

大数理论  
Vol.3 大数数学常用表

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我的命题应当是以如下方式来起阐明作用的：任何理解我的人，当他以这些命题为梯级而超越了它们时，就会终于认识到它们是无意义的。可以说，在登上高处之后，他必须将梯子扔掉。

他必须超越这些命题，然后他就会正确地看待世界。

—— Wittgenstein



# 前言

本讲义讨论有关于大自然数的数学理论。这一分支的英文名为 Googology，意为“研究 Googol(即  $10^{100}$ ，泛指各种大数) 的理论”，中文通常译作“大数数学”或“大数学”。大数数学的目标是尽可能地表示出更大的自然数，或者更恰当地说，发明一些更好的表示法，使得能够在有限的代价之内表示出更大的自然数。

大数数学与集合论的关系非常密切。这是因为大数记号总可以被视为一个数列，而我们又可以以一种恰当的方式将大数数列的增长率与集合中的序数对应起来。这样，研究大数的问题就转化为了研究快速增长的数列的问题，进而转化为了集合论中的大序数问题，这一研究范式一直主宰着大数领域的研究至今。

尽管人类对数的认识已经持续了几千年之久，但是大数数学作为一个独立分支的发展仅仅不过几十年的时间。从这一点上说，大数数学仍然是一个不成熟的分支。目前来看，大数数学的基础并不牢靠，其中仍然存在着大量悬而未决的开放问题，大数表示法也还远远没有达到可能的极限。并且这一领域长期以来并未得到数学界的重视，专业数学家在此之上的工作进展不多。（序数分析领域与大数数学有一些共同的目标，但是二者的研究方法很不相同，并且至今仍然缺乏交流。）但与之相对应的是，随着互联网的发展，大数问题吸引了大量业余数学爱好者的兴趣，并逐渐形成了一个非正式的数学社群和亚文化群体，大量关于此领域的进展以非正式的形式发表在了互联网上。在这一社群的推动下，人们对大数数学的认识正变得越来越深刻。

长期以来，关于大数数学的进展少有发表于正式的学术期刊，而是散见于网络的各处，并且鱼龙混杂、良莠不齐。这既不利于查阅，又有碍于大数数学的进一步发展。在大数社群中，许多人对于大数数学仍然仅仅具有非常模糊的认识。他们迫切需要一份合适的参考资料，以帮助他们进一步加深对于大数数学的理解。目前海内外尚缺乏关于大数数学的正式参考书，也不多见系统性地介绍大数数学的文章。因此，编写一份关于大数数学的讲义，不仅仅是必要的，而且也是有意义的。

本讲义深入浅出地介绍了大数数学的主要内容，并系统性地介绍了近年来的一些重要进展。由于篇幅过长，目前《大数理论》已经拆分成了四卷本，其中第一卷包含从绪论到不可定义数的内容，第二卷包含大数相关专题，第三卷包含大数数学常用表，第四卷是一些零散的资料。其中第一卷是整个大数数学最核心的内容，后三卷可以根据需要进行查阅。在编写时，作者力求使得第一部分讲解详细，逻辑清楚，适于读者全面地了解大数数学相关的内容。第二卷、第三卷以及第四卷则力求尽可能全面地包含大数数学发展至今有价值的结果，同时包含了大量的分析细节，方便读者查阅。

接下来我们分别介绍四卷本所包含的内容。

第一卷中包含大数数学中最为重要的内容，同时它也构成了大数数学发展的一条主线。在“绪论”一章中，我们简要地介绍了大数领域的研究内容、历史以及意义。在“初等递归记号”一章中，我们介绍了经典的大数记号，并引入了递归的思想，这些运算超越了指数塔

的层次，真正进入到了大数的世界之中。为了系统性地研究大数记号的增长率，我们在“增长率”一章中引入了将大数函数与序数对应起来的方法，这样就可以通过对序数的研究来理解大数函数。

既然已经将大数函数与序数对应起来，那么接下来就可以专心于序数本身的研究。若我们考虑的是可计算函数（递归函数），则只需讨论递归序数。在“序数不动点”一章的研究之中，我们考察了序数映射的不动点，并利用 Veblen 函数对不动点进行了枚举。在“序数折叠函数（一）”一章之中，我们考虑了一种将非递归序数映射为更大的递归序数的方法，这实际上类似于增长层次中将递归序数映射为自然数的方法。利用这种方法，我们就可以得到更大的递归序数，进而得到更大的自然数。而在“大数相关问题（一）”一章之中，我们介绍了从其他数学问题之中涌现出的大数，并介绍序数在这些问题之中的应用。

由于序数折叠函数给出了从非递归序数到递归序数的映射，因此要想得到更大的递归序数，我们需要讨论更大的非递归序数。作为铺垫，在“集合论”一章中我们更严格地介绍了公理化集合体系，而在“形式逻辑”一章之中我们简要地介绍了形式逻辑的相关知识。接下来我们在“反射序数”、“稳定序数”两章之中介绍了利用集合论中的反射序数与稳定序数构建大的非递归序数的方法。尽管投影序数并未完全良定义，但是我们期望它可以形式地表示出一些更大的序数，我们在“投影序数”一章中介绍了相关内容。

除了利用序数折叠函数将非递归序数折叠为大的递归序数，我们也可以直接利用递归的方式来构建大的递归序数。通过对初等序列进行多行推广和阶差推广，我们得到了 Bashicu 矩阵与 Y 序列。它们是目前最强大的成熟递归记号体系，我们在“Bashicu 矩阵”与“Y 序列”两章中对其进行了介绍。同时我们也在这两章之中介绍了它们的一些推广。

证明论之中给出了更大的证明论序数，它与公理系统的强度密切相关，我们在“证明论序数”一章中对此给出了简要的介绍。在 ZFC 集合论中添加大基数公理可以得到更强大的公理体系，我们在“大基数（一）/（二）”两章中对此进行了介绍，它们可供对集合论与大基数理论感兴趣的读者参考。在“大数相关问题（二）”一章之中，我们介绍了一些证明论序数级别的大数。

在“可计算性理论”中，我们介绍了可计算性理论的相关内容。紧接着在“不可计算数”一章之中，我们考察了一系列非递归函数，它们的增长率超越了一切的递归函数。在“不可定义数”一章之中，我们讨论了以 Rayo 函数为代表的不可定义数，这是目前最为强大的大数记号。在所有的大数增长率之上，是第一个不可数序数  $\omega_1$ ，它是整个大数数学真正的终点。

第二卷涉及到大数数学之中的一些其他问题，它们是对大数数学发展主线的补充。长期以来大数数学严格化的发展一直不充分，“严格化工作”一部分是对迄今为止严格化尝试的收集。在“良序性证明”一章之中，我们给出了迄今为止的一些记号良序性（停机性）证明的结果，同时介绍了日本研究者的“变换映射”理论。在“形式化大数数学”一章之中，我们介绍了利用形式化证明语言编码大递归序数体系的尝试。在“序数折叠函数（二）”一章之中，我们介绍了在序数分析领域中发展的序数折叠函数，这些函数具有较为严格的集合论背景。在“大数相关问题（三）”一章之中，我们介绍了一些大数相关问题上界和下界的严格证明结果。

“历史记号”一部分介绍了曾经在大数数学发展历史之中起到了重要作用、但是现如今却被淘汰的记号体系。在“初等递归记号（二）”一章之中，我们介绍了大数数学发展早期的一些弱小的初等记号。“E# 记号”、“BEAF 数阵”和“Bird 数阵”是大数数学发展早期最为重要的三大记号，我们在对应的三个章节中介绍了其规则以及扩展。“美元记号”一章介

绍了美元记号的规则。“强数阵”一章介绍了 HypCos 提出的含有 dropping 结构的数阵记号。“Aarex 超强数阵”一章介绍了 Aarex 提出的数阵记号。“Username’s OCF”一章介绍了 Username’s OCF，它是大数数学领域不严格的反射 OCF 的早期尝试。“Taranovski 序数记号”一章介绍了 Taranovski 序数记号，它是大数数学发展中期的一个重要序数记号。“超越 Rayo 数的记号”介绍了大数数学中一些不良定义的超越 Rayo 数的尝试。

“大数数学专题”一部分收集了一系列大数数学相关的话题。“解析与层次”一章收录了与增长层次相关的一系列零散结果。“Worm 型记号行为”一章收录了与 Worm 型记号相关的一系列大型分析结果。“游戏与大数”一章收录了一部分与游戏相关的结果。“集合论名词”一章收录了一部分集合论中的名词解释。

“记号前沿”一部分收录了迄今为止记号构造领域的前沿结果。“更高的非递归序数”一章收录了目前对于非递归序数结构的前沿探索。“序列性记号扩展”收录了在 Worm 型记号体系之内扩展的一些尝试。“传递型记号”收录了在传递理论的指导下，一些超越 Worm 型记号的尝试。“其他记号”收录了一些脱离目前大数数学研究主线的尝试。

第三卷系统性地总结了大数数学的常见结果，并汇编成表，供读者查阅。附录“递归序数表”从小到大列举了一系列重要的递归序数节点，并给出了不同主流记号之间的对应关系。附录“重要大数记号和序数记号”按照从小到大的顺序列举了一系列重要的记号及其极限。附录“可数非递归序数表”从小到大列举了一系列重要的非递归序数节点。附录“证明论序数表”列举了一系列公理体系的证明论序数。附录“有名字的序数”列举了一系列重要序数的名字以及取值。附录“大基数表”列举了一系列大基数。附录“不同时期记号排名”列举了不同时期中最强大的一系列大数记号和序数记号的排名。附录“直接引用或者翻译的文献”列举了讲义中直接引用或者翻译的资料。

第四卷中包含了一些过于冗长的零散材料。附录“习题”提供了一部分大数数学相关的习题并配有答案，供读者参考。附录“大数相关程序”列举了大数数学领域以及一些相应的结果。附录“有名字的大数”列举了一些有名字的大数。附录“大型分析”列举了一些过于冗长的分析结果。

本讲义的篇幅较长，包含了许多不同的内容。其中第一卷的内容相对重要且成体系，后三卷的内容可以按需要进行查阅。而即使是第一卷，对于初学者来说，许多内容也是不需要完全掌握的。如果只是希望对大数数学有初步的了解，则可以只阅读讲义的第一部分，它介绍了大数数学的基本问题和研究范式。如果希望了解一些更深入的细节，则可以继续阅读讲义的第二部分。如果希望进入大数数学的前沿领域，则需要进一步阅读讲义的第三和第四部分。作者认为以讲义的第一、二部分作为该领域的导引材料，以讲义的第三、四部分作为该领域的进阶材料应当是合适的。后续的所有内容都不是必需的，它们可以在对大数数学有足够深的了解之后按需要进行查阅。在第一卷中，有一些章节中的内容已经在目录中用 \* 标记，初读时可以略去。

大数数学是一个神奇的领域，它简单到牙牙学语的孩童都能够理解，但是解决这一问题却又需要用到一些最为前沿和艰深的数学方法。正是因为如此，大数领域吸引了一代又一代的数学爱好者献身其中，并为拓展人类对于大数的认识而不懈奋斗。

作者感谢与大数社群中众多研究者进行的讨论。没有与他们的交流，本讲义是不可能完成的。作者从已有的资料之中摘引了大量的分析与论述，在这些部分之中蕴含的闪光思想应当归功于这些作者。许多大数数学的研究者阅读了讲义的初稿，指出了讲义中的许多错误，并提出了宝贵的修改意见。作者尽可能详尽地列出了所引用的参考文献，在附录中也对直接引用和翻译的文献进行了更详细的说明。但难免挂一漏万，如有遗漏敬请读者谅解。

自讲义的初版发布以来，作者已数易其稿。借助于互联网的开放性，作者得以随时修正已发现的错误，删去不恰当的表述，补充大量的细节，以及介绍最新的进展。本讲义的最新版本可前往如下的网站获得。

<https://github.com/ZhiqiuCao/Googology>

到目前为止，讲义中的部分推导仍然并不严格，部分陈述仍然并不审慎，因此还有许多地方需要进一步打磨。讲义中可能还存在着诸多错误，仍然需要进行更认真的推导和校对。除此之外，讲义中还存在着有一部分相当不成熟的讨论，这仍然有待于时间的进一步检验与沉淀。讲义中许多结果引自其他大数数学研究者的分析，这些分析常常是不够严格的，其中有可能存在一些错误。但尽管如此，在引用这些内容时，作者对其中的大多数结果并未进行仔细的检查，因此出现这些错误的责任全在于作者。由于作者水平所限，讲义中的疏漏谬误之处在所难免，敬请各位读者批评指正<sup>1</sup>。希望本讲义能够带领读者走进大数的神奇世界。

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<sup>1</sup>作者的邮箱为：2401376019@qq.com。



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# 附录 A 递归序数表

本附录的结果主要引自<sup>[1-3]</sup>。在本附录之中，我们采用对各个重要记号进行比较的方式来分析递归序数的结构，各节的范围可能有一定的重复。本附录的结果更新至 2025 年。

## A.1 自然数

自然数当然也是递归序数的一部分。对自然数的列表在大数数学发展的早期几乎是整个大数界最重要的工作之一，但是现在它已经不重要了，人们现在只关注几个最重要的大数。因此本表将只述及最简单的一些结果。更加完整的列表可以参考<sup>[4-5]</sup>，以及附录“有名字的大数”。

自然数	名字
1	一
2	二
3	三
4	四
5	五
6	六
7	七
8	八
9	九
10	十
20	二十
50	五十
100	一百
1000	一千
$10^4$	一万

自然数	名字
$10^5$	十万
$10^{10}$	百亿
$2^{64} - 1$	Archimedes 大数
$6.02 \times 10^{23}$	Avogadro 常数
$10^{100}$	Googol
$10^{7 \times 2^{122}}$	不可说不可说转
$10^{10^{100}}$	Googolplex
$e^{e^{e^{79}}}$	第一 Skewes 数
$10^{10^{10^{10^2}}}$	Poincaré 回归时间
$e^{e^{e^{e^{7.705}}}}$	第二 Skewes 数
$10 \uparrow^2 10$	
$3 \uparrow^3 3$	tritri
$G(1) = 3 \uparrow^4 3$	
$G(64)$	Graham 数
$TREE(3)$	
$SSCG(13)$	
$D^5(99)$	Loader 数
$\Sigma(1919)$	
$\Xi(10^6)$	
$Rayo(10^{100})$	Rayo 数

## A.2 Cantor 式 vs PrSS

本节的结果主要引自<sup>[1]</sup>。

Cantor 式	PrSS
$\omega$	$(0, 1)$
$\omega + 1$	$(0, 1, 0)$

Cantor 式	PrSS
$\omega + 2$	$(0, 1, 0, 0)$
$\omega + 5$	$(0, 1, 0, 0, 0, 0, 0)$
$\omega \cdot 2$	$(0, 1, 0, 1)$
$\omega \cdot 2 + 1$	$(0, 1, 0, 1, 0)$
$\omega \cdot 3$	$(0, 1, 0, 1, 0, 1)$
$\omega^2$	$(0, 1, 1)$
$\omega^2 + 1$	$(0, 1, 1, 0)$
$\omega^2 + 2$	$(0, 1, 1, 0, 0)$
$\omega^2 + \omega$	$(0, 1, 1, 0, 1)$
$\omega^2 + \omega + 1$	$(0, 1, 1, 0, 1, 0)$
$\omega^2 + \omega \cdot 2$	$(0, 1, 1, 0, 1, 0, 1)$
$\omega^2 \cdot 2$	$(0, 1, 1, 0, 1, 1)$
$\omega^2 \cdot 2 + \omega$	$(0, 1, 1, 0, 1, 1, 0, 1)$
$\omega^2 \cdot 3$	$(0, 1, 1, 0, 1, 1, 0, 1, 1)$
$\omega^3$	$(0, 1, 1, 1)$
$\omega^3 + 1$	$(0, 1, 1, 1, 0)$
$\omega^3 + \omega$	$(0, 1, 1, 1, 0, 1)$
$\omega^3 + \omega^2$	$(0, 1, 1, 1, 0, 1, 1)$
$\omega^3 \cdot 2$	$(0, 1, 1, 1, 0, 1, 1, 1)$
$\omega^3 \cdot 3$	$(0, 1, 1, 1, 0, 1, 1, 1, 0, 1, 1, 1)$
$\omega^4$	$(0, 1, 1, 1, 1)$
$\omega^4 \cdot 2$	$(0, 1, 1, 1, 1, 0, 1, 1, 1, 1)$
$\omega^5$	$(0, 1, 1, 1, 1, 1)$
$\omega^\omega$	$(0, 1, 2)$
$\omega^\omega + 1$	$(0, 1, 2, 0)$
$\omega^\omega + 2$	$(0, 1, 2, 0, 0)$

Cantor 式	PrSS
$\omega^\omega + \omega$	(0, 1, 2, 0, 1)
$\omega^\omega + \omega \cdot 2$	(0, 1, 2, 0, 1, 0, 1)
$\omega^\omega + \omega^2$	(0, 1, 2, 0, 1, 1)
$\omega^\omega + \omega^3$	(0, 1, 2, 0, 1, 1, 1)
$\omega^\omega \cdot 2$	(0, 1, 2, 0, 1, 2)
$\omega^\omega \cdot 3$	(0, 1, 2, 0, 1, 2, 0, 1, 2)
$\omega^{\omega+1}$	(0, 1, 2, 1)
$\omega^{\omega+1} + 1$	(0, 1, 2, 1, 0)
$\omega^{\omega+1} + \omega$	(0, 1, 2, 1, 0, 1)
$\omega^{\omega+1} + \omega^2$	(0, 1, 2, 1, 0, 1, 1)
$\omega^{\omega+1} + \omega^3$	(0, 1, 2, 1, 0, 1, 1, 1)
$\omega^{\omega+1} + \omega^\omega$	(0, 1, 2, 1, 0, 1, 2)
$\omega^{\omega+1} + \omega^\omega \cdot 2$	(0, 1, 2, 1, 0, 1, 2, 0, 1, 2)
$\omega^{\omega+1} \cdot 2$	(0, 1, 2, 1, 0, 1, 2, 1)
$\omega^{\omega+1} \cdot 3$	(0, 1, 2, 1, 0, 1, 2, 1, 0, 1, 2, 1)
$\omega^{\omega+2}$	(0, 1, 2, 1, 1)
$\omega^{\omega+2} + \omega^\omega$	(0, 1, 2, 1, 1, 0, 1, 2)
$\omega^{\omega+2} + \omega^{\omega+1}$	(0, 1, 2, 1, 1, 0, 1, 2, 1)
$\omega^{\omega+3}$	(0, 1, 2, 1, 1, 1)
$\omega^{\omega+4}$	(0, 1, 2, 1, 1, 1)
$\omega^{\omega \cdot 2}$	(0, 1, 2, 1, 2)
$\omega^{\omega \cdot 2} + \omega$	(0, 1, 2, 1, 2, 0, 1)
$\omega^{\omega \cdot 2} + \omega^\omega$	(0, 1, 2, 1, 2, 0, 1, 2)
$\omega^{\omega \cdot 2} + \omega^{\omega+1}$	(0, 1, 2, 1, 2, 0, 1, 2, 1)
$\omega^{\omega \cdot 2} + \omega^{\omega+2}$	(0, 1, 2, 1, 2, 0, 1, 2, 1, 1)
$\omega^{\omega \cdot 2} \cdot 2$	(0, 1, 2, 1, 2, 0, 1, 2, 1, 2)



Cantor 式	PrSS
$\omega^{\omega \cdot 2 + 1}$	(0, 1, 2, 1, 2, 1)
$\omega^{\omega \cdot 2 + 1} \cdot 2$	(0, 1, 2, 1, 2, 1, 0, 1, 2, 1, 2, 1)
$\omega^{\omega \cdot 2 + 2}$	(0, 1, 2, 1, 2, 1, 1)
$\omega^{\omega \cdot 2 + 3}$	(0, 1, 2, 1, 2, 1, 1, 1)
$\omega^{\omega \cdot 3}$	(0, 1, 2, 1, 2, 1, 2)
$\omega^{\omega \cdot 3 + 1}$	(0, 1, 2, 1, 2, 1, 2, 1)
$\omega^{\omega \cdot 4}$	(0, 1, 2, 1, 2, 1, 2, 1, 2)
$\omega^{\omega^2}$	(0, 1, 2, 2)
$\omega^{\omega^2} \cdot 2$	(0, 1, 2, 2, 0, 1, 2, 2)
$\omega^{\omega^2 + 1}$	(0, 1, 2, 2, 1)
$\omega^{\omega^2 + 2}$	(0, 1, 2, 2, 1, 1)
$\omega^{\omega^2 + \omega}$	(0, 1, 2, 2, 1, 2)
$\omega^{\omega^2 + \omega + 1}$	(0, 1, 2, 2, 1, 2, 1)
$\omega^{\omega^2 + \omega \cdot 2}$	(0, 1, 2, 2, 1, 2, 1, 2)
$\omega^{\omega^2 + \omega \cdot 3}$	(0, 1, 2, 2, 1, 2, 1, 2, 1, 2)
$\omega^{\omega^2 \cdot 2}$	(0, 1, 2, 2, 1, 2, 2)
$\omega^{\omega^2 \cdot 3}$	(0, 1, 2, 2, 1, 2, 2, 1, 2, 2)
$\omega^{\omega^3}$	(0, 1, 2, 2, 2)
$\omega^{\omega^3 + 1}$	(0, 1, 2, 2, 2, 1)
$\omega^{\omega^3 + \omega}$	(0, 1, 2, 2, 2, 1, 2)
$\omega^{\omega^3 + \omega^2}$	(0, 1, 2, 2, 2, 1, 2, 2)
$\omega^{\omega^3 \cdot 2}$	(0, 1, 2, 2, 2, 1, 2, 2, 2)
$\omega^{\omega^4}$	(0, 1, 2, 2, 2, 2)
$\omega^{\omega^4 \cdot 2}$	(0, 1, 2, 2, 2, 2, 1, 2, 2, 2, 2)
$\omega^{\omega^5}$	(0, 1, 2, 2, 2, 2, 2)
$\omega^{\omega^\omega}$	(0, 1, 2, 3)

Cantor 式	PrSS
$\omega^{\omega^{\omega}} + \omega$	(0, 1, 2, 3, 0, 1)
$\omega^{\omega^{\omega}} + \omega^{\omega}$	(0, 1, 2, 3, 0, 1, 2)
$\omega^{\omega^{\omega}} \cdot 2$	(0, 1, 2, 3, 0, 1, 2, 3)
$\omega^{\omega^{\omega}+1}$	(0, 1, 2, 3, 1)
$\omega^{\omega^{\omega}+\omega}$	(0, 1, 2, 3, 1, 2)
$\omega^{\omega^{\omega} \cdot 2}$	(0, 1, 2, 3, 1, 2, 3)
$\omega^{\omega^{\omega+1}}$	(0, 1, 2, 3, 2)
$\omega^{\omega^{\omega \cdot 2}}$	(0, 1, 2, 3, 2, 3)
$\omega^{\omega^{\omega^2}}$	(0, 1, 2, 3, 3)
$\omega^{\omega^{\omega^{\omega}}}$	(0, 1, 2, 3, 4)
$\omega^{\omega^{\omega^{\omega}}} + 1$	(0, 1, 2, 3, 4, 0)
$\omega^{\omega^{\omega^{\omega}}} + 1$	(0, 1, 2, 3, 4, 1)
$\omega^{\omega^{\omega^{\omega}+1}}$	(0, 1, 2, 3, 4, 2)
$\omega^{\omega^{\omega^{\omega+1}}}$	(0, 1, 2, 3, 4, 3)
$\omega^{\omega^{\omega^{\omega^2}}}$	(0, 1, 2, 3, 4, 4)
$\omega^{\omega^{\omega^{\omega^{\omega}}}}$	(0, 1, 2, 3, 4, 5)
$\varepsilon_0 = \omega^{\omega^{\cdots}}$	(0, 1, 2, 3, ...)

### A.3 Veblen 函数 vs Cantor 式

Veblen 函数	Cantor 式
$\varphi(1)$	$\omega$
$\varphi(1) + 1$	$\omega + 1$
$\varphi(1) + 2$	$\omega + 2$
$\varphi(1) \cdot 2$	$\omega \cdot 2$
$\varphi(1) \cdot 2 + 1$	$\omega \cdot 2 + 1$
$\varphi(1) \cdot 3$	$\omega \cdot 3$

Veblen 函数	Cantor 式
$\varphi(2)$	$\omega^2$
$\varphi(2) + 1$	$\omega^2 + 1$
$\varphi(2) + 2$	$\omega^2 + 2$
$\varphi(2) + \varphi(1)$	$\omega^2 + \omega$
$\varphi(2) + \varphi(1) + 1$	$\omega^2 + \omega + 1$
$\varphi(2) + \varphi(1) \cdot 2$	$\omega^2 + \omega \cdot 2$
$\varphi(2) \cdot 2$	$\omega^2 \cdot 2$
$\varphi(2) \cdot 2 + \varphi(1)$	$\omega^2 \cdot 2 + \omega$
$\varphi(2) \cdot 3$	$\omega^2 \cdot 3$
$\varphi(3)$	$\omega^3$
$\varphi(3) + 1$	$\omega^3 + 1$
$\varphi(3) + \varphi(1)$	$\omega^3 + \omega$
$\varphi(3) + \varphi(2)$	$\omega^3 + \omega^2$
$\varphi(3) \cdot 2$	$\omega^3 \cdot 2$
$\varphi(3) \cdot 3$	$\omega^3 \cdot 3$
$\varphi(4)$	$\omega^4$
$\varphi(4) \cdot 2$	$\omega^4 \cdot 2$
$\varphi(5)$	$\omega^5$
$\varphi(\varphi(1))$	$\omega^\omega$
$\varphi(\varphi(1)) + 1$	$\omega^\omega + 1$
$\varphi(\varphi(1)) + 2$	$\omega^\omega + 2$
$\varphi(\varphi(1)) + \varphi(1)$	$\omega^\omega + \omega$
$\varphi(\varphi(1)) + \varphi(1) \cdot 2$	$\omega^\omega + \omega \cdot 2$
$\varphi(\varphi(1)) + \varphi(2)$	$\omega^\omega + \omega^2$
$\varphi(\varphi(1)) + \varphi(3)$	$\omega^\omega + \omega^3$
$\varphi(\varphi(1)) \cdot 2$	$\omega^\omega \cdot 2$

Veblen 函数	Cantor 式
$\varphi(\varphi(1)) \cdot 3$	$\omega^\omega \cdot 3$
$\varphi(\varphi(1) + 1)$	$\omega^{\omega+1}$
$\varphi(\varphi(1) + 1) + 1$	$\omega^{\omega+1} + 1$
$\varphi(\varphi(1) + 1) + \varphi(1)$	$\omega^{\omega+1} + \omega$
$\varphi(\varphi(1) + 1) + \varphi(2)$	$\omega^{\omega+1} + \omega^2$
$\varphi(\varphi(1) + 1) + \varphi(3)$	$\omega^{\omega+1} + \omega^3$
$\varphi(\varphi(1) + 1) + \varphi(\varphi(1))$	$\omega^{\omega+1} + \omega^\omega$
$\varphi(\varphi(1) + 1) + \varphi(\varphi(1)) \cdot 2$	$\omega^{\omega+1} + \omega^\omega \cdot 2$
$\varphi(\varphi(1) + 1) \cdot 2$	$\omega^{\omega+1} \cdot 2$
$\varphi(\varphi(1) + 1) \cdot 3$	$\omega^{\omega+1} \cdot 3$
$\varphi(\varphi(1) + 2)$	$\omega^{\omega+2}$
$\varphi(\varphi(1) + 2) + \varphi(\varphi(1))$	$\omega^{\omega+2} + \omega^\omega$
$\varphi(\varphi(1) + 2) + \varphi(\varphi(1) + 1)$	$\omega^{\omega+2} + \omega^{\omega+1}$
$\varphi(\varphi(1) + 3)$	$\omega^{\omega+3}$
$\varphi(\varphi(1) + 4)$	$\omega^{\omega+4}$
$\varphi(\varphi(1) \cdot 2)$	$\omega^{\omega \cdot 2}$
$\varphi(\varphi(1) \cdot 2) + \varphi(1)$	$\omega^{\omega \cdot 2} + \omega$
$\varphi(\varphi(1) \cdot 2) + \varphi(\varphi(1))$	$\omega^{\omega \cdot 2} + \omega^\omega$
$\varphi(\varphi(1) \cdot 2) + \varphi(\varphi(1) + 1)$	$\omega^{\omega \cdot 2} + \omega^{\omega+1}$
$\varphi(\varphi(1) \cdot 2) + \varphi(\varphi(1) + 2)$	$\omega^{\omega \cdot 2} + \omega^{\omega+2}$
$\varphi(\varphi(1) \cdot 2) \cdot 2$	$\omega^{\omega \cdot 2} \cdot 2$
$\varphi(\varphi(1) \cdot 2 + 1)$	$\omega^{\omega \cdot 2+1}$
$\varphi(\varphi(1) \cdot 2 + 1) \cdot 2$	$\omega^{\omega \cdot 2+1} \cdot 2$
$\varphi(\varphi(1) \cdot 2 + 2)$	$\omega^{\omega \cdot 2+2}$
$\varphi(\varphi(1) \cdot 2 + 3)$	$\omega^{\omega \cdot 2+3}$
$\varphi(\varphi(1) \cdot 3)$	$\omega^{\omega \cdot 3}$

Veblen 函数	Cantor 式
$\varphi(\varphi(1) \cdot 3 + 1)$	$\omega^{\omega \cdot 3 + 1}$
$\varphi(\varphi(1) \cdot 4)$	$\omega^{\omega \cdot 4}$
$\varphi(\varphi(2))$	$\omega^{\omega^2}$
$\varphi(\varphi(2)) \cdot 2$	$\omega^{\omega^2} \cdot 2$
$\varphi(\varphi(2) + 1)$	$\omega^{\omega^2 + 1}$
$\varphi(\varphi(2) + 2)$	$\omega^{\omega^2 + 2}$
$\varphi(\varphi(2) + \varphi(1))$	$\omega^{\omega^2 + \omega}$
$\varphi(\varphi(2) + \varphi(1) + 1)$	$\omega^{\omega^2 + \omega + 1}$
$\varphi(\varphi(2) + \varphi(1) \cdot 2)$	$\omega^{\omega^2 + \omega \cdot 2}$
$\varphi(\varphi(2) + \varphi(1) \cdot 3)$	$\omega^{\omega^2 + \omega \cdot 3}$
$\varphi(\varphi(2) \cdot 2)$	$\omega^{\omega^2 \cdot 2}$
$\varphi(\varphi(2) \cdot 3)$	$\omega^{\omega^2 \cdot 3}$
$\varphi(\varphi(3))$	$\omega^{\omega^3}$
$\varphi(\varphi(3) + 1)$	$\omega^{\omega^3 + 1}$
$\varphi(\varphi(3) + \varphi(1))$	$\omega^{\omega^3 + \omega}$
$\varphi(\varphi(3) + \varphi(2))$	$\omega^{\omega^3 + \omega^2}$
$\varphi(\varphi(3) \cdot 2)$	$\omega^{\omega^3 \cdot 2}$
$\varphi(\varphi(4))$	$\omega^{\omega^4}$
$\varphi(\varphi(4) \cdot 2)$	$\omega^{\omega^4 \cdot 2}$
$\varphi(\varphi(5))$	$\omega^{\omega^5}$
$\varphi(\varphi(\varphi(1)))$	$\omega^{\omega^\omega}$
$\varphi(\varphi(\varphi(1))) + \varphi(1)$	$\omega^{\omega^\omega} + \omega$
$\varphi(\varphi(\varphi(1))) + \varphi(\varphi(1))$	$\omega^{\omega^\omega} + \omega^\omega$
$\varphi(\varphi(\varphi(1))) \cdot 2$	$\omega^{\omega^\omega} \cdot 2$
$\varphi(\varphi(\varphi(1)) + 1)$	$\omega^{\omega^\omega + 1}$
$\varphi(\varphi(\varphi(1)) + \varphi(1))$	$\omega^{\omega^\omega + \omega}$

Veblen 函数	Cantor 式
$\varphi(\varphi(\varphi(1)) \cdot 2)$	$\omega^{\omega^\omega \cdot 2}$
$\varphi(\varphi(\varphi(1) + 1))$	$\omega^{\omega^{\omega+1}}$
$\varphi(\varphi(\varphi(1) \cdot 2))$	$\omega^{\omega^\omega \cdot 2}$
$\varphi(\varphi(\varphi(2)))$	$\omega^{\omega^{\omega^2}}$
$\varphi(\varphi(\varphi(\varphi(1))))$	$\omega^{\omega^{\omega^\omega}}$
$\varphi(\varphi(\varphi(\varphi(1)))) + 1$	$\omega^{\omega^{\omega^\omega}} + 1$
$\varphi(\varphi(\varphi(\varphi(1))) + 1)$	$\omega^{\omega^{\omega^\omega} + 1}$
$\varphi(\varphi(\varphi(\varphi(1)) + 1))$	$\omega^{\omega^{\omega^\omega + 1}}$
$\varphi(\varphi(\varphi(\varphi(1) + 1)))$	$\omega^{\omega^{\omega^{\omega+1}}}$
$\varphi(\varphi(\varphi(\varphi(2))))$	$\omega^{\omega^{\omega^{\omega^2}}}$
$\varphi(\varphi(\varphi(\varphi(\varphi(1))))$	$\omega^{\omega^{\omega^{\omega^\omega}}}$
$\varphi(1, 0)$	$\varepsilon_0$
$\varphi(1, 0) + 1$	$\varepsilon_0 + 1$
$\varphi(1, 0) + \varphi(1)$	$\varepsilon_0 + \omega$
$\varphi(1, 0) + \varphi(\varphi(1))$	$\varepsilon_0 + \omega^\omega$
$\varphi(1, 0) + \varphi(\varphi(\varphi(1)))$	$\varepsilon_0 + \omega^{\omega^\omega}$
$\varphi(1, 0) \cdot 2$	$\varepsilon_0 \cdot 2$
$\varphi(1, 0) \cdot 3$	$\varepsilon_0 \cdot 3$
$\varphi(\varphi(1, 0) + 1)$	$\varepsilon_0 \cdot \omega$ $\omega^{\varepsilon_0+1}$
$\varphi(\varphi(1, 0) + 1) + \varphi(1)$	$\varepsilon_0 \cdot \omega + \omega$ $\omega^{\varepsilon_0+1} + \omega$
$\varphi(\varphi(1, 0) + 1) + \varphi(\varphi(1))$	$\varepsilon_0 \cdot \omega + \omega^\omega$ $\omega^{\varepsilon_0+1} + \omega^\omega$
$\varphi(\varphi(1, 0) + 1) \cdot 2$	$\varepsilon_0 \cdot \omega \cdot 2$ $\omega^{\varepsilon_0+1} \cdot 2$
$\varphi(\varphi(1, 0) + 2)$	$\varepsilon_0 \cdot \omega^2$ $\omega^{\varepsilon_0+2}$
$\varphi(\varphi(1, 0) + 2) \cdot 2$	$\varepsilon_0 \cdot \omega^2 \cdot 2$ $\omega^{\varepsilon_0+2} \cdot 2$

Veblen 函数	Cantor 式
$\varphi(\varphi(1, 0) + 3)$	$\varepsilon_0 \cdot \omega^3$ $\omega^{\varepsilon_0+3}$
$\varphi(\varphi(1, 0) + \varphi(1))$	$\varepsilon_0 \cdot \omega^\omega$ $\omega^{\varepsilon_0+\omega}$
$\varphi(\varphi(1, 0) + \varphi(2))$	$\varepsilon_0 \cdot \omega^{\omega^2}$ $\omega^{\varepsilon_0+\omega^2}$
$\varphi(\varphi(1, 0) + \varphi(\varphi(1)))$	$\varepsilon_0 \cdot \omega^{\omega^\omega}$ $\omega^{\varepsilon_0+\omega^\omega}$
$\varphi(\varphi(1, 0) \cdot 2)$	$\varepsilon_0^2$ $\omega^{\varepsilon_0 \cdot 2}$
$\varphi(\varphi(1, 0) \cdot 2) + \varphi(1)$	$\varepsilon_0^2 + \omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega$
$\varphi(\varphi(1, 0) \cdot 2) + \varphi(\varphi(1))$	$\varepsilon_0^2 + \omega^\omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega^\omega$
$\varphi(\varphi(1, 0) \cdot 2) + \varphi(1, 0)$	$\varepsilon_0^2 + \varepsilon_0$ $\omega^{\varepsilon_0 \cdot 2} + \varepsilon_0$
$\varphi(\varphi(1, 0) \cdot 2) + \varphi(\varphi(1, 0) + 1)$	$\varepsilon_0^2 + \varepsilon_0 \cdot \omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega^{\varepsilon_0+1}$
$\varphi(\varphi(1, 0) \cdot 2) \cdot 2$	$\varepsilon_0^2 \cdot 2$ $\omega^{\varepsilon_0 \cdot 2} \cdot 2$
$\varphi(\varphi(1, 0) \cdot 2 + 1)$	$\varepsilon_0^2 \cdot \omega$ $\omega^{\varepsilon_0 \cdot 2+1}$
$\varphi(\varphi(1, 0) \cdot 2 + \varepsilon(1))$	$\varepsilon_0^2 \cdot \omega^\omega$ $\omega^{\varepsilon_0 \cdot 2+\omega}$
$\varphi(\varphi(1, 0) \cdot 3)$	$\varepsilon_0^3$ $\omega^{\varepsilon_0 \cdot 3}$
$\varphi(\varphi(1, 0) \cdot 4)$	$\varepsilon_0^4$ $\omega^{\varepsilon_0 \cdot 4}$
$\varphi(\varphi(\varphi(1, 0) + 1))$	$\varepsilon_0^\omega$ $\omega^{\omega^{\varepsilon_0+1}}$
$\varphi(\varphi(\varphi(1, 0) + 1)) \cdot 2$	$\varepsilon_0^\omega \cdot 2$ $\omega^{\omega^{\varepsilon_0+1}} \cdot 2$
$\varphi(\varphi(\varphi(1, 0) + 1) + 1)$	$\varepsilon_0^\omega \cdot \omega$ $\omega^{\omega^{\varepsilon_0+1}+1}$
$\varphi(\varphi(\varphi(1, 0) + 1) + \varphi(1))$	$\varepsilon_0^\omega \cdot \omega^\omega$ $\omega^{\omega^{\varepsilon_0+1}+\omega}$

Veblen 函数	Cantor 式
$\varphi(\varphi(\varphi(1, 0) + 1) + \varphi(1, 0))$	$\varepsilon_0^{\omega+1}$ $\omega^{\omega^{\varepsilon_0+1}+\varepsilon_0}$
$\varphi(\varphi(\varphi(1, 0) + 1) + \varphi(1, 0) \cdot 2)$	$\varepsilon_0^{\omega+2}$ $\omega^{\omega^{\varepsilon_0+1}+\varepsilon_0 \cdot 2}$
$\varphi(\varphi(\varphi(1, 0) + 1) \cdot 2)$	$\varepsilon_0^{\omega \cdot 2}$ $\omega^{\omega^{\varepsilon_0+1} \cdot 2}$
$\varphi(\varphi(\varphi(1, 0) + 2))$	$\varepsilon_0^{\omega^2}$ $\omega^{\omega^{\varepsilon_0+2}}$
$\varphi(\varphi(\varphi(1, 0) + \varphi(1)))$	$\omega^{\omega^{\varepsilon_0+\omega}}$
$\varphi(\varphi(\varphi(1, 0) + \varphi(\varphi(1))))$	$\varepsilon_0^{\omega^\omega}$ $\omega^{\omega^{\varepsilon_0+\omega^\omega}}$
$\varphi(\varphi(\varphi(1, 0) \cdot 2))$	$\varepsilon_0^{\varepsilon_0}$ $\omega^{\omega^{\varepsilon_0 \cdot 2}}$ $\varepsilon_0^{\varepsilon_0}$
$\varphi(\varphi(\varphi(1, 0) \cdot 2) + 1)$	$\varepsilon_0^{\varepsilon_0} \cdot \omega$ $\omega^{\omega^{\varepsilon_0 \cdot 2}+1}$
$\varphi(\varphi(\varphi(1, 0) \cdot 2) + \varphi(1, 0))$	$\varepsilon_0^{\varepsilon_0+1}$ $\omega^{\omega^{\varepsilon_0 \cdot 2}+\varepsilon_0}$
$\varphi(\varphi(\varphi(1, 0) \cdot 2) + \varphi(\varphi(1, 0) + 1))$	$\varepsilon_0^{\varepsilon_0+\omega}$ $\omega^{\omega^{\varepsilon_0 \cdot 2}+\omega^{\varepsilon_0+1}}$
$\varphi(\varphi(\varphi(1, 0) \cdot 2) \cdot 2)$	$\varepsilon_0^{\varepsilon_0 \cdot 2}$ $\omega^{\omega^{\varepsilon_0 \cdot 2} \cdot 2}$
$\varphi(\varphi(\varphi(1, 0) \cdot 2 + 1))$	$\varepsilon_0^{\varepsilon_0 \cdot \omega}$ $\omega^{\omega^{\varepsilon_0 \cdot 2}+1}$
$\varphi(\varphi(\varphi(1, 0) \cdot 3))$	$\varepsilon_0^{\varepsilon_0^2}$ $\omega^{\omega^{\varepsilon_0 \cdot 3}}$
$\varphi(\varphi(\varphi(\varphi(1, 0) + 1)))$	$\varepsilon_0^{\varepsilon_0^\omega}$ $\omega^{\omega^{\omega^{\varepsilon_0+1}}}$
$\varphi(\varphi(\varphi(\varphi(1, 0) \cdot 2)))$	$\varepsilon_0^{\varepsilon_0^{\varepsilon_0}}$ $\omega^{\omega^{\omega^{\varepsilon_0 \cdot 2}}}$
$\varphi(1, 1)$	$\varepsilon_1$
$\varphi(1, 1) + \varphi(1, 0)$	$\varepsilon_1 + \varepsilon_0$
$\varphi(1, 1) + \varphi(\varphi(1, 0))$	$\varepsilon_1 + \varepsilon_0 \cdot \omega$ $\varepsilon_1 + \omega^{\varepsilon_0+1}$



Veblen 函数	Cantor 式
$\varphi(1, 1) + \varphi(\varphi(1, 0))$	$\varepsilon_1 + \varepsilon_0^\omega$ $\varepsilon_1 + \omega^{\omega^{\varepsilon_0+1}}$
$\varphi(1, 1) \cdot 2$	$\varepsilon_1 \cdot 2$
$\varphi(\varphi(1, 1) + 1)$	$\varepsilon_1 \cdot \omega$ $\omega^{\varepsilon_1+1}$
$\varphi(\varphi(1, 1) + \varphi(1, 0))$	$\varepsilon_1 \cdot \varepsilon_0$ $\omega^{\varepsilon_1+\varepsilon_0}$
$\varphi(\varphi(1, 1) + \varphi(\varphi(1, 0) \cdot 2))$	$\varepsilon_1 \cdot \varepsilon_0^2$ $\omega^{\varepsilon_1+\omega^{\varepsilon_0 \cdot 2}}$
$\varphi(\varphi(1, 1) \cdot 2)$	$\varepsilon_1^2$ $\omega^{\varepsilon_1 \cdot 2}$
$\varphi(\varphi(1, 1) \cdot 3)$	$\varepsilon_1^3$ $\omega^{\varepsilon_1 \cdot 3}$
$\varphi(\varphi(\varphi(1, 1) + 1))$	$\varepsilon_1^\omega$ $\omega^{\omega^{\varepsilon_1+1}}$
$\varphi(\varphi(\varphi(1, 1) + \varphi(1, 0)))$	$\varepsilon_1^{\varepsilon_0}$ $\omega^{\omega^{\varepsilon_1+\varepsilon_0}}$
$\varphi(\varphi(\varphi(1, 1) \cdot 2))$	$\varepsilon_1^{\varepsilon_1}$ $\omega^{\omega^{\varepsilon_1 \cdot 2}}$
$\varphi(1, 2)$	$\varepsilon_2$
$\varphi(\varphi(1, 2) + 1)$	$\varepsilon_2 \cdot \omega$ $\omega^{\varepsilon_2+1}$
$\varphi(\varphi(1, 2) + \varphi(1, 0))$	$\varepsilon_2 \cdot \varepsilon_0$ $\omega^{\varepsilon_2+\varepsilon_0}$
$\varphi(\varphi(1, 2) + \varphi(1, 1))$	$\varepsilon_2 \cdot \varepsilon_1$ $\omega^{\varepsilon_2+\varepsilon_1}$
$\varphi(\varphi(1, 2) \cdot 2)$	$\varepsilon_2^2$ $\omega^{\varepsilon_2 \cdot 2}$
$\varphi(\varphi(\varphi(1, 2) + 1))$	$\varepsilon_2^\omega$ $\omega^{\omega^{\varepsilon_2+1}}$
$\varphi(\varphi(\varphi(1, 2) \cdot 2))$	$\varepsilon_2^{\varepsilon_2}$ $\omega^{\omega^{\varepsilon_2 \cdot 2}}$
$\varphi(1, 3)$	$\varepsilon_3$
$\varphi(\varphi(1, 3) \cdot 2)$	$\varepsilon_3^2$ $\omega^{\varepsilon_3 \cdot 2}$

Veblen 函数	Cantor 式
$\varphi(1, 4)$	$\varepsilon_4$
$\varphi(1, 5)$	$\varepsilon_5$
$\varphi(1, \varphi(1))$	$\varepsilon_\omega$
$\varphi(\varphi(1, \varphi(1)) \cdot 2)$	$\varepsilon_\omega^2$ $\omega^{\varepsilon_\omega \cdot 2}$
$\varphi(1, \varphi(1) + 1)$	$\varepsilon_{\omega+1}$
$\varphi(1, \varphi(1) + 2)$	$\varepsilon_{\omega+2}$
$\varphi(1, \varphi(1) \cdot 2)$	$\varepsilon_{\omega \cdot 2}$
$\varphi(1, \varphi(2))$	$\varepsilon_{\omega^2}$
$\varphi(1, \varphi(\varphi(1)))$	$\varepsilon_{\omega^\omega}$
$\varphi(1, \varphi(\varphi(\varphi(1))))$	$\varepsilon_{\omega^{\omega^\omega}}$
$\varphi(1, \varphi(1, 0))$	$\varepsilon_{\varepsilon_0}$
$\varphi(1, \varphi(1, 0) + 1)$	$\varepsilon_{\varepsilon_0+1}$
$\varphi(1, \varphi(1, 0) \cdot 2)$	$\varepsilon_{\varepsilon_0 \cdot 2}$
$\varphi(1, \varphi(\varphi(1, 0) + 1))$	$\varepsilon_{\varepsilon_0 \cdot \omega}$ $\varepsilon_{\omega^{\varepsilon_0+1}}$
$\varphi(1, \varphi(\varphi(1, 0) \cdot 2))$	$\varepsilon_{\varepsilon_0^2}$ $\varepsilon_{\omega^{\varepsilon_0 \cdot 2}}$
$\varphi(1, \varphi(1, 1))$	$\varepsilon_{\varepsilon_1}$
$\varphi(1, \varphi(1, 2))$	$\varepsilon_{\varepsilon_2}$
$\varphi(1, \varphi(1, \varphi(0)))$	$\varepsilon_{\varepsilon_\omega}$
$\varphi(1, \varphi(1, \varphi(1, 0)))$	$\varepsilon_{\varepsilon_{\varepsilon_0}}$
$\varphi(2, 0)$	$\zeta_0$
$\varphi(2, 0) + \varphi(1)$	$\zeta_0 + \omega$
$\varphi(2, 0) + \varphi(1, 0)$	$\zeta_0 + \varepsilon_0$
$\varphi(2, 0) + \varphi(1, \varphi(1, 0))$	$\zeta_0 + \varepsilon_{\varepsilon_0}$
$\varphi(2, 0) \cdot 2$	$\zeta_0 \cdot 2$
$\varphi(\varphi(2, 0) + 1)$	$\zeta_0 \cdot \omega$ $\omega^{\zeta_0+1}$

Veblen 函数	Cantor 式
$\varphi(\varphi(2, 0) + \varphi(1, 0))$	$\zeta_0 \cdot \varepsilon_0$ $\omega^{\zeta_0 + \varepsilon_0}$
$\varphi(\varphi(2, 0) + \varphi(1, \varphi(1, 0)))$	$\zeta_0 \cdot \varepsilon_{\varepsilon_0}$ $\omega^{\zeta_0 + \varepsilon_{\varepsilon_0}}$
$\varphi(\varphi(2, 0) \cdot 2)$	$\zeta_0^2$ $\omega^{\zeta_0 \cdot 2}$
$\varphi(\varphi(\varphi(2, 0) + 1))$	$\zeta_0^\omega$ $\omega^{\omega^{\zeta_0 + 1}}$
$\varphi(\varphi(\varphi(2, 0) + \varphi(1, 0)))$	$\zeta_0^{\varepsilon_0}$ $\omega^{\omega^{\zeta_0 + \varepsilon_0}}$
$\varphi(\varphi(\varphi(2, 0) \cdot 2))$	$\zeta_0^{\zeta_0}$ $\omega^{\omega^{\zeta_0 \cdot 2}}$
$\varphi(\varphi(\varphi(\varphi(2, 0) \cdot 2)))$	$\zeta_0^{\zeta_0^{\zeta_0}}$ $\omega^{\omega^{\omega^{\zeta_0 \cdot 2}}}$
$\varphi(1, \varphi(2, 0) + 1)$	$\varepsilon_{\zeta_0 + 1}$
$\varphi(\varphi(1, \varphi(2, 0) + 1) \cdot 2)$	$\varepsilon_{\zeta_0 + 1}^2$ $\omega^{\varepsilon_{\zeta_0 + 1} \cdot 2}$
$\varphi(\varphi(\varphi(1, \varphi(2, 0) + 1) \cdot 2))$	$\varepsilon_{\zeta_0 + 1}^{\varepsilon_{\zeta_0 + 1}}$ $\omega^{\omega^{\varepsilon_{\zeta_0 + 1} \cdot 2}}$
$\varphi(1, \varphi(2, 0) + 2)$	$\varepsilon_{\zeta_0 + 2}$
$\varphi(1, \varphi(2, 0) + 3)$	$\varepsilon_{\zeta_0 + 3}$
$\varphi(1, \varphi(2, 0) + \varphi(0))$	$\varepsilon_{\zeta_0 + \omega}$
$\varphi(1, \varphi(2, 0) + \varphi(1, 0))$	$\varepsilon_{\zeta_0 + \varepsilon_0}$
$\varphi(1, \varphi(2, 0) + \varphi(1, \varphi(1, 0)))$	$\varepsilon_{\zeta_0 + \varepsilon_{\varepsilon_0}}$
$\psi(\Omega + \varphi(2, 0))$	$\varepsilon_{\zeta_0 \cdot 2}$
$\varphi(1, \varphi(2, 0) \cdot 2)$	$\varepsilon_{\zeta_0 \cdot 3}$
$\varphi(1, \varphi(\varphi(2, 0) + 1))$	$\varepsilon_{\zeta_0 \cdot \omega}$ $\varepsilon_{\omega^{\zeta_0 + 1}}$
$\varphi(1, \varphi(\varphi(2, 0) \cdot 2))$	$\varepsilon_{\zeta_0^2}$ $\varepsilon_{\omega^{\zeta_0 \cdot 2}}$
$\varphi(1, \varphi(\varphi(\varphi(2, 0) \cdot 2)))$	$\varepsilon_{\zeta_0^{\zeta_0}}$ $\varepsilon_{\omega^{\omega^{\zeta_0 \cdot 2}}}$
$\varphi(1, \varphi(1, \varphi(2, 0) + 1))$	$\varepsilon_{\varepsilon_{\zeta_0 + 1}}$

Veblen 函数	Cantor 式
$\varphi(1, \varphi(1, \varphi(2, 0) + \varphi(1, 0)))$	$\varepsilon_{\varepsilon_{\zeta_0} + \varepsilon_0}$
$\varphi(1, \varphi(1, \varphi(2, 0) \cdot 2)))$	$\varepsilon_{\varepsilon_{\zeta_0} \cdot 2}$
$\varphi(1, \varphi(1, \varphi(1, \varphi(2, 0) + 1))))$	$\varepsilon_{\varepsilon_{\varepsilon_{\zeta_0} + 1}}$
$\varphi(2, 1)$	$\zeta_1$
$\varphi(\varphi(2, 1) + 1)$	$\zeta_1 \cdot \omega$ $\omega^{\zeta_1 + 1}$
$\varphi(\varphi(2, 1) + \varphi(2, 0))$	$\zeta_1 \cdot \zeta_0$ $\omega^{\zeta_1 + \zeta_0}$
$\varphi(\varphi(2, 1) \cdot 2)$	$\zeta_1^2$ $\omega^{\zeta_1 \cdot 2}$
$\varphi(\varphi(\varphi(2, 1) \cdot 2))$	$\zeta_1^{\zeta_1}$ $\omega^{\omega^{\zeta_1 \cdot 2}}$
$\varphi(1, \varphi(2, 1) + 1)$	$\varepsilon_{\zeta_1 + 1}$
$\varphi(1, \varphi(2, 1) + \varphi(2, 0))$	$\varepsilon_{\zeta_1 + \zeta_0}$
$\varphi(1, \varphi(2, 1) \cdot 2)$	$\varepsilon_{\zeta_1 \cdot 2}$
$\varphi(1, \varphi(\varphi(2, 1) \cdot 2))$	$\varepsilon_{\zeta_1^2}$ $\varepsilon_{\omega^{\zeta_1 \cdot 2}}$
$\varphi(1, \varphi(1, \varphi(2, 1) + 1)))$	$\varepsilon_{\varepsilon_{\zeta_1 + 1}}$
$\varphi(2, 2)$	$\zeta_2$
$\varphi(\varphi(2, 2) + 1) \cdot \omega$	$\zeta_2 \cdot \omega$ $\omega^{\zeta_2 + 1}$
$\varphi(1, \varphi(2, 2) + 1)$	$\varepsilon_{\zeta_2 + 1}$
$\varphi(1, \varphi(2, 2) \cdot 2)$	$\varepsilon_{\zeta_2 \cdot 2}$
$\varphi(1, \varphi(1, \varphi(2, 2) + 1)))$	$\varepsilon_{\varepsilon_{\zeta_2 + 1}}$
$\varphi(2, 3)$	$\zeta_3$
$\varphi(2, 4)$	$\zeta_4$
$\varphi(2, \varphi(1))$	$\zeta_\omega$
$\varphi(2, \varphi(1, 0))$	$\zeta_{\varepsilon_0}$
$\varphi(2, \varphi(1, \varphi(1, 0)))$	$\zeta_{\varepsilon_{\varepsilon_0}}$
$\varphi(2, \varphi(2, 0))$	$\zeta_{\zeta_0}$

Veblen 函数	Cantor 式
$\varphi(2, \varphi(2, 1))$	$\zeta_{\zeta_1}$
$\varphi(2, \varphi(2, \varphi(1, 0)))$	$\zeta_{\zeta_{\varepsilon_0}}$
$\varphi(2, \varphi(2, \varphi(2, 0)))$	$\zeta_{\zeta_{\zeta_0}}$
$\varphi(3, 0)$	$\eta_0$
$\varphi(\varphi(3, 0) + 1)$	$\eta_0 \cdot \omega$ $\omega^{\eta_0+1}$
$\varphi(\varphi(\varphi(3, 0) \cdot 2))$	$\eta_0^{\eta_0}$ $\omega^{\omega^{\eta_0 \cdot 2}}$
$\varphi(1, \varphi(3, 0) + 1)$	$\varepsilon_{\eta_0+1}$
$\varphi(1, \varphi(3, 0) \cdot 2)$	$\varepsilon_{\eta_0 \cdot 2}$
$\varphi(1, \varphi(1, \varphi(3, 0) \cdot 2))$	$\varepsilon_{\varepsilon_{\eta_0 \cdot 2}}$
$\varphi(2, \varphi(3, 0) + 1)$	$\zeta_{\eta_0+1}$
$\varphi(2, \varphi(3, 0) \cdot 2)$	$\zeta_{\eta_0 \cdot 2}$
$\varphi(2, \varphi(2, \varphi(3, 0) \cdot 2))$	$\zeta_{\zeta_{\eta_0 \cdot 2}}$
$\varphi(3, 1)$	$\eta_1$
$\varphi(\varphi(3, 1) + 1)$	$\eta_1 \cdot \omega$ $\omega^{\eta_1+1}$
$\varphi(1, \varphi(3, 1) + 1)$	$\varepsilon_{\eta_1+1}$
$\varphi(2, \varphi(3, 1) + 1)$	$\zeta_{\eta_1+1}$
$\varphi(2, \varphi(2, \varphi(3, 1) + 1))$	$\zeta_{\zeta_{\eta_1+1}}$
$\varphi(3, 2)$	$\eta_2$
$\varphi(3, 3)$	$\eta_3$
$\varphi(3, \varphi(1))$	$\eta_\omega$
$\varphi(3, \varphi(1, 0))$	$\eta_{\varepsilon_0}$
$\varphi(3, \varphi(2, 0))$	$\eta_{\zeta_0}$
$\varphi(3, \varphi(3, 0))$	$\eta_{\eta_0}$
$\varphi(3, \varphi(3, \varphi(3, 0)))$	$\eta_{\eta_{\eta_0}}$
$\varphi(4, 0)$	

Veblen 函数	Cantor 式
$\varphi(\varphi(4, 0) + 1)$	$\omega^{\varphi(4, 0) + 1}$
$\varphi(1, \varphi(4, 0) + 1)$	$\varepsilon_{\varphi(4, 0) + 1}$
$\varphi(2, \varphi(4, 0) + 1)$	$\zeta_{\varphi(4, 0) + 1}$
$\varphi(3, \varphi(4, 0) + 1)$	$\eta_{\varphi(4, 0) + 1}$
$\varphi(4, 1)$	
$\varphi(4, 2)$	
$\varphi(4, \omega)$	
$\varphi(4, \varphi(4, 0))$	
$\varphi(5, 0)$	
$\varphi(4, \varphi(5, 0) + 1)$	
$\varphi(5, 1)$	
$\varphi(5, \varphi(5, 0))$	
$\varphi(6, 0)$	
$\varphi(7, 0)$	
$\varphi(\varphi(1), 0)$	$\varphi(\omega, 0)$
$\varphi(\varphi(\varphi(1), 0) + 1)$	$\omega^{\varphi(\omega, 0) + 1}$
$\varphi(1, \varphi(\varphi(1), 0) + 1)$	$\varepsilon_{\varphi(\omega, 0) + 1}$
$\varphi(2, \varphi(\varphi(1), 0) + 1)$	$\zeta_{\varphi(\omega, 0) + 1}$
$\varphi(3, \varphi(\varphi(1), 0) + 1)$	$\eta_{\varphi(\omega, 0) + 1}$
$\varphi(4, \varphi(\varphi(1), 0) + 1)$	$\varphi(4, \varphi(\omega, 0) + 1)$
$\varphi(5, \varphi(\varphi(1), 0) + 1)$	$\varphi(5, \varphi(\omega, 0) + 1)$
$\varphi(6, \varphi(\varphi(1), 0) + 1)$	$\varphi(6, \varphi(\omega, 0) + 1)$
$\varphi(\varphi(1), 1)$	$\varphi(\omega, 1)$
$\varphi(\varphi(1), 2)$	$\varphi(\omega, 2)$
$\varphi(\varphi(1), \varphi(1))$	$\varphi(\omega, \omega)$
$\varphi(\varphi(1), \varphi(\varphi(1), 0))$	$\varphi(\omega, \varphi(\omega, 0))$

Veblen 函数	Cantor 式
$\varphi(\varphi(1) + 1, 0)$	$\varphi(\omega + 1, 0)$
$\varphi(\varphi(1), \varphi(\varphi(1) + 1, 0) + 1)$	$\varphi(\omega, \varphi(\omega + 1, 0) + 1)$
$\varphi(\varphi(1) + 1, 1)$	$\varphi(\omega + 1, 1)$
$\varphi(\varphi(1) + 2, 0)$	$\varphi(\omega + 2, 0)$
$\varphi(\varphi(1) + 3, 0)$	$\varphi(\omega + 3, 0)$
$\varphi(\varphi(1) \cdot 2, 0)$	$\varphi(\omega \cdot 2, 0)$
$\varphi(\varphi(1) \cdot 3, 0)$	$\varphi(\omega \cdot 3, 0)$
$\varphi(\varphi(2), 0)$	$\varphi(\omega^2, 0)$
$\varphi(\varphi(\varphi(1)), 0)$	$\varphi(\omega^\omega, 0)$
$\varphi(\varphi(1, 0), 0)$	$\varphi(\varepsilon_0, 0)$
$\varphi(\varphi(1, 1), 0)$	$\varphi(\varepsilon_1, 0)$
$\varphi(\varphi(2, 0), 0)$	$\varphi(\zeta_0, 0)$
$\varphi(\varphi(3, 0), 0)$	$\varphi(\eta_0, 0)$
$\varphi(\varphi(\varphi(1), 0), 0)$	$\varphi(\varphi(\omega, 0), 0)$
$\varphi(\varphi(\varphi(1, 0), 0), 0)$	$\varphi(\varphi(\varepsilon_0, 0), 0)$
$\varphi(1, 0, 0)$	$\Gamma_0$
$\varphi(1, 0, 0) \cdot 2$	$\Gamma_0 \cdot 2$
$\varphi(\varphi(1, 0, 0) + 1)$	$\Gamma_0 \cdot \omega$ $\omega^{\Gamma_0+1}$
$\varphi(\varphi(1, 0, 0) \cdot 2)$	$\Gamma_0^{\Gamma_0}$ $\omega^{\Gamma_0 \cdot 2}$
$\varphi(1, \varphi(1, 0, 0) + 1)$	$\varepsilon_{\Gamma_0+1}$
$\varphi(1, \varphi(1, 0, 0) \cdot 2)$	$\varepsilon_{\Gamma_0 \cdot 2}$
$\varphi(2, \varphi(1, 0, 0) + 1)$	$\zeta_{\Gamma_0+1}$
$\varphi(3, \varphi(1, 0, 0) + 1)$	$\eta_{\Gamma_0+1}$
$\varphi(4, \varphi(1, 0, 0) + 1)$	$\varphi(4, \Gamma_0 + 1)$
$\varphi(5, \varphi(1, 0, 0) + 1)$	$\varphi(5, \Gamma_0 + 1)$
$\varphi(\varphi(1), \varphi(1, 0, 0) + 1)$	$\varphi(\omega, \Gamma_0 + 1)$

Veblen 函数	Cantor 式
$\varphi(\varphi(1, 0), \varphi(1, 0, 0) + 1)$	$\varphi(\varepsilon_0, \Gamma_0 + 1)$
$\varphi(\varphi(\varphi(1), 0), \varphi(1, 0, 0) + 1)$	$\varphi(\varphi(\omega, 0), \Gamma_0 + 1)$
$\varphi(\varphi(\varphi(1, 0), 0), \varphi(1, 0, 0) + 1)$	$\varphi(\varphi(\varepsilon_0, 0), \Gamma_0 + 1)$
$\varphi(\varphi(1, 0, 0), 1)$	$\varphi(\Gamma_0, 1)$
$\varphi(\varphi(1, 0, 0), 2)$	$\varphi(\Gamma_0, 2)$
$\varphi(\varphi(1, 0, 0), \varphi(1, 0, 0))$	$\varphi(\Gamma_0, \Gamma_0)$
$\varphi(\varphi(1, 0, 0) + 1, 0)$	$\varphi(\Gamma_0 + 1, 0)$
$\varphi(\varphi(1, 0, 0) + \omega, 0)$	$\varphi(\Gamma_0 + \omega, 0)$
$\varphi(\varphi(1, 0, 0) \cdot 2, 0)$	$\varphi(\Gamma_0 \cdot 2, 0)$
$\varphi(\varphi(1, \varphi(1, 0, 0) + 1), 0)$	$\varphi(\varepsilon_{\Gamma_0+1}, 0)$
$\varphi(\varphi(\varphi(1, 0, 0), 1), 0)$	$\varphi(\varphi(\Gamma_0, 1), 0)$
$\varphi(\varphi(\varphi(1, 0, 0) + 1, 0), 0)$	$\varphi(\varphi(\Gamma_0 + 1, 0), 0)$
$\varphi(1, 0, 1)$	$\Gamma_1$
$\varphi(\varphi(1, 0, 0), \varphi(1, 0, 1) + 1)$	$\varphi(\Gamma_0, \Gamma_1 + 1)$
$\varphi(\varphi(1, 0, 1), 1)$	$\varphi(\Gamma_1, 1)$
$\varphi(1, 0, 2)$	$\Gamma_2$
$\varphi(1, 0, 3)$	$\Gamma_3$
$\varphi(1, 0, \varphi(1))$	$\Gamma_\omega$
$\varphi(1, 0, \varphi(1, 0))$	$\Gamma_{\varepsilon_0}$
$\varphi(1, 0, \varphi(1, 0, 0))$	$\Gamma_{\Gamma_0}$
$\varphi(1, 1, 0)$	$\alpha \mapsto \Gamma_\alpha \text{ fp.}$

## A.4 MOCF vs Veblen 函数

本节的结果主要引自<sup>[1]</sup>。

Madore's OCF	Veblen 函数
$\psi(0)$	$\varepsilon_0$



Madore's OCF	Veblen 函数
$\psi(0) + 1$	$\varepsilon_0 + 1$
$\psi(0) + \omega$	$\varepsilon_0 + \omega$
$\psi(0) + \omega^\omega$	$\varepsilon_0 + \omega^\omega$
$\psi(0) + \omega^{\omega^\omega}$	$\varepsilon_0 + \omega^{\omega^\omega}$
$\psi(0) \cdot 2$	$\varepsilon_0 \cdot 2$
$\psi(0) \cdot 3$	$\varepsilon_0 \cdot 3$
$\psi(0) \cdot \omega$	$\varepsilon_0 \cdot \omega$ $\omega^{\varepsilon_0+1}$
$\psi(0) \cdot \omega + \omega$	$\varepsilon_0 \cdot \omega + \omega$ $\omega^{\varepsilon_0+1} + \omega$
$\psi(0) \cdot \omega + \omega^\omega$	$\varepsilon_0 \cdot \omega + \omega^\omega$ $\omega^{\varepsilon_0+1} + \omega^\omega$
$\psi(0) \cdot \omega \cdot 2$	$\varepsilon_0 \cdot \omega \cdot 2$ $\omega^{\varepsilon_0+1} \cdot 2$
$\psi(0) \cdot \omega^2$	$\varepsilon_0 \cdot \omega^2$ $\omega^{\varepsilon_0+2}$
$\psi(0) \cdot \omega^2 \cdot 2$	$\varepsilon_0 \cdot \omega^2 \cdot 2$ $\omega^{\varepsilon_0+2} \cdot 2$
$\psi(0) \cdot \omega^3$	$\varepsilon_0 \cdot \omega^3$ $\omega^{\varepsilon_0+3}$
$\psi(0) \cdot \omega^\omega$	$\varepsilon_0 \cdot \omega^\omega$ $\omega^{\varepsilon_0+\omega}$
$\psi(0) \cdot \omega^{\omega^2}$	$\varepsilon_0 \cdot \omega^{\omega^2}$ $\omega^{\varepsilon_0+\omega^2}$
$\psi(0) \cdot \omega^{\omega^\omega}$	$\varepsilon_0 \cdot \omega^{\omega^\omega}$ $\omega^{\varepsilon_0+\omega^\omega}$
$\psi(0)^2$	$\omega^{\varepsilon_0 \cdot 2}$ $\varepsilon_0^2$
$\psi(0)^2 + \omega$	$\varepsilon_0^2 + \omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega$
$\psi(0)^2 + \omega^\omega$	$\varepsilon_0^2 + \omega^\omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega^\omega$
$\psi(0)^2 + \psi(0)$	$\varepsilon_0^2 + \varepsilon_0$ $\omega^{\varepsilon_0 \cdot 2} + \varepsilon_0$

Madore's OCF	Veblen 函数
$\psi(0)^2 + \psi(0) \cdot \omega$	$\varepsilon_0^2 + \varepsilon_0 \cdot \omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega^{\varepsilon_0 + 1}$
$\psi(0)^2 \cdot 2$	$\varepsilon_0^2 \cdot 2$ $\omega^{\varepsilon_0 \cdot 2} \cdot 2$
$\psi(0)^2 \cdot \omega$	$\varepsilon_0^2 \cdot \omega$ $\omega^{\varepsilon_0 \cdot 2 + 1}$
$\psi(0)^2 \cdot \omega^\omega$	$\varepsilon_0^2 \cdot \omega^\omega$ $\omega^{\varepsilon_0 \cdot 2 + \omega}$
$\psi(0)^3$	$\varepsilon_0^3$ $\omega^{\varepsilon_0 \cdot 3}$
$\psi(0)^4$	$\varepsilon_0^4$ $\omega^{\varepsilon_0 \cdot 4}$
$\psi(0)^\omega$	$\varepsilon_0^\omega$ $\omega^{\omega^{\varepsilon_0 + 1}}$
$\psi(0)^\omega \cdot 2$	$\varepsilon_0^\omega \cdot 2$ $\omega^{\omega^{\varepsilon_0 + 1}} \cdot 2$
$\psi(0)^\omega \cdot \omega$	$\omega^{\omega^{\varepsilon_0 + 1} + 1}$
$\psi(0)^\omega \cdot \omega^\omega$	$\varepsilon_0^\omega \cdot \omega^\omega$ $\omega^{\omega^{\varepsilon_0 + 1} + \omega}$
$\psi(0)^{\omega+1}$	$\varepsilon_0^{\omega+1}$ $\omega^{\omega^{\varepsilon_0 + 1} + \varepsilon_0}$
$\psi(0)^{\omega+2}$	$\varepsilon_0^{\omega+2}$ $\omega^{\omega^{\varepsilon_0 + 1} + \varepsilon_0 \cdot 2}$
$\psi(0)^{\omega \cdot 2}$	$\varepsilon_0^{\omega \cdot 2}$ $\omega^{\omega^{\varepsilon_0 + 1} \cdot 2}$
$\psi(0)^{\omega^2}$	$\varepsilon_0^{\omega^2}$ $\omega^{\omega^{\varepsilon_0 + 2}}$
$\psi(0)^{\omega^\omega}$	$\omega^{\omega^{\varepsilon_0 + \omega}}$
$\psi(0)^{\omega^{\omega^\omega}}$	$\varepsilon_0^{\omega^\omega}$ $\omega^{\omega^{\varepsilon_0 + \omega^\omega}}$
$\psi(0)^{\psi(0)}$	$\omega^{\omega^{\varepsilon_0 \cdot 2}}$ $\varepsilon_0^{\varepsilon_0}$
$\psi(0)^{\psi(0)} \cdot \omega$	$\varepsilon_0^{\varepsilon_0} \cdot \omega$ $\omega^{\omega^{\varepsilon_0 \cdot 2} + 1}$
$\psi(0)^{\psi(0)+1}$	$\varepsilon_0^{\varepsilon_0 + 1}$ $\omega^{\omega^{\varepsilon_0 \cdot 2} + \varepsilon_0}$

Madore's OCF	Veblen 函数
$\psi(0)^{\psi(0)+\omega}$	$\varepsilon_0^{\varepsilon_0+\omega}$ $\omega^{\omega^{\varepsilon_0 \cdot 2} + \omega^{\varepsilon_0 + 1}}$
$\psi(0)^{\psi(0) \cdot 2}$	$\varepsilon_0^{\varepsilon_0 \cdot 2}$ $\omega^{\omega^{\varepsilon_0 \cdot 2} \cdot 2}$
$\psi(0)^{\psi(0) \cdot \omega}$	$\varepsilon_0^{\varepsilon_0 \cdot \omega}$ $\omega^{\omega^{\varepsilon_0 \cdot 2 + 1}}$
$\psi(0)^{\psi(0)^2}$	$\varepsilon_0^{\varepsilon_0^2}$ $\omega^{\omega^{\varepsilon_0 \cdot 3}}$
$\psi(0)^{\psi(0)^\omega}$	$\varepsilon_0^{\varepsilon_0^\omega}$ $\omega^{\omega^{\omega^{\varepsilon_0 + 1}}}$
$\psi(0)^{\psi(0)^{\psi(0)}}$	$\varepsilon_0^{\varepsilon_0^{\varepsilon_0}}$ $\omega^{\omega^{\omega^{\varepsilon_0 \cdot 2}}}$
$\psi(1)$	$\varepsilon_1$
$\psi(1) + \psi(0)$	$\varepsilon_1 + \varepsilon_0$
$\psi(1) + \psi(0) \cdot \omega$	$\varepsilon_1 + \varepsilon_0 \cdot \omega$ $\varepsilon_1 + \omega^{\varepsilon_0 + 1}$
$\psi(1) + \psi(0)^\omega$	$\varepsilon_1 + \varepsilon_0^\omega$ $\varepsilon_1 + \omega^{\omega^{\varepsilon_0}}$
$\psi(1) \cdot 2$	$\varepsilon_1 \cdot 2$
$\psi(1) \cdot \omega$	$\varepsilon_1 \cdot \omega$ $\omega^{\varepsilon_1 + 1}$
$\psi(1) \cdot \psi(0)$	$\varepsilon_1 \cdot \varepsilon_0$ $\omega^{\varepsilon_1 + \varepsilon_0}$
$\psi(1) \cdot \psi(0)^2$	$\varepsilon_1 \cdot \varepsilon_0^2$ $\omega^{\varepsilon_1 + \omega^{\varepsilon_0 \cdot 2}}$
$\psi(1)^2$	$\varepsilon_1^2$ $\omega^{\varepsilon_1 \cdot 2}$
$\psi(1)^3$	$\varepsilon_1^3$ $\omega^{\varepsilon_1 \cdot 3}$
$\psi(1)^\omega$	$\varepsilon_1^\omega$ $\omega^{\omega^{\varepsilon_1 + 1}}$
$\psi(1)^{\psi(0)}$	$\varepsilon_1^{\varepsilon_0}$ $\omega^{\omega^{\varepsilon_1 + \varepsilon_0}}$
$\psi(1)^{\psi(1)}$	$\varepsilon_1^{\varepsilon_1}$ $\omega^{\omega^{\varepsilon_1 \cdot 2}}$

Madore's OCF	Veblen 函数
$\psi(2)$	$\varepsilon_2$
$\psi(2) \cdot \omega$	$\varepsilon_2 \cdot \omega$ $\omega^{\varepsilon_2+1}$
$\psi(2) \cdot \psi(0)$	$\varepsilon_2 \cdot \varepsilon_0$ $\omega^{\varepsilon_2+\varepsilon_0}$
$\psi(2) \cdot \psi(1)$	$\varepsilon_2 \cdot \varepsilon_1$ $\omega^{\varepsilon_2+\varepsilon_1}$
$\psi(2)^2$	$\varepsilon_2^2$ $\omega^{\varepsilon_2 \cdot 2}$
$\psi(2)^\omega$	$\varepsilon_2^\omega$ $\omega^{\omega^{\varepsilon_2+1}}$
$\psi(2)^{\psi(2)}$	$\varepsilon_2^{\varepsilon_2}$ $\omega^{\omega^{\varepsilon_2 \cdot 2}}$
$\psi(3)$	$\varepsilon_3$
$\psi(3)^2$	$\varepsilon_3^2$ $\omega^{\varepsilon_3 \cdot 2}$
$\psi(4)$	$\varepsilon_4$
$\psi(5)$	$\varepsilon_5$
$\psi(\omega)$	$\varepsilon_\omega$
$\psi(\omega)^2$	$\varepsilon_\omega^2$ $\omega^{\varepsilon_\omega \cdot 2}$
$\psi(\omega + 1)$	$\varepsilon_{\omega+1}$
$\psi(\omega + 2)$	$\varepsilon_{\omega+2}$
$\psi(\omega \cdot 2)$	$\varepsilon_{\omega \cdot 2}$
$\psi(\omega^2)$	$\varepsilon_{\omega^2}$
$\psi(\omega^\omega)$	$\varepsilon_{\omega^\omega}$
$\psi(\omega^{\omega^\omega})$	$\varepsilon_{\omega^{\omega^\omega}}$
$\psi(\psi(0))$	$\varepsilon_{\varepsilon_0}$
$\psi(\psi(0) + 1)$	$\varepsilon_{\varepsilon_0+1}$
$\psi(\psi(0) \cdot 2)$	$\varepsilon_{\varepsilon_0 \cdot 2}$

Madore's OCF	Veblen 函数
$\psi(\psi(0) \cdot \omega)$	$\varepsilon_{\varepsilon_0 \cdot \omega}$ $\varepsilon_{\omega^{\varepsilon_0+1}}$
$\psi(\psi(0)^2)$	$\varepsilon_{\varepsilon_0^2}$ $\varepsilon_{\omega^{\varepsilon_0 \cdot 2}}$
$\psi(\psi(1))$	$\varepsilon_{\varepsilon_1}$
$\psi(\psi(2))$	$\varepsilon_{\varepsilon_2}$
$\psi(\psi(\omega))$	$\varepsilon_{\varepsilon_\omega}$
$\psi(\psi(\psi(0)))$	$\varepsilon_{\varepsilon_{\varepsilon_0}}$
$\psi(\Omega)$	$\zeta_0$
$\psi(\Omega) + \omega$	$\zeta_0 + \omega$
$\psi(\Omega) + \psi(0)$	$\zeta_0 + \varepsilon_0$
$\psi(\Omega) + \psi(\psi(0))$	$\zeta_0 + \varepsilon_{\varepsilon_0}$
$\psi(\Omega) \cdot 2$	$\zeta_0 \cdot 2$
$\psi(\Omega) \cdot \omega$	$\zeta_0 \cdot \omega$ $\omega^{\zeta_0+1}$
$\psi(\Omega) \cdot \psi(0)$	$\zeta_0 \cdot \varepsilon_0$ $\omega^{\zeta_0+\varepsilon_0}$
$\psi(\Omega) \cdot \psi(\psi(0))$	$\zeta_0 \cdot \varepsilon_{\varepsilon_0}$ $\omega^{\zeta_0+\varepsilon_{\varepsilon_0}}$
$\psi(\Omega)^2$	$\zeta_0^2$ $\omega^{\zeta_0 \cdot 2}$
$\psi(\Omega)^\omega$	$\zeta_0^\omega$ $\omega^{\omega^{\zeta_0+1}}$
$\psi(\Omega)^{\psi(0)}$	$\zeta_0^{\varepsilon_0}$ $\omega^{\omega^{\zeta_0+\varepsilon_0}}$
$\psi(\Omega)^{\psi(\Omega)}$	$\omega^{\omega^{\zeta_0 \cdot 2}}$
$\psi(\Omega)^{\psi(\Omega)^{\psi(\Omega)}}$	$\zeta_0^{\zeta_0^{\zeta_0}}$ $\omega^{\omega^{\omega^{\zeta_0 \cdot 2}}}$
$\psi(\Omega + 1)$	$\varepsilon_{\zeta_0+1}$
$\psi(\Omega + 1)^2$	$\varepsilon_{\zeta_0+1}^2$ $\omega^{\varepsilon_{\zeta_0+1} \cdot 2}$

Madore's OCF	Veblen 函数
$\psi(\Omega + 1)^{\psi(\Omega+1)}$	$\varepsilon_{\zeta_0+1}^{\varepsilon_{\zeta_0+1}}$ $\omega^{\omega^{\varepsilon_{\zeta_0+1} \cdot 2}}$
$\psi(\Omega + 2)$	$\varepsilon_{\zeta_0+2}$
$\psi(\Omega + 3)$	$\varepsilon_{\zeta_0+3}$
$\psi(\Omega + \omega)$	$\varepsilon_{\zeta_0+\omega}$
$\psi(\Omega + \psi(0))$	$\varepsilon_{\zeta_0+\varepsilon_0}$
$\psi(\Omega + \psi(\psi(0)))$	$\varepsilon_{\zeta_0+\varepsilon_{\varepsilon_0}}$
$\psi(\Omega + \psi(\Omega))$	$\varepsilon_{\zeta_0 \cdot 2}$
$\psi(\Omega + \psi(\Omega) \cdot 2)$	$\varepsilon_{\zeta_0 \cdot 3}$
$\psi(\Omega + \psi(\Omega) \cdot \omega)$	$\varepsilon_{\zeta_0 \cdot \omega}$ $\varepsilon_{\omega \zeta_0+1}$
$\psi(\Omega + \psi(\Omega)^2)$	$\varepsilon_{\zeta_0^2}$ $\varepsilon_{\omega \zeta_0 \cdot 2}$
$\psi(\Omega + \psi(\Omega)^{\psi(\Omega)})$	$\varepsilon_{\zeta_0 \zeta_0}$ $\varepsilon_{\omega \omega \zeta_0 \cdot 2}$
$\psi(\Omega + \psi(\Omega + 1))$	$\varepsilon_{\varepsilon_{\zeta_0+1}}$
$\psi(\Omega + \psi(\Omega + \psi(0)))$	$\varepsilon_{\varepsilon_{\zeta_0+\varepsilon_0}}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)))$	$\varepsilon_{\varepsilon_{\zeta_0 \cdot 2}}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega + 1)))$	$\varepsilon_{\varepsilon_{\varepsilon_{\zeta_0+1}}}$
$\psi(\Omega \cdot 2)$	$\zeta_1$
$\psi(\Omega \cdot 2) \cdot \omega$	$\zeta_1 \cdot \omega$ $\omega^{\zeta_1+1}$
$\psi(\Omega \cdot 2) \cdot \psi(\Omega)$	$\zeta_1 \cdot \zeta_0$ $\omega^{\zeta_1+\zeta_0}$
$\psi(\Omega \cdot 2)^2$	$\zeta_1^2$ $\omega^{\zeta_1 \cdot 2}$
$\psi(\Omega \cdot 2)^{\psi(\Omega \cdot 2)}$	$\zeta_1^{\zeta_1}$ $\omega^{\omega^{\zeta_1 \cdot 2}}$
$\psi(\Omega \cdot 2 + 1)$	$\varepsilon_{\zeta_1+1}$
$\psi(\Omega \cdot 2 + \psi(\Omega + \psi(\Omega)))$	$\varepsilon_{\zeta_1+\zeta_0}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2))$	$\varepsilon_{\zeta_1 \cdot 2}$

Madore's OCF	Veblen 函数
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2)^2)$	$\varepsilon_{\omega^{\zeta_1 \cdot 2}}$ $\varepsilon_{\zeta_1^2}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + 1))$	$\varepsilon_{\varepsilon_{\zeta_1+1}}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + 1))$	$\varepsilon_{\varepsilon_{\zeta_1+1}}$
$\psi(\Omega \cdot 3)$	$\zeta_2$
$\psi(\Omega \cdot 3) \cdot \omega$	$\zeta_2 \cdot \omega$ $\omega^{\zeta_2+1}$
$\psi(\Omega \cdot 3 + 1)$	$\varepsilon_{\zeta_2+1}$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3))$	$\varepsilon_{\zeta_2 \cdot 2}$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3 + 1))$	$\varepsilon_{\varepsilon_{\zeta_2+1}}$
$\psi(\Omega \cdot 4)$	$\zeta_3$
$\psi(\Omega \cdot 5)$	$\zeta_4$
$\psi(\Omega \cdot \omega)$	$\zeta_\omega$
$\psi(\Omega \cdot \psi(0))$	$\zeta_{\varepsilon_0}$
$\psi(\Omega \cdot \psi(\psi(0)))$	$\zeta_{\varepsilon_{\varepsilon_0}}$
$\psi(\Omega \cdot \psi(\Omega))$	$\zeta_{\zeta_0}$
$\psi(\Omega \cdot \psi(\Omega \cdot 2))$	$\zeta_{\zeta_1}$
$\psi(\Omega \cdot \psi(\Omega \cdot \psi(0)))$	$\zeta_{\zeta_{\varepsilon_0}}$
$\psi(\Omega \cdot \psi(\Omega \cdot \psi(\Omega)))$	$\zeta_{\zeta_{\zeta_0}}$
$\psi(\Omega^2)$	$\eta_0$
$\psi(\Omega^2) \cdot \omega$	$\eta_0 \cdot \omega$ $\omega^{\eta_0+1}$
$\psi(\Omega^2)^{\psi(\Omega^2)}$	$\eta_0^{\eta_0}$ $\omega^{\omega^{\eta_0 \cdot 2}}$
$\psi(\Omega^2 + 1)$	$\varepsilon_{\eta_0+1}$
$\psi(\Omega^2 + \psi(\Omega^2))$	$\varepsilon_{\eta_0 \cdot 2}$
$\psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2)))$	$\varepsilon_{\varepsilon_{\eta_0 \cdot 2}}$
$\psi(\Omega^2 + \Omega)$	$\zeta_{\eta_0+1}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2))$	$\zeta_{\eta_0 \cdot 2}$

Madore's OCF	Veblen 函数
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega \cdot \psi(\Omega^2)))$	$\zeta_{\zeta_{\eta_0 \cdot 2}}$
$\psi(\Omega^2 \cdot 2)$	$\eta_1$
$\psi(\Omega^2 \cdot 2) \cdot \omega$	$\omega^{\eta_1+1}$
$\psi(\Omega^2 \cdot 2 + 1)$	$\varepsilon_{\eta_1+1}$
$\psi(\Omega^2 \cdot 2 + \Omega)$	$\zeta_{\eta_1+1}$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2 + \Omega))$	$\zeta_{\zeta_{\eta_1+1}}$
$\psi(\Omega^2 \cdot 3)$	$\eta_2$
$\psi(\Omega^2 \cdot 4)$	$\eta_3$
$\psi(\Omega^2 \cdot \omega)$	$\eta_\omega$
$\psi(\Omega^2 \cdot \psi(0))$	$\eta_{\varepsilon_0}$
$\psi(\Omega^2 \cdot \psi(\Omega))$	$\eta_{\zeta_0}$
$\psi(\Omega^2 \cdot \psi(\Omega^2))$	$\eta_{\eta_0}$
$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot \psi(\Omega^2)))$	$\eta_{\eta_{\eta_0}}$
$\psi(\Omega^3)$	$\varphi(4, 0)$
$\psi(\Omega^3) \cdot \omega$	$\omega^{\varphi(4,0)+1}$
$\psi(\Omega^3 + 1)$	$\varepsilon_{\varphi(4,0)+1}$
$\psi(\Omega^3 + \Omega^2)$	$\eta_{\varphi(4,0)+1}$
$\psi(\Omega^3 \cdot 2)$	$\varphi(4, 1)$
$\psi(\Omega^3 \cdot 3)$	$\varphi(4, 2)$
$\psi(\Omega^3 \cdot \omega)$	$\varphi(4, \omega)$
$\psi(\Omega^3 \cdot \psi(\Omega^3))$	$\varphi(4, \varphi(4, 0))$
$\psi(\Omega^4)$	$\varphi(5, 0)$
$\psi(\Omega^4 + \Omega^3)$	$\varphi(4, \varphi(5, 0) + 1)$
$\psi(\Omega^4 \cdot 2)$	$\varphi(5, 1)$
$\psi(\Omega^4 \cdot \psi(\Omega^4))$	$\varphi(5, \varphi(5, 0))$
$\psi(\Omega^5)$	$\varphi(6, 0)$



Madore's OCF	Veblen 函数
$\psi(\Omega^6)$	$\varphi(7, 0)$
$\psi(\Omega^\omega)$	$\varphi(\omega, 0)$
$\psi(\Omega^\omega) \cdot \omega$	$\omega^{\varphi(\omega, 0)+1}$
$\psi(\Omega^\omega + 1)$	$\varepsilon_{\varphi(\omega, 0)+1}$
$\psi(\Omega^\omega + \Omega)$	$\zeta_{\varphi(\omega, 0)+1}$
$\psi(\Omega^\omega + \Omega^2)$	$\eta_{\varphi(\omega, 0)+1}$
$\psi(\Omega^\omega + \Omega^3)$	$\varphi(4, \varphi(\omega, 0) + 1)$
$\psi(\Omega^\omega + \Omega^4)$	$\varphi(5, \varphi(\omega, 0) + 1)$
$\psi(\Omega^\omega + \Omega^5)$	$\varphi(6, \varphi(\omega, 0) + 1)$
$\psi(\Omega^\omega \cdot 2)$	$\varphi(\omega, 1)$
$\psi(\Omega^\omega \cdot 3)$	$\varphi(\omega, 2)$
$\psi(\Omega^\omega \cdot \omega)$	$\varphi(\omega, \omega)$
$\psi(\Omega^\omega \cdot \psi(\Omega^\omega))$	$\varphi(\omega, \varphi(\omega, 0))$
$\psi(\Omega^{\omega+1})$	$\varphi(\omega + 1, 0)$
$\psi(\Omega^{\omega+1} + \Omega^\omega)$	$\varphi(\omega, \varphi(\omega + 1, 0) + 1)$
$\psi(\Omega^{\omega+1} \cdot 2)$	$\varphi(\omega + 1, 1)$
$\psi(\Omega^{\omega+2})$	$\varphi(\omega + 2, 0)$
$\psi(\Omega^{\omega+3})$	$\varphi(\omega + 3, 0)$
$\psi(\Omega^{\omega \cdot 2})$	$\varphi(\omega \cdot 2, 0)$
$\psi(\Omega^{\omega \cdot 3})$	$\varphi(\omega \cdot 3, 0)$
$\psi(\Omega^{\omega^2})$	$\varphi(\omega^2, 0)$
$\psi(\Omega^{\omega^\omega})$	$\varphi(\omega^\omega, 0)$
$\psi(\Omega^{\psi(0)})$	$\varphi(\varepsilon_0, 0)$
$\psi(\Omega^{\psi(1)})$	$\varphi(\varepsilon_1, 0)$
$\psi(\Omega^{\psi(\Omega)})$	$\varphi(\zeta_0, 0)$
$\psi(\Omega^{\psi(\Omega^2)})$	$\varphi(\eta_0, 0)$

Madore's OCF	Veblen 函数
$\psi(\Omega^{\psi(\Omega^\omega)})$	$\varphi(\varphi(\omega, 0), 0)$
$\psi(\Omega^{\psi(\Omega^{\psi(0)})})$	$\varphi(\varphi(\varepsilon_0, 0), 0)$
$\psi(\Omega^\Omega)$	$\Gamma_0$ $\varphi(1, 0, 0)$
$\psi(\Omega^\Omega) \cdot 2$	$\Gamma_0 \cdot 2$ $\varphi(1, 0, 0) \cdot 2$
$\psi(\Omega^\Omega) \cdot \omega$	$\omega^{\Gamma_0+1}$ $\varphi(\varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega)^2$	$\omega^{\Gamma_0 \cdot 2}$ $\varphi(\varphi(1, 0, 0) \cdot 2)$
$\psi(\Omega^\Omega + 1)$	$\varepsilon_{\Gamma_0+1}$ $\varphi(1, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \psi(\Omega^\Omega))$	$\varepsilon_{\Gamma_0 \cdot 2}$ $\varphi(1, \varphi(1, 0, 0) \cdot 2)$
$\psi(\Omega^\Omega + \Omega)$	$\zeta_{\Gamma_0+1}$ $\varphi(2, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^2)$	$\eta_{\Gamma_0+1}$ $\varphi(3, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^3)$	$\varphi(4, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^4)$	$\varphi(5, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^\omega)$	$\varphi(\omega, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(0)})$	$\varphi(\varepsilon_0, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\omega)})$	$\varphi(\varphi(\omega, 0), \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^{\psi(0)})})$	$\varphi(\varphi(\varepsilon_0, 0), \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})$	$\varphi(\Gamma_0, 1)$ $\varphi(\varphi(1, 0, 0), 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot 2)$	$\varphi(\Gamma_0, 2)$ $\varphi(\varphi(1, 0, 0), 2)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot \psi(\Omega^\Omega))$	$\varphi(\Gamma_0, \Gamma_0)$ $\varphi(\varphi(1, 0, 0), \varphi(1, 0, 0))$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+1})$	$\varphi(\Gamma_0 + 1, 0)$ $\varphi(\varphi(1, 0, 0) + 1, 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+\omega})$	$\varphi(\Gamma_0 + \omega, 0)$ $\varphi(\varphi(1, 0, 0) + \omega, 0)$

Madore's OCF	Veblen 函数
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega) \cdot 2})$	$\varphi(\Gamma_0 \cdot 2, 0)$ $\varphi(\varphi(1, 0, 0) \cdot 2, 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega + 1)})$	$\varphi(\varepsilon_{\Gamma_0 + 1}, 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})})$	$\varphi(\varphi(\Gamma_0, 1), 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega) + 1})})$	$\varphi(\varphi(\Gamma_0 + 1, 0), 0)$
$\psi(\Omega^\Omega \cdot 2)$	$\Gamma_1$
$\psi(\Omega^\Omega \cdot 2 + \Omega^{\psi(\Omega^\Omega)})$	$\varphi(\Gamma_0, \Gamma_1 + 1)$
$\psi(\Omega^\Omega \cdot 2 + \Omega^{\psi(\Omega^\Omega \cdot 2)})$	$\varphi(\Gamma_1, 1)$
$\psi(\Omega^\Omega \cdot 3)$	$\Gamma_2$
$\psi(\Omega^\Omega \cdot 4)$	$\Gamma_3$
$\psi(\Omega^\Omega \cdot \omega)$	$\Gamma_\omega$
$\psi(\Omega^\Omega \cdot \psi(0))$	$\Gamma_{\varepsilon_0}$
$\psi(\Omega^\Omega \cdot \psi(\Omega^\Omega))$	$\Gamma_{\Gamma_0}$
$\psi(\Omega^{\Omega+1})$	$\varphi(1, 1, 0)$
$\psi(\Omega^{\Omega+1} + \Omega^\omega)$	$\varphi(\omega, \varphi(1, 1, 0) + 1)$
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^\Omega)})$	$\varphi(\Gamma_0, \varphi(1, 1, 0) + 1)$
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^{\Omega+1})})$	$\varphi(\varphi(1, 1, 0), 1)$
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^{\Omega+1}) + 1})$	$\varphi(\varphi(1, 1, 0) + 1, 1)$
$\psi(\Omega^{\Omega+1} + \Omega^\Omega)$	$\Gamma_{\varphi(1, 1, 0) + 1}$
$\psi(\Omega^{\Omega+1} + \Omega^\Omega \cdot \psi(\Omega^{\Omega+1} + \Omega^\Omega))$	$\Gamma_{\Gamma_{\varphi(1, 1, 0) + 1}}$
$\psi(\Omega^{\Omega+1} \cdot 2)$	$\varphi(1, 1, 1)$
$\psi(\Omega^{\Omega+1} \cdot 3)$	$\varphi(1, 1, 2)$
$\psi(\Omega^{\Omega+1} \cdot \omega)$	$\varphi(1, 1, \omega)$
$\psi(\Omega^{\Omega+2})$	$\varphi(1, 2, 0)$
$\psi(\Omega^{\Omega+2} + \Omega^{\psi(\Omega^{\Omega+2}) + 1})$	$\varphi(\varphi(1, 2, 0) + 1, 0)$
$\psi(\Omega^{\Omega+2} + \Omega^\Omega)$	$\Gamma_{\varphi(1, 2, 0) + 1}$
$\psi(\Omega^{\Omega+2} + \Omega^\Omega \psi(\Omega^{\Omega+2} + \Omega^\Omega))$	$\Gamma_{\Gamma_{\varphi(1, 2, 0) + 1}}$

Madore's OCF	Veblen 函数
$\psi(\Omega^{\Omega+2} + \Omega^{\Omega+1})$	$\varphi(1, 1, \varphi(1, 2, 0) + 1)$
$\psi(\Omega^{\Omega+2} \cdot 2)$	$\varphi(1, 2, 1)$
$\psi(\Omega^{\Omega+2} \cdot \psi(\Omega^{\Omega+2}))$	$\varphi(1, 2, \varphi(1, 2, 0))$
$\psi(\Omega^{\Omega+3})$	$\varphi(1, 3, 0)$
$\psi(\Omega^{\Omega+3} \cdot 2)$	$\varphi(1, 3, 1)$
$\psi(\Omega^{\Omega+4})$	$\varphi(1, 4, 0)$
$\psi(\Omega^{\Omega+\omega})$	$\varphi(1, \omega, 0)$
$\psi(\Omega^{\Omega+\psi(\Omega^\Omega)})$	$\varphi(1, \varphi(1, 0, 0), 0)$
$\psi(\Omega^{\Omega+\psi(\Omega^{\Omega+\psi(\Omega^\Omega)})})$	$\varphi(1, \varphi(1, \varphi(1, 0, 0), 0), 0)$
$\psi(\Omega^{\Omega \cdot 2})$	$\varphi(2, 0, 0)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\psi(\Omega^{\Omega \cdot 2})+1})$	$\varphi(\varphi(2, 0, 0) + 1, 0)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^\Omega)$	$\varphi(1, 0, \varphi(2, 0, 0) + 1)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\omega})$	$\varphi(1, \omega, \varphi(2, 0, 0) + 1)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\psi(\Omega^{\Omega \cdot 2})})$	$\varphi(1, \varphi(2, 0, 0), 1)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\psi(\Omega^{\Omega \cdot 2})+1})$	$\varphi(1, \varphi(2, 0, 0) + 1, 1)$
$\psi(\Omega^{\Omega \cdot 2} \cdot 2)$	$\varphi(2, 0, 1)$
$\psi(\Omega^{\Omega \cdot 2} \cdot \psi(\Omega^{\Omega \cdot 2}))$	$\varphi(2, 0, \varphi(2, 0, 0))$
$\psi(\Omega^{\Omega \cdot 2+1})$	$\varphi(2, 1, 0)$
$\psi(\Omega^{\Omega \cdot 2+1} \cdot 2)$	$\varphi(2, 1, 1)$
$\psi(\Omega^{\Omega \cdot 2+\psi(\Omega^{\Omega \cdot 2})})$	$\varphi(2, \varphi(2, 2, 0), 0)$
$\psi(\Omega^{\Omega \cdot 3})$	$\varphi(2, \varphi(3, 0, 0), 0)$
$\psi(\Omega^{\Omega \cdot 3} + \Omega^{\psi(\Omega^{\Omega \cdot 3})})$	$\varphi(\varphi(3, 0, 0), 1)$
$\psi(\Omega^{\Omega \cdot 3} + \Omega^{\Omega+\psi(\Omega^{\Omega \cdot 3})})$	$\varphi(1, \varphi(3, 0, 0), 1)$
$\psi(\Omega^{\Omega \cdot 3} + \Omega^{\Omega \cdot 2+\psi(\Omega^{\Omega \cdot 3})})$	$\varphi(2, \varphi(3, 0, 0), 1)$
$\psi(\Omega^{\Omega \cdot 3} \cdot 2)$	$\varphi(3, 0, 1)$
$\psi(\Omega^{\Omega \cdot 3+1})$	$\varphi(3, 1, 0)$

Madore's OCF	Veblen 函数
$\psi(\Omega^{\Omega \cdot 4})$	$\varphi(4, 0, 0)$
$\psi(\Omega^{\Omega \cdot 5})$	$\varphi(5, 0, 0)$
$\psi(\Omega^{\Omega \cdot \omega})$	$\varphi(\omega, 0, 0)$
$\psi(\Omega^{\Omega \cdot \psi(0)})$	$\varphi(\varepsilon_0, 0, 0)$
$\psi(\Omega^{\Omega \cdot \psi(\Omega^\Omega)})$	$\varphi(\varphi(1, 0, 0), 0, 0)$
$\psi(\Omega^{\Omega^2})$	$\varphi(1, 0, 0, 0)$ $\varphi(1@3)$
$\psi(\Omega^{\Omega^2} + \Omega^{\psi(\Omega^{\Omega^2})})$	$\varphi(\varphi(1, 0, 0, 0), 1)$ $\varphi(\varphi(1@3)@1, 1)$
$\psi(\Omega^{\Omega^2} + \Omega^\Omega)$	$\varphi(1, 0, \varphi(1, 0, 0, 0) + 1)$ $\varphi(1@2, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega+1})$	$\varphi(1, 1, \varphi(1, 0, 0, 0) + 1)$ $\varphi(1@2, 1@1, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega+\omega})$	$\varphi(1, \omega, \varphi(1, 0, 0, 0) + 1)$ $\varphi(1@2, \omega@1, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega+\psi(\Omega^{\Omega^2})})$	$\varphi(1, \varphi(1, 0, 0, 0), 1)$ $\varphi(1@2, \varphi(1@3)@1, 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot 2})$	$\varphi(2, 0, \varphi(1, 0, 0, 0) + 1)$ $\varphi(2@2, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot 2 + \psi(\Omega^{\Omega^2})})$	$\varphi(2, \varphi(1, 0, 0, 0), 1)$ $\varphi(2@2, \varphi(1@3)@1, 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot 3})$	$\varphi(3, 0, \varphi(1, 0, 0, 0) + 1)$ $\varphi(3@2, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^\Omega)})$	$\varphi(\Gamma_0, 0, \varphi(1, 0, 0, 0) + 1)$ $\varphi(\Gamma_0@2, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2})})$	$\varphi(\varphi(1, 0, 0, 0), 0, 1)$ $\varphi(\varphi(1@3)@2, 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2})+1})$	$\varphi(\varphi(1, 0, 0, 0), 1, 0)$ $\varphi(\varphi(1@3)@2, 1@1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2})+\Omega})$	$\varphi(\varphi(1, 0, 0, 0) + 1, 0, 0)$ $\varphi(\varphi(1@3) + 1@2)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2}) \cdot 2})$	$\varphi(\varphi(1, 0, 0, 0)2, 0, 0)$ $\varphi(\varphi(1@3)2@2)$
$\psi(\Omega^{\Omega^2} \cdot 2)$	$\varphi(1, 0, 0, 1)$ $\varphi(1@3, 1)$

Madore's OCF	Veblen 函数
$\psi\left(\Omega^{\Omega^2+1}\right)$	$\varphi(1, 0, 1, 0)$ $\varphi(1@3, 1@1)$
$\psi\left(\Omega^{\Omega^2+\psi\left(\Omega^{\Omega^2}\right)}\right)$	$\varphi(1, 0, \varphi(1, 0, 0, 0), 0)$ $\varphi(1@3, \varphi(1@3)@1)$
$\psi\left(\Omega^{\Omega^2+\Omega}\right)$	$\varphi(1, 1, 0, 0)$ $\varphi(1@3, 1@2)$
$\psi\left(\Omega^{\Omega^2+\Omega} + \Omega^{\Omega^2+\psi\left(\Omega^{\Omega^2+\Omega}\right) \cdot 2}\right)$	$\varphi(1, 0, \varphi(1, 1, 0, 0)2, 0)$ $\varphi(1@3, \varphi(1@3, 1@2)2@1)$
$\psi\left(\Omega^{\Omega^2+\Omega} \cdot 2\right)$	$\varphi(1, 1, 0, 1)$ $\varphi(1@3, 1@2, 1)$
$\psi\left(\Omega^{\Omega^2+\Omega+1}\right)$	$\varphi(1, 1, 1, 0)$ $\varphi(1@3, 1@2, 1@1)$
$\psi\left(\Omega^{\Omega^2+\Omega \cdot 2}\right)$	$\varphi(1, 2, 0, 0)$ $\varphi(1@3, 2@2)$
$\psi\left(\Omega^{\Omega^2+\Omega \cdot \psi\left(\Omega^{\Omega^2}\right)}\right)$	$\varphi(1, \varphi(1, 0, 0, 0), 0, 0)$ $\varphi(1@3, \varphi(1@3)@2)$
$\psi\left(\Omega^{\Omega^2 \cdot 2}\right)$	$\varphi(2, 0, 0, 0)$ $\varphi(2@3)$
$\psi\left(\Omega^{\Omega^2} + \Omega^{\Omega^2+\Omega \cdot \psi\left(\Omega^{\Omega^2}\right)}\right)$	$\varphi(1, \varphi(2, 0, 0, 0), 0, 1)$ $\varphi(1@3, \varphi(2@3)@2, 1)$
$\psi\left(\Omega^{\Omega^2 \cdot 2} \cdot 2\right)$	$\varphi(2, 0, 0, 1)$ $\varphi(2@3, 1)$
$\psi\left(\Omega^{\Omega^2 \cdot 2+1}\right)$	$\varphi(2, 0, 1, 0)$ $\varphi(2@3, 1@1)$
$\psi\left(\Omega^{\Omega^2 \cdot 2+1} \cdot 2\right)$	$\varphi(2, 0, 2, 1)$ $\varphi(2@3, 2@1, 1)$
$\psi\left(\Omega^{\Omega^2 \cdot 2+\Omega}\right)$	$\varphi(2, 1, 0, 0)$ $\varphi(2@3, 1@2)$
$\psi\left(\Omega^{\Omega^2 \cdot 3}\right)$	$\varphi(2, 1, 0, 0)$ $\varphi(2@3, 1@2)$
$\psi\left(\Omega^{\Omega^2 \cdot \psi\left(\Omega^{\Omega^2}\right)}\right)$	$\varphi(\varphi(1, 0, 0, 0), 0, 0, 0)$ $\varphi(\varphi(1@3)@3)$
$\psi\left(\Omega^{\Omega^3}\right)$	$\varphi(1, 0, 0, 0, 0)$ $\varphi(1@4)$
$\psi\left(\Omega^{\Omega^3} + \Omega^{\psi\left(\Omega^{\Omega^3}\right)}\right)$	$\varphi(\varphi(1, 0, 0, 0, 0), 1)$ $\varphi(\varphi(1@4)@1, 1)$

Madore's OCF	Veblen 函数
$\psi\left(\Omega^{\Omega^3} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^3})}\right)$	$\varphi(\varphi(1, 0, 0, 0, 0), 0, 1)$ $\varphi(\varphi(1@4)@2, 1)$
$\psi\left(\Omega^{\Omega^3} + \Omega^{\Omega^2 \cdot \psi(\Omega^{\Omega^3})}\right)$	$\varphi(\varphi(1, 0, 0, 0, 0), 0, 0, 1)$ $\varphi(\varphi(1@4)@3, 1)$
$\psi\left(\Omega^{\Omega^3} \cdot 2\right)$	$\varphi(1, 0, 0, 0, 1)$ $\varphi(1@4, 1)$
$\psi\left(\Omega^{\Omega^3+1}\right)$	$\varphi(1, 0, 0, 1, 0)$ $\varphi(1@4, 1@1)$
$\psi\left(\Omega^{\Omega^3+\Omega}\right)$	$\varphi(1, 0, 1, 0, 0)$ $\varphi(1@4, 1@2)$
$\psi\left(\Omega^{\Omega^3+\Omega^2}\right)$	$\varphi(1, 1, 0, 0, 0)$ $\varphi(1@4, 1@3)$
$\psi\left(\Omega^{\Omega^3 \cdot 2}\right)$	$\varphi(2, 0, 0, 0, 0)$ $\varphi(2@4)$
$\psi\left(\Omega^{\Omega^4}\right)$	$\varphi(1, 0, 0, 0, 0, 0)$ $\varphi(1@5)$
$\psi\left(\Omega^{\Omega^5}\right)$	$\varphi(1, 0, 0, 0, 0, 0, 0)$ $\varphi(1@6)$
$\psi\left(\Omega^{\Omega^6}\right)$	$\varphi(1, 0, 0, 0, 0, 0, 0, 0)$ $\varphi(1@7)$
$\psi\left(\Omega^{\Omega^\omega}\right)$	$\varphi(1@ \omega)$
$\psi\left(\Omega^{\Omega^\omega} + 1\right)$	$\varphi(1@1, \varphi(1@ \omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^\Omega\right)$	$\varphi(1@2, \varphi(1@ \omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^2}\right)$	$\varphi(1@3, \varphi(1@ \omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^3}\right)$	$\varphi(1@4, \varphi(1@ \omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^4}\right)$	$\varphi(1@5, \varphi(1@ \omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^5}\right)$	$\varphi(1@6, \varphi(1@ \omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} \cdot 2\right)$	$\varphi(1@ \omega, 1)$
$\psi\left(\Omega^{\Omega^\omega+1}\right)$	$\varphi(1@ \omega, 1@1)$
$\psi\left(\Omega^{\Omega^\omega+\psi(\Omega^{\Omega^\omega})}\right)$	$\varphi(1@ \omega, \varphi(1@ \omega)@1)$
$\psi\left(\Omega^{\Omega^\omega+\Omega}\right)$	$\varphi(1@ \omega, 1@2)$
$\psi\left(\Omega^{\Omega^\omega+\Omega \cdot \psi(\Omega^{\Omega^\omega})}\right)$	$\varphi(1@ \omega, \varphi(1@ \omega)@2)$

Madore's OCF	Veblen 函数
$\psi\left(\Omega^{\Omega^\omega+\Omega^2}\right)$	$\varphi(1@ \omega, 1@3)$
$\psi\left(\Omega^{\Omega^\omega+\Omega^3}\right)$	$\varphi(1@ \omega, 1@4)$
$\psi\left(\Omega^{\Omega^\omega+\Omega^4}\right)$	$\varphi(1@ \omega, 1@5)$
$\psi\left(\Omega^{\Omega^\omega \cdot 2}\right)$	$\varphi(2@ \omega)$
$\psi\left(\Omega^{\Omega^\omega \cdot \psi(\Omega^{\Omega^\omega})}\right)$	$\varphi(\varphi(1@ \omega)@ \omega)$
$\psi\left(\Omega^{\Omega^{\omega+1}}\right)$	$\varphi(1@ \omega + 1)$
$\psi\left(\Omega^{\Omega^{\omega+1}} + \Omega^{\Omega^\omega}\right)$	$\varphi(\varphi(1@ \omega + 1)@ \omega, 1)$
$\psi\left(\Omega^{\Omega^{\omega+1}} \cdot 2\right)$	$\varphi(1@ \omega + 1, 1)$
$\psi\left(\Omega^{\Omega^{\omega+1}+1}\right)$	$\varphi(1@ \omega + 1, 1@1)$
$\psi\left(\Omega^{\Omega^{\omega+1}+\Omega}\right)$	$\varphi(1@ \omega + 1, 1@2)$
$\psi\left(\Omega^{\Omega^{\omega+1}+\Omega^\omega}\right)$	$\varphi(1@ \omega + 1, 1@ \omega)$
$\psi\left(\Omega^{\Omega^{\omega+1} \cdot 2}\right)$	$\varphi(2@ \omega + 1)$
$\psi\left(\Omega^{\Omega^{\omega+2}}\right)$	$\varphi(1@ \omega + 2)$
$\psi\left(\Omega^{\Omega^{\omega+3}}\right)$	$\varphi(1@ \omega + 3)$
$\psi\left(\Omega^{\Omega^{\omega \cdot 2}}\right)$	$\varphi(1@ \omega \cdot 2)$
$\psi\left(\Omega^{\Omega^{\omega^2}}\right)$	$\varphi(1@ \omega^2)$
$\psi\left(\Omega^{\Omega^{\psi(0)}}$	$\varphi(1@ \varepsilon_0)$
$\psi\left(\Omega^{\Omega^{\psi(\Omega)}}$	$\varphi(1@ \zeta_0)$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^\Omega)}}$	$\varphi(1@ \Gamma_0)$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega^2})}}$	$\varphi(1@ \varphi(1@3))$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega^\omega})}}$	$\varphi(1@ \varphi(1@ \omega))$
$\psi\left(\Omega^{\Omega^\Omega}\right)$	$\varphi(1@ (1, 0))$
$\psi\left(\Omega^{\Omega^\Omega} + \Omega^{\psi(\Omega^{\Omega^\Omega})}\right)$	$\varphi(\varphi(1@ (1, 0))@1, 1)$
$\psi\left(\Omega^{\Omega^\Omega} + \Omega^{\Omega^\omega \cdot \psi(\Omega^{\Omega^\Omega})}\right)$	$\varphi(\varphi(1@ (1, 0))@ \omega, 1)$
$\psi\left(\Omega^{\Omega^\Omega} \cdot 2\right)$	$\varphi(1@ (1, 0), 1)$
$\psi\left(\Omega^{\Omega^\Omega+1}\right)$	$\varphi(1@ (1, 0), 1@1)$



Madore's OCF	Veblen 函数
$\psi\left(\Omega^{\Omega^{\Omega}+\Omega^{\omega}}\right)$	$\varphi(1@(1,0),1@{\omega})$
$\psi\left(\Omega^{\Omega^{\Omega}\cdot 2}\right)$	$\varphi(2@(1,0))$
$\psi\left(\Omega^{\Omega^{\Omega}\cdot\psi\left(\Omega^{\Omega^{\Omega}}\right)}\right)$	$\varphi(\varphi(1@(1,0))@(1,0))$
$\psi\left(\Omega^{\Omega^{\Omega+1}}\right)$	$\varphi(1@(1,1))$
$\psi\left(\Omega^{\Omega^{\Omega+1}+\Omega^{\Omega^{\Omega}\cdot\psi\left(\Omega^{\Omega^{\Omega+1}}\right)}}\right)$	$\varphi(\varphi(1@(1,1))@(1,0),1)$
$\psi\left(\Omega^{\Omega^{\Omega+1}\cdot 2}\right)$	$\varphi(2@(1,1))$
$\psi\left(\Omega^{\Omega^{\Omega+2}}\right)$	$\varphi(1@(1,2))$
$\psi\left(\Omega^{\Omega^{\Omega+\omega}}\right)$	$\varphi(1@(1,{\omega}))$
$\psi\left(\Omega^{\Omega^{\Omega+\psi\left(\Omega^{\Omega^{\Omega}}\right)}}\right)$	$\varphi(1@(1,\varphi(1@(1,0))))$
$\psi\left(\Omega^{\Omega^{\Omega\cdot 2}}\right)$	$\varphi(1@(2,0))$
$\psi\left(\Omega^{\Omega^{\Omega\cdot 2+\psi\left(\Omega^{\Omega^{\Omega\cdot 2}}\right)}}\right)$	$\varphi(1@(2,\varphi(1@(2,0))))$
$\psi\left(\Omega^{\Omega^{\Omega\cdot 3}}\right)$	$\varphi(1@(3,0))$
$\psi\left(\Omega^{\Omega^{\Omega\cdot\omega}}\right)$	$\varphi(1@({\omega},0))$
$\psi\left(\Omega^{\Omega^{\Omega\cdot\psi\left(\Omega^{\Omega^{\Omega}}\right)}}\right)$	$\varphi(1@(\varphi(1@(1,0)),0))$
$\psi\left(\Omega^{\Omega^{\Omega^2}}\right)$	$\varphi(1@(1,0,0))$
$\psi\left(\Omega^{\Omega^{\Omega^2}\cdot 2}\right)$	$\varphi(2@(1,0,0))$
$\psi\left(\Omega^{\Omega^{\Omega^2+1}}\right)$	$\varphi(1@(1,0,1))$
$\psi\left(\Omega^{\Omega^{\Omega^2+\Omega}}\right)$	$\varphi(1@(1,1,0))$
$\psi\left(\Omega^{\Omega^{\Omega^2}\cdot 2}\right)$	$\varphi(1@(2,0,0))$
$\psi\left(\Omega^{\Omega^{\Omega^3}}\right)$	$\varphi(1@(1,0,0,0))$ $\varphi(1@(1@3))$
$\psi\left(\Omega^{\Omega^{\Omega^3}\cdot 2}\right)$	$\varphi(1@(2@3))$
$\psi\left(\Omega^{\Omega^{\Omega^4}}\right)$	$\varphi(1@(1@4))$
$\psi\left(\Omega^{\Omega^{\Omega^{\omega}}}\right)$	$\varphi(1@(1@{\omega}))$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega}}}\right)$	$\varphi(1@(1@(1,0)))$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega}}+1}\right)$	$\varphi(1@1,\varphi(1@(1@(1,0))))+1)$

Madore's OCF	Veblen 函数
$\psi\left(\Omega^{\Omega^{\Omega}} \cdot 2\right)$	$\varphi(1@(1@(1,0)),1)$
$\psi\left(\Omega^{\Omega^{\Omega}+1}\right)$	$\varphi(1@(1@(1,0)),1@1)$
$\psi\left(\Omega^{\Omega^{\Omega} \cdot 2}\right)$	$\varphi(2@(1@(1,0)))$
$\psi\left(\Omega^{\Omega^{\Omega}+1}\right)$	$\varphi(1@(1@(1,0),1))$
$\psi\left(\Omega^{\Omega^{\Omega} \cdot 2}\right)$	$\varphi(1@(2@(1,0)))$
$\psi\left(\Omega^{\Omega^{\Omega}+1}\right)$	$\varphi(1@(1@(1,1)))$
$\psi\left(\Omega^{\Omega^{\Omega} \cdot 2}\right)$	$\varphi(1@(1@(2,0)))$
$\psi\left(\Omega^{\Omega^{\Omega^2}}\right)$	$\varphi(1@(1@(1,0,0)))$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega}}}\right)$	$\varphi(1@(1@(1@(1,0))))$
$\psi(\psi_1(0))$	$\varphi(1@(1, , 0))$

## A.5 BOCF vs Cantor 式/Veblen 函数

本节的结果主要引自<sup>[1]</sup>。

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(0)$	1
$\psi(0) \cdot 2$	2
$\psi(0) \cdot 3$	3
$\psi(1)$	$\omega$
$\psi(1) + \psi(0)$	$\omega + 1$
$\psi(1) + \psi(0) \cdot 2$	$\omega + 2$
$\psi(1) + \psi(0) \cdot 5$	$\omega + 5$
$\psi(1) \cdot 2$	$\omega \cdot 2$
$\psi(1) \cdot 2 + \psi(0)$	$\omega \cdot 2 + 1$
$\psi(1) \cdot 3$	$\omega \cdot 3$
$\psi(2)$	$\omega^2$
$\psi(2) + 1$	$\omega^2 + 1$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(2) + 2$	$\omega^2 + 2$
$\psi(2) + \psi(1)$	$\omega^2 + \omega$
$\psi(2) + \psi(1) + \psi(0)$	$\omega^2 + \omega + 1$
$\psi(2) + \psi(1) \cdot 2$	$\omega^2 + \omega \cdot 2$
$\psi(2) \cdot 2 + \psi(1)$	$\omega^2 \cdot 2 + \omega$
$\psi(2) \cdot 3$	$\omega^2 \cdot 3$
$\psi(3)$	$\omega^3$
$\psi(3) + 1$	$\omega^3 + 1$
$\psi(3) + \psi(1)$	$\omega^3 + \omega$
$\psi(3) + \psi(2)$	$\omega^3 + \omega^2$
$\psi(3) \cdot 2$	$\omega^3 \cdot 2$
$\psi(3) \cdot 3$	$\omega^3 \cdot 3$
$\psi(4)$	$\omega^4$
$\psi(4) \cdot 2$	$\omega^4 \cdot 2$
$\psi(5)$	$\omega^5$
$\psi(\psi(1))$	$\omega^\omega$
$\psi(\psi(1)) + \psi(0)$	$\omega^\omega + 1$
$\psi(\psi(1)) + \psi(0) \cdot 2$	$\omega^\omega + 2$
$\psi(\psi(1)) + \psi(1)$	$\omega^\omega + \omega$
$\psi(\psi(1)) + \psi(1) \cdot 2$	$\omega^\omega + \omega \cdot 2$
$\psi(\psi(1)) + \psi(2)$	$\omega^\omega + \omega^2$
$\psi(\psi(1)) + \psi(3)$	$\omega^\omega + \omega^3$
$\psi(\psi(1)) \cdot 2$	$\omega^\omega \cdot 2$
$\psi(\psi(1)) \cdot 3$	$\omega^\omega \cdot 3$
$\psi(\psi(1) + 1)$	$\omega^{\omega+1}$
$\psi(\psi(1) + 1) + \psi(0)$	$\omega^{\omega+1} + 1$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\psi(1) + 1) + \psi(1)$	$\omega^{\omega+1} + \omega$
$\psi(\psi(1) + 1) + \psi(2)$	$\omega^{\omega+1} + \omega^2$
$\psi(\psi(1) + 1) + \psi(3)$	$\omega^{\omega+1} + \omega^3$
$\psi(\psi(1) + 1) + \psi(\psi(1))$	$\omega^{\omega+1} + \omega^\omega$
$\psi(\psi(1) + 1) + \psi(\psi(1)) \cdot 2$	$\omega^{\omega+1} + \omega^\omega \cdot 2$
$\psi(\psi(1) + 1) \cdot 2$	$\omega^{\omega+1} \cdot 2$
$\psi(\psi(1) + 1) \cdot 3$	$\omega^{\omega+1} \cdot 3$
$\psi(\psi(1) + 2)$	$\omega^{\omega+2}$
$\psi(\psi(1) + 2) + \psi(\psi(1))$	$\omega^{\omega+2} + \omega^\omega$
$\psi(\psi(1) + 2) + \psi(\psi(1) + 1)$	$\omega^{\omega+2} + \omega^{\omega+1}$
$\psi(\psi(1) + 3)$	$\omega^{\omega+3}$
$\psi(\psi(1) + 4)$	$\omega^{\omega+4}$
$\psi(\psi(1) \cdot 2)$	$\omega^{\omega \cdot 2}$
$\psi(\psi(1) \cdot 2) + \psi(1)$	$\omega^{\omega \cdot 2} + \omega$
$\psi(\psi(1) \cdot 2) + \psi(\psi(1))$	$\omega^{\omega \cdot 2} + \omega^\omega$
$\psi(\psi(1) \cdot 2) + \psi(\psi(1) + 1)$	$\omega^{\omega \cdot 2} + \omega^{\omega+1}$
$\psi(\psi(1) \cdot 2) + \psi(\psi(1) + 2)$	$\omega^{\omega \cdot 2} + \omega^{\omega+2}$
$\psi(\psi(1) \cdot 2) \cdot 2$	$\omega^{\omega \cdot 2} \cdot 2$
$\psi(\psi(1) \cdot 2 + 1)$	$\omega^{\omega \cdot 2+1}$
$\psi(\psi(1) \cdot 2 + 1) \cdot 2$	$\omega^{\omega \cdot 2+1} \cdot 2$
$\psi(\psi(1) \cdot 2 + 2)$	$\omega^{\omega \cdot 2+2}$
$\psi(\psi(1) \cdot 2 + 3)$	$\omega^{\omega \cdot 2+3}$
$\psi(\psi(1) \cdot 3)$	$\omega^{\omega \cdot 3}$
$\psi(\psi(1) \cdot 3 + 1)$	$\omega^{\omega \cdot 3+1}$
$\psi(\psi(1) \cdot 4)$	$\omega^{\omega \cdot 4}$
$\psi(\psi(2))$	$\omega^{\omega^2}$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\psi(2)) \cdot 2$	$\omega^{\omega^2} \cdot 2$
$\psi(\psi(2) + 1)$	$\omega^{\omega^2+1}$
$\psi(\psi(2) + 2)$	$\omega^{\omega^2+2}$
$\psi(\psi(2) + \psi(1))$	$\omega^{\omega^2+\omega}$
$\psi(\psi(2) + \psi(1) + 1)$	$\omega^{\omega^2+\omega+1}$
$\psi(\psi(2) + \psi(1) \cdot 2)$	$\omega^{\omega^2+\omega \cdot 2}$
$\psi(\psi(2) + \psi(1) \cdot 3)$	$\omega^{\omega^2+\omega \cdot 3}$
$\psi(\psi(2) \cdot 2)$	$\omega^{\omega^2 \cdot 2}$
$\psi(\psi(2) \cdot 3)$	$\omega^{\omega^2 \cdot 3}$
$\psi(\psi(3))$	$\omega^{\omega^3}$
$\psi(\psi(3) + 1)$	$\omega^{\omega^3+1}$
$\psi(\psi(3) + \psi(1))$	$\omega^{\omega^3+\omega}$
$\psi(\psi(3) + \psi(2))$	$\omega^{\omega^3+\omega^2}$
$\psi(\psi(3) \cdot 2)$	$\omega^{\omega^3 \cdot 2}$
$\psi(\psi(4))$	$\omega^{\omega^4}$
$\psi(\psi(4) \cdot 2)$	$\omega^{\omega^4 \cdot 2}$
$\psi(\psi(5))$	$\omega^{\omega^5}$
$\psi(\psi(\psi(1)))$	$\omega^{\omega^\omega}$
$\psi(\psi(\psi(1))) + \psi(1)$	$\omega^{\omega^\omega} + \omega$
$\psi(\psi(\psi(1))) + \psi(\psi(1))$	$\omega^{\omega^\omega} + \omega^\omega$
$\psi(\psi(\psi(1))) \cdot 2$	$\omega^{\omega^\omega} \cdot 2$
$\psi(\psi(\psi(1)) + 1)$	$\omega^{\omega^\omega+1}$
$\psi(\psi(\psi(1)) + \psi(1))$	$\omega^{\omega^\omega+\omega}$
$\psi(\psi(\psi(1)) \cdot 2)$	$\omega^{\omega^\omega \cdot 2}$
$\psi(\psi(\psi(1) + 1))$	$\omega^{\omega^\omega+1}$
$\psi(\psi(\psi(1) \cdot 2))$	$\omega^{\omega^\omega \cdot 2}$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\psi(\psi(2)))$	$\omega^{\omega^{\omega^2}}$
$\psi(\psi(\psi(\psi(1))))$	$\omega^{\omega^{\omega^{\omega}}}$
$\psi(\psi(\psi(\psi(1)))) + 1$	$\omega^{\omega^{\omega^{\omega}}} + 1$
$\psi(\psi(\psi(\psi(1))) + 1)$	$\omega^{\omega^{\omega^{\omega}} + 1}$
$\psi(\psi(\psi(\psi(1)) + 1))$	$\omega^{\omega^{\omega^{\omega} + 1}}$
$\psi(\psi(\psi(\psi(1) + 1)))$	$\omega^{\omega^{\omega^{\omega} + 1}}$
$\psi(\psi(\psi(\psi(2))))$	$\omega^{\omega^{\omega^{\omega^2}}}$
$\psi(\psi(\psi(\psi(\psi(1)))))$	$\omega^{\omega^{\omega^{\omega^{\omega}}}}$
$\psi(\Omega)$	$\varepsilon_0$
$\psi(\Omega) + \psi(0)$	$\varepsilon_0 + 1$
$\psi(\Omega) + \psi(1)$	$\varepsilon_0 + \omega$
$\psi(\Omega) + \psi(\psi(1))$	$\varepsilon_0 + \omega^{\omega}$
$\psi(\Omega) + \psi(\psi(\psi(1)))$	$\varepsilon_0 + \omega^{\omega^{\omega}}$
$\psi(\Omega) \cdot 2$	$\varepsilon_0 \cdot 2$
$\psi(\Omega) \cdot 3$	$\varepsilon_0 \cdot 3$
$\psi(\Omega + 1)$	$\varepsilon_0 \cdot \omega$ $\omega^{\varepsilon_0 + 1}$
$\psi(\Omega + 1) + \psi(1)$	$\varepsilon_0 \cdot \omega + \omega$ $\omega^{\varepsilon_0 + 1} + \omega$
$\psi(\Omega + 1) + \psi(\psi(1))$	$\varepsilon_0 \cdot \omega + \omega^{\omega}$ $\omega^{\varepsilon_0 + 1} + \omega^{\omega}$
$\psi(\Omega + 1) \cdot 2$	$\varepsilon_0 \cdot \omega \cdot 2$ $\omega^{\varepsilon_0 + 1} \cdot 2$
$\psi(\Omega + 2)$	$\varepsilon_0 \cdot \omega^2$ $\omega^{\varepsilon_0 + 2}$
$\psi(\Omega + 2) \cdot 2$	$\varepsilon_0 \cdot \omega^2 \cdot 2$ $\omega^{\varepsilon_0 + 2} \cdot 2$
$\psi(\Omega + 3)$	$\varepsilon_0 \cdot \omega^3$ $\omega^{\varepsilon_0 + 3}$
$\psi(\Omega + \psi(1))$	$\varepsilon_0 \cdot \omega^{\omega}$ $\omega^{\varepsilon_0 + \omega}$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega + \psi(2))$	$\varepsilon_0 \cdot \omega^{\omega^2}$ $\omega^{\varepsilon_0 + \omega^2}$
$\psi(\Omega + \psi(\psi(1)))$	$\varepsilon_0 \cdot \omega^{\omega^\omega}$ $\omega^{\varepsilon_0 + \omega^\omega}$
$\psi(\Omega + \psi(\Omega))$	$\varepsilon_0^2$ $\omega^{\varepsilon_0 \cdot 2}$
$\psi(\Omega + \psi(\Omega)) + \psi(1)$	$\varepsilon_0^2 + \omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega$
$\psi(\Omega + \psi(\Omega)) + \psi(\psi(1))$	$\varepsilon_0^2 + \omega^\omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega^\omega$
$\psi(\Omega + \psi(\Omega)) + \psi(\Omega)$	$\varepsilon_0^2 + \varepsilon_0$ $\omega^{\varepsilon_0 \cdot 2} + \varepsilon_0$
$\psi(\Omega + \psi(\Omega)) + \psi(\Omega + 1)$	$\varepsilon_0^2 + \varepsilon_0 \cdot \omega$ $\omega^{\varepsilon_0 \cdot 2} + \omega^{\varepsilon_0 + 1}$
$\psi(\Omega + \psi(\Omega)) \cdot 2$	$\varepsilon_0^2 \cdot 2$ $\omega^{\varepsilon_0 \cdot 2} \cdot 2$
$\psi(\Omega + \psi(\Omega) + 1)$	$\varepsilon_0^2 \cdot \omega$ $\omega^{\varepsilon_0 \cdot 2 + 1}$
$\psi(\Omega + \psi(\Omega) + \psi(1))$	$\varepsilon_0^2 \cdot \omega^\omega$ $\omega^{\varepsilon_0 \cdot 2 + \omega}$
$\psi(\Omega + \psi(\Omega) \cdot 2)$	$\varepsilon_0^3$ $\omega^{\varepsilon_0 \cdot 3}$
$\psi(\Omega + \psi(\Omega) \cdot 3)$	$\varepsilon_0^4$ $\omega^{\varepsilon_0 \cdot 4}$
$\psi(\Omega + \psi(\Omega + 1))$	$\varepsilon_0^\omega$ $\omega^{\omega^{\varepsilon_0 + 1}}$
$\psi(\Omega + \psi(\Omega + 1)) \cdot 2$	$\varepsilon_0^\omega \cdot 2$ $\omega^{\omega^{\varepsilon_0 + 1}} \cdot 2$
$\psi(\Omega + \psi(\Omega + 1) + 1)$	$\varepsilon_0^\omega \cdot \omega$ $\omega^{\omega^{\varepsilon_0 + 1} + 1}$
$\psi(\Omega + \psi(\Omega + 1) + \psi(1))$	$\varepsilon_0^\omega \cdot \omega^\omega$ $\omega^{\omega^{\varepsilon_0 + 1} + \omega}$
$\psi(\Omega + \psi(\Omega + 1) + \psi(\Omega))$	$\varepsilon_0^{\omega+1}$ $\omega^{\omega^{\varepsilon_0 + 1} + \varepsilon_0}$
$\psi(\Omega + \psi(\Omega + 1) + \psi(\Omega) \cdot 2)$	$\varepsilon_0^{\omega+2}$ $\omega^{\omega^{\varepsilon_0 + 1} + \varepsilon_0 \cdot 2}$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega + \psi(\Omega + 1) \cdot 2)$	$\varepsilon_0^{\omega \cdot 2}$ $\omega^{\omega^{\varepsilon_0+1} \cdot 2}$
$\psi(\Omega + \psi(\Omega + 2))$	$\varepsilon_0^{\omega^2}$ $\omega^{\omega^{\varepsilon_0+2}}$
$\psi(\Omega + \psi(\Omega + \psi(1)))$	$\omega^{\omega^{\varepsilon_0+\omega}}$
$\psi(\Omega + \psi(\Omega + \psi(\psi(1))))$	$\varepsilon_0^{\omega^\omega}$ $\omega^{\omega^{\varepsilon_0+\omega}}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)))$	$\omega^{\omega^{\varepsilon_0 \cdot 2}}$ $\varepsilon_0^{\varepsilon_0}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)) + 1)$	$\varepsilon_0^{\varepsilon_0} \cdot \omega$ $\omega^{\omega^{\varepsilon_0 \cdot 2} + 1}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)) + \psi(\Omega))$	$\varepsilon_0^{\varepsilon_0+1}$ $\omega^{\omega^{\varepsilon_0 \cdot 2} + \varepsilon_0}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)) + \psi(\Omega + 1))$	$\varepsilon_0^{\varepsilon_0+\omega}$ $\omega^{\omega^{\varepsilon_0 \cdot 2} + \omega^{\varepsilon_0+1}}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)) \cdot 2)$	$\varepsilon_0^{\varepsilon_0 \cdot 2}$ $\omega^{\omega^{\varepsilon_0 \cdot 2} \cdot 2}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega) + 1))$	$\varepsilon_0^{\varepsilon_0 \cdot \omega}$ $\omega^{\omega^{\varepsilon_0 \cdot 2} + 1}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega) \cdot 2))$	$\varepsilon_0^{\varepsilon_0^2}$ $\omega^{\omega^{\varepsilon_0 \cdot 3}}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega + 1)))$	$\varepsilon_0^{\varepsilon_0^\omega}$ $\omega^{\omega^{\omega^{\varepsilon_0+1}}}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega + \psi(\Omega))))$	$\varepsilon_0^{\varepsilon_0^{\varepsilon_0}}$ $\omega^{\omega^{\omega^{\varepsilon_0 \cdot 2}}}$
$\psi(\Omega \cdot 2)$	$\varepsilon_1$
$\psi(\Omega \cdot 2) + \psi(\Omega)$	$\varepsilon_1 + \varepsilon_0$
$\psi(\Omega \cdot 2) + \psi(\Omega + 1)$	$\varepsilon_1 + \varepsilon_0 \cdot \omega$ $\varepsilon_1 + \omega^{\varepsilon_0+1}$
$\psi(\Omega \cdot 2) + \psi(\Omega + \psi(\Omega + 1))$	$\varepsilon_1 + \varepsilon_0^\omega$ $\varepsilon_1 + \omega^{\omega^{\varepsilon_0}}$
$\psi(\Omega \cdot 2) \cdot 2$	$\varepsilon_1 \cdot 2$
$\psi(\Omega \cdot 2 + 1)$	$\varepsilon_1 \cdot \omega$ $\omega^{\varepsilon_1+1}$



Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega \cdot 2 + \psi(\Omega))$	$\varepsilon_1 \cdot \varepsilon_0$ $\omega^{\varepsilon_1 + \varepsilon_0}$
$\psi(\Omega \cdot 2 + \psi(\Omega + \psi(\Omega)))$	$\varepsilon_1 \cdot \varepsilon_0^2$ $\omega^{\varepsilon_1 + \omega^{\varepsilon_0 \cdot 2}}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2) \cdot 2)$	$\varepsilon_1^2$ $\omega^{\varepsilon_1 \cdot 2}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2) \cdot 3)$	$\varepsilon_1^3$ $\omega^{\varepsilon_1 \cdot 3}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + 1))$	$\varepsilon_1^\omega$ $\omega^{\omega^{\varepsilon_1 + 1}}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + \psi(\Omega)))$	$\varepsilon_1^{\varepsilon_0}$ $\omega^{\omega^{\varepsilon_1 + \varepsilon_0}}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + \psi(\Omega \cdot 2)))$	$\varepsilon_1^{\varepsilon_1}$ $\omega^{\omega^{\varepsilon_1 \cdot 2}}$
$\psi(\Omega \cdot 3)$	$\varepsilon_2$
$\psi(\Omega \cdot 3 + 1)$	$\varepsilon_2 \cdot \omega$ $\omega^{\varepsilon_2 + 1}$
$\psi(\Omega \cdot 3 + \psi(\Omega))$	$\varepsilon_2 \cdot \varepsilon_0$ $\omega^{\varepsilon_2 + \varepsilon_0}$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 2))$	$\varepsilon_2 \cdot \varepsilon_1$ $\omega^{\varepsilon_2 + \varepsilon_1}$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3))$	$\varepsilon_2^2$ $\omega^{\varepsilon_2 \cdot 2}$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3 + 1))$	$\varepsilon_2^\omega$ $\omega^{\omega^{\varepsilon_2 + 1}}$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3 + \psi(\Omega \cdot 3)))$	$\varepsilon_2^{\varepsilon_2}$ $\omega^{\omega^{\varepsilon_2 \cdot 2}}$
$\psi(\Omega \cdot 4)$	$\varepsilon_3$
$\psi(\Omega \cdot 4 + \psi(\Omega \cdot 4))$	$\varepsilon_3^2$ $\omega^{\varepsilon_3 \cdot 2}$
$\psi(\Omega \cdot 5)$	$\varepsilon_4$
$\psi(\Omega \cdot 6)$	$\varepsilon_5$
$\psi(\Omega \cdot \psi(1))$	$\varepsilon_\omega$
$\psi(\Omega \cdot \psi(1) + \psi(\Omega \cdot \psi(1)))$	$\varepsilon_\omega^2$ $\omega^{\varepsilon_\omega \cdot 2}$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega \cdot \psi(1) + \Omega)$	$\varepsilon_{\omega+1}$
$\psi(\Omega \cdot \psi(1) + \Omega \cdot 2)$	$\varepsilon_{\omega+2}$
$\psi(\Omega \cdot \psi(1) \cdot 2)$	$\varepsilon_{\omega \cdot 2}$
$\psi(\Omega \cdot \psi(2))$	$\varepsilon_{\omega^2}$
$\psi(\Omega \cdot \psi(\psi(1)))$	$\varepsilon_{\omega^\omega}$
$\psi(\Omega \cdot \psi(\psi(\psi(1))))$	$\varepsilon_{\omega^{\omega^\omega}}$
$\psi(\Omega \cdot \psi(\Omega))$	$\varepsilon_{\varepsilon_0}$
$\psi(\Omega \cdot \psi(\Omega) + \Omega)$	$\varepsilon_{\varepsilon_0+1}$
$\psi(\Omega \cdot \psi(\Omega) \cdot 2)$	$\varepsilon_{\varepsilon_0 \cdot 2}$
$\psi(\Omega \cdot \psi(\Omega + 1))$	$\varepsilon_{\varepsilon_0 \cdot \omega}$ $\varepsilon_{\omega^{\varepsilon_0+1}}$
$\psi(\Omega \cdot \psi(\Omega + \psi(\Omega)))$	$\varepsilon_{\varepsilon_0^2}$ $\varepsilon_{\omega^{\varepsilon_0 \cdot 2}}$
$\psi(\Omega \cdot \psi(\Omega \cdot 2))$	$\varepsilon_{\varepsilon_1}$
$\psi(\Omega \cdot \psi(\Omega \cdot 3))$	$\varepsilon_{\varepsilon_2}$
$\psi(\Omega \cdot \psi(\Omega \cdot \psi(1)))$	$\varepsilon_{\varepsilon_\omega}$
$\psi(\Omega \cdot \psi(\Omega \cdot \psi(\Omega)))$	$\varepsilon_{\varepsilon_{\varepsilon_0}}$
$\psi(\Omega^2)$	$\zeta_0$
$\psi(\Omega^2) + \psi(1)$	$\zeta_0 + \omega$
$\psi(\Omega^2) + \psi(\Omega)$	$\zeta_0 + \varepsilon_0$
$\psi(\Omega^2) + \psi(\Omega \cdot \psi(\Omega))$	$\zeta_0 + \varepsilon_{\varepsilon_0}$
$\psi(\Omega^2) \cdot 2$	$\zeta_0 \cdot 2$
$\psi(\Omega^2 + 1)$	$\zeta_0 \cdot \omega$ $\omega^{\zeta_0+1}$
$\psi(\Omega^2 + \psi(\Omega))$	$\zeta_0 \cdot \varepsilon_0$ $\omega^{\zeta_0+\varepsilon_0}$
$\psi(\Omega^2 + \psi(\Omega \cdot \psi(\Omega)))$	$\zeta_0 \cdot \varepsilon_{\varepsilon_0}$ $\omega^{\zeta_0+\varepsilon_{\varepsilon_0}}$
$\psi(\Omega^2 + \psi(\Omega^2))$	$\zeta_0^2$ $\omega^{\zeta_0 \cdot 2}$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega^2 + \psi(\Omega^2 + 1))$	$\zeta_0^\omega$ $\omega^{\omega^{\zeta_0+1}}$
$\psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega)))$	$\zeta_0^{\varepsilon_0}$ $\omega^{\omega^{\zeta_0+\varepsilon_0}}$
$\psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2)))$	$\zeta_0^{\zeta_0}$ $\omega^{\omega^{\zeta_0 \cdot 2}}$
$\psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2))))$	$\zeta_0^{\zeta_0^{\zeta_0}}$ $\omega^{\omega^{\omega^{\zeta_0 \cdot 2}}}$
$\psi(\Omega^2 + \Omega)$	$\varepsilon_{\zeta_0+1}$
$\psi(\Omega^2 + \Omega + \psi(\Omega^2 + \Omega))$	$\varepsilon_{\zeta_0+1}^2$ $\omega^{\varepsilon_{\zeta_0+1} \cdot 2}$
$\psi(\Omega^2 + \Omega + \psi(\Omega^2 + \Omega + \psi(\Omega^2 + \Omega)))$	$\varepsilon_{\zeta_0+1}^{\varepsilon_{\zeta_0+1}}$ $\omega^{\omega^{\varepsilon_{\zeta_0+1} \cdot 2}}$
$\psi(\Omega^2 + \Omega \cdot 2)$	$\varepsilon_{\zeta_0+2}$
$\psi(\Omega^2 + \Omega \cdot 3)$	$\varepsilon_{\zeta_0+3}$
$\psi(\Omega^2 + \Omega \cdot \omega)$	$\varepsilon_{\zeta_0+\omega}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega))$	$\varepsilon_{\zeta_0+\varepsilon_0}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega \cdot \psi(\Omega)))$	$\varepsilon_{\zeta_0+\varepsilon_0}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2))$	$\varepsilon_{\zeta_0 \cdot 2}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2) \cdot 2)$	$\varepsilon_{\zeta_0 \cdot 3}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + 1))$	$\varepsilon_{\zeta_0 \cdot \omega}$ $\varepsilon_{\omega^{\zeta_0+1}}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \psi(\Omega^2)))$	$\varepsilon_{\omega^{\zeta_0 \cdot 2}}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2))))$	$\varepsilon_{\zeta_0^{\zeta_0}}$ $\varepsilon_{\omega^{\omega^{\zeta_0 \cdot 2}}}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega))$	$\varepsilon_{\varepsilon_{\zeta_0+1}}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega \cdot \psi(\Omega)))$	$\varepsilon_{\varepsilon_{\zeta_0+\varepsilon_0}}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega \cdot \psi(\Omega^2)))$	$\varepsilon_{\varepsilon_{\zeta_0 \cdot 2}}$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega)))$	$\varepsilon_{\varepsilon_{\varepsilon_{\zeta_0+1}}}$
$\psi(\Omega^2 \cdot 2)$	$\zeta_1$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega^2 \cdot 2 + 1)$	$\zeta_1 \cdot \omega$ $\omega^{\zeta_1+1}$
$\psi(\Omega^2 \cdot 2 + \psi(\Omega^2))$	$\zeta_1 \cdot \zeta_0$ $\omega^{\zeta_1+\zeta_0}$
$\psi(\Omega^2 \cdot 2 + \psi(\Omega^2 \cdot 2))$	$\zeta_1^2$ $\omega^{\zeta_1 \cdot 2}$
$\psi(\Omega^2 \cdot 2 + \psi(\Omega^2 \cdot 2 + \psi(\Omega^2 \cdot 2)))$	$\zeta_1^{\zeta_1}$ $\omega^{\omega^{\zeta_1 \cdot 2}}$
$\psi(\Omega^2 \cdot 2 + \Omega)$	$\varepsilon_{\zeta_1+1}$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2))$	$\varepsilon_{\zeta_1+\zeta_0}$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2))$	$\varepsilon_{\zeta_1 \cdot 2}$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2 + \psi(\Omega^2 \cdot 2)))$	$\varepsilon_{\omega^{\zeta_1 \cdot 2}}$ $\varepsilon_{\zeta_1^2}$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2 + \Omega))$	$\varepsilon_{\varepsilon_{\zeta_1+1}}$
$\psi(\Omega^2 \cdot 3)$	$\zeta_2$
$\psi(\Omega^2 \cdot 3 + 1)$	$\zeta_2 \cdot \omega$ $\omega^{\zeta_2+1}$
$\psi(\Omega^2 \cdot 3 + \Omega)$	$\varepsilon_{\zeta_2+1}$
$\psi(\Omega^2 \cdot 3 + \Omega \cdot \psi(\Omega^2 \cdot 3))$	$\varepsilon_{\zeta_2 \cdot 2}$
$\psi(\Omega^2 \cdot 3 + \Omega \cdot \psi(\Omega^2 \cdot 3 + \Omega))$	$\varepsilon_{\varepsilon_{\zeta_2+1}}$
$\psi(\Omega^2 \cdot 4)$	$\zeta_3$
$\psi(\Omega^2 \cdot 5)$	$\zeta_4$
$\psi(\Omega^2 \cdot \psi(1))$	$\zeta_\omega$
$\psi(\Omega^2 \cdot \psi(\Omega))$	$\zeta_{\varepsilon_0}$
$\psi(\Omega^2 \cdot \psi(\Omega \cdot \psi(\Omega)))$	$\zeta_{\varepsilon_{\varepsilon_0}}$
$\psi(\Omega^2 \cdot \psi(\Omega^2))$	$\zeta_{\zeta_0}$
$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot 2))$	$\zeta_{\zeta_1}$
$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot \psi(\Omega)))$	$\zeta_{\zeta_{\varepsilon_0}}$
$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot \psi(\Omega^2)))$	$\zeta_{\zeta_{\zeta_0}}$
$\psi(\Omega^3)$	$\eta_0$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega^3 + 1)$	$\eta_0 \cdot \omega$ $\omega^{\eta_0+1}$
$\psi(\Omega^3 + \psi(\Omega^3 + \psi(\Omega^3)))$	$\eta_0^{\eta_0}$ $\omega^{\omega^{\eta_0 \cdot 2}}$
$\psi(\Omega^3 + \Omega)$	$\varepsilon_{\eta_0+1}$
$\psi(\Omega^3 + \Omega \cdot \psi(\Omega^3))$	$\varepsilon_{\eta_0 \cdot 2}$
$\psi(\Omega^3 + \Omega \cdot \psi(\Omega^3 + \Omega \psi(\Omega^3)))$	$\varepsilon_{\varepsilon_{\eta_0 \cdot 2}}$
$\psi(\Omega^3 + \Omega^2)$	$\zeta_{\eta_0+1}$
$\psi(\Omega^3 + \Omega^2 \cdot \psi(\Omega^3))$	$\zeta_{\eta_0 \cdot 2}$
$\psi(\Omega^3 + \Omega^2 \psi(\Omega^3 + \Omega^2 \cdot \psi(\Omega^3)))$	$\zeta_{\zeta_{\eta_0 \cdot 2}}$
$\psi(\Omega^3 \cdot 2)$	$\eta_1$
$\psi(\Omega^3 \cdot 2 + 1)$	$\eta_1 \cdot \omega$ $\omega^{\eta_1+1}$
$\psi(\Omega^3 \cdot 2 + \Omega)$	$\varepsilon_{\eta_1+1}$
$\psi(\Omega^3 \cdot 2 + \Omega^2)$	$\zeta_{\eta_1+1}$
$\psi(\Omega^3 \cdot 2 + \Omega^2 \cdot \psi(\Omega^3 \cdot 2 + \Omega^2))$	$\zeta_{\zeta_{\eta_1+1}}$
$\psi(\Omega^3 \cdot 3)$	$\eta_2$
$\psi(\Omega^3 \cdot 4)$	$\eta_3$
$\psi(\Omega^3 \cdot \psi(1))$	$\eta_\omega$
$\psi(\Omega^3 \cdot \psi(\Omega))$	$\eta_{\varepsilon_0}$
$\psi(\Omega^3 \cdot \psi(\Omega^2))$	$\eta_{\zeta_0}$
$\psi(\Omega^3 \cdot \psi(\Omega^3))$	$\eta_{\eta_0}$
$\psi(\Omega^3 \cdot \psi(\Omega^3 \cdot \psi(\Omega^3)))$	$\eta_{\eta_{\eta_0}}$
$\psi(\Omega^4)$	$\varphi(4, 0)$
$\psi(\Omega^4 + 1)$	$\omega^{\varphi(4,0)+1}$
$\psi(\Omega^4 + \Omega)$	$\varepsilon_{\varphi(4,0)+1}$
$\psi(\Omega^4 + \Omega^3)$	$\eta_{\varphi(4,0)+1}$
$\psi(\Omega^4 \cdot 2)$	$\varphi(4, 1)$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega^4 \cdot 3)$	$\varphi(4, 2)$
$\psi(\Omega^4 \cdot \psi(1))$	$\varphi(4, \omega)$
$\psi(\Omega^4 \cdot \psi(\Omega^4))$	$\varphi(4, \varphi(4, 0))$
$\psi(\Omega^5)$	$\varphi(5, 0)$
$\psi(\Omega^5 + \Omega^4)$	$\varphi(4, \varphi(5, 0) + 1)$
$\psi(\Omega^5 \cdot 2)$	$\varphi(5, 1)$
$\psi(\Omega^5 \cdot \psi(\Omega^5))$	$\varphi(5, \varphi(5, 0))$
$\psi(\Omega^6)$	$\varphi(6, 0)$
$\psi(\Omega^7)$	$\varphi(7, 0)$
$\psi(\Omega^\omega)$	$\varphi(\omega, 0)$
$\psi(\Omega^\omega + 1)$	$\omega^{\varphi(\omega, 0) + 1}$
$\psi(\Omega^\omega + \Omega)$	$\varepsilon_{\varphi(\omega, 0) + 1}$
$\psi(\Omega^\omega + \Omega^2)$	$\zeta_{\varphi(\omega, 0) + 1}$
$\psi(\Omega^\omega + \Omega^3)$	$\eta_{\varphi(\omega, 0) + 1}$
$\psi(\Omega^\omega + \Omega^4)$	$\varphi(4, \varphi(\omega, 0) + 1)$
$\psi(\Omega^\omega + \Omega^5)$	$\varphi(5, \varphi(\omega, 0) + 1)$
$\psi(\Omega^\omega + \Omega^6)$	$\varphi(6, \varphi(\omega, 0) + 1)$
$\psi(\Omega^\omega \cdot 2)$	$\varphi(\omega, 1)$
$\psi(\Omega^\omega \cdot 3)$	$\varphi(\omega, 2)$
$\psi(\Omega^\omega \cdot \psi(1))$	$\varphi(\omega, \omega)$
$\psi(\Omega^\omega \cdot \psi(\Omega^\omega))$	$\varphi(\omega, \varphi(\omega, 0))$
$\psi(\Omega^{\omega+1})$	$\varphi(\omega + 1, 0)$
$\psi(\Omega^{\omega+1} + \Omega^\omega)$	$\varphi(\omega, \varphi(\omega + 1, 0) + 1)$
$\psi(\Omega^{\omega+1} \cdot 2)$	$\varphi(\omega + 1, 1)$
$\psi(\Omega^{\omega+2})$	$\varphi(\omega + 2, 0)$
$\psi(\Omega^{\omega+3})$	$\varphi(\omega + 3, 0)$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega^{\omega \cdot 2})$	$\varphi(\omega \cdot 2, 0)$
$\psi(\Omega^{\omega \cdot 3})$	$\varphi(\omega \cdot 3, 0)$
$\psi(\Omega^{\psi(2)})$	$\varphi(\omega^2, 0)$
$\psi(\Omega^{\psi(\psi(1))})$	$\varphi(\omega^\omega, 0)$
$\psi(\Omega^{\psi(\Omega)})$	$\varphi(\varepsilon_0, 0)$
$\psi(\Omega^{\psi(\Omega \cdot 2)})$	$\varphi(\varepsilon_1, 0)$
$\psi(\Omega^{\psi(\Omega^2)})$	$\varphi(\zeta_0, 0)$
$\psi(\Omega^{\psi(\Omega^3)})$	$\varphi(\eta_0, 0)$
$\psi(\Omega^{\psi(\Omega^\omega)})$	$\varphi(\varphi(\omega, 0), 0)$
$\psi(\Omega^{\psi(\Omega^{\psi(\Omega)})})$	$\varphi(\varphi(\varepsilon_0, 0), 0)$
$\psi(\Omega^\Omega)$	$\Gamma_0$ $\varphi(1, 0, 0)$
$\psi(\Omega^\Omega) \cdot 2$	$\Gamma_0 \cdot 2$ $\varphi(1, 0, 0) \cdot 2$
$\psi(\Omega^\Omega + 1)$	$\omega^{\Gamma_0+1}$ $\varphi(\varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \psi(\Omega^\Omega))$	$\omega^{\Gamma_0 \cdot 2}$ $\varphi(\varphi(1, 0, 0) \cdot 2)$
$\psi(\Omega^\Omega + \Omega)$	$\varepsilon_{\Gamma_0+1}$ $\varphi(1, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})$	$\varepsilon_{\Gamma_0 \cdot 2}$ $\varphi(1, \varphi(1, 0, 0) \cdot 2)$
$\psi(\Omega^\Omega + \Omega^2)$	$\zeta_{\Gamma_0+1}$ $\varphi(2, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^3)$	$\eta_{\Gamma_0+1}$ $\varphi(3, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^4)$	$\varphi(4, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^5)$	$\varphi(5, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^\omega)$	$\varphi(\omega, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega)})$	$\varphi(\varepsilon_0, \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\omega)})$	$\varphi(\varphi(\omega, 0), \varphi(1, 0, 0) + 1)$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^{\psi(0)})})$	$\varphi(\varphi(\varepsilon_0, 0), \varphi(1, 0, 0) + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})$	$\varphi(\Gamma_0, 1)$ $\varphi(\varphi(1, 0, 0), 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot 2)$	$\varphi(\Gamma_0, 2)$ $\varphi(\varphi(1, 0, 0), 2)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot \psi(\Omega^\Omega))$	$\varphi(\Gamma_0, \Gamma_0)$ $\varphi(\varphi(1, 0, 0), \varphi(1, 0, 0))$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+1})$	$\varphi(\Gamma_0 + 1, 0)$ $\varphi(\varphi(1, 0, 0) + 1, 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+\omega})$	$\varphi(\Gamma_0 + \omega, 0)$ $\varphi(\varphi(1, 0, 0) + \omega, 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega) \cdot 2})$	$\varphi(\Gamma_0 \cdot 2, 0)$ $\varphi(\varphi(1, 0, 0) \cdot 2, 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega)})$	$\varphi(\varepsilon_{\Gamma_0+1}, 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega^{\psi(\Omega^\Omega)})})$	$\varphi(\varphi(\Gamma_0, 1), 0)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega^{\psi(\Omega^\Omega)+\Omega})})$	$\varphi(\varphi(\Gamma_0 + 1, 0), 0)$
$\psi(\Omega^\Omega \cdot 2)$	$\Gamma_1$
$\psi(\Omega^\Omega \cdot 2 + \Omega^{\psi(\Omega^\Omega)})$	$\varphi(\Gamma_0, \Gamma_1 + 1)$
$\psi(\Omega^\Omega \cdot 2 + \Omega^{\psi(\Omega^\Omega \cdot 2)})$	$\varphi(\Gamma_1, 1)$
$\psi(\Omega^\Omega \cdot 3)$	$\Gamma_2$
$\psi(\Omega^\Omega \cdot 4)$	$\Gamma_3$
$\psi(\Omega^\Omega \cdot \omega)$	$\Gamma_\omega$
$\psi(\Omega^\Omega \cdot \psi(0))$	$\Gamma_{\varepsilon_0}$
$\psi(\Omega^\Omega \cdot \psi(\Omega^\Omega))$	$\Gamma_{\Gamma_0}$
$\psi(\Omega^{\Omega+1})$	$\varphi(1, 1, 0)$
$\psi(\Omega^{\Omega+1} + \Omega^\omega)$	$\varphi(\omega, \varphi(1, 1, 0) + 1)$
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^\Omega)})$	$\varphi(\Gamma_0, \varphi(1, 1, 0) + 1)$
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^{\Omega+1})})$	$\varphi(\varphi(1, 1, 0), 1)$
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^{\Omega+1})+1})$	$\varphi(\varphi(1, 1, 0) + 1, 1)$
$\psi(\Omega^{\Omega+1} + \Omega^\Omega)$	$\Gamma_{\varphi(1, 1, 0)+1}$



Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega^{\Omega+1} + \Omega^{\Omega} \cdot \psi(\Omega^{\Omega+1} + \Omega^{\Omega}))$	$\Gamma_{\Gamma_{\varphi(1,1,0)}+1}$
$\psi(\Omega^{\Omega+1} \cdot 2)$	$\varphi(1, 1, 1)$
$\psi(\Omega^{\Omega+1} \cdot 3)$	$\varphi(1, 1, 2)$
$\psi(\Omega^{\Omega+1} \cdot \omega)$	$\varphi(1, 1, \omega)$
$\psi(\Omega^{\Omega+2})$	$\varphi(1, 2, 0)$
$\psi(\Omega^{\Omega+2} + \Omega^{\psi(\Omega^{\Omega+2})+1})$	$\varphi(\varphi(1, 2, 0) + 1, 0)$
$\psi(\Omega^{\Omega+2} + \Omega^{\Omega})$	$\Gamma_{\varphi(1,2,0)+1}$
$\psi(\Omega^{\Omega+2} + \Omega^{\Omega} \psi(\Omega^{\Omega+2} + \Omega^{\Omega}))$	$\Gamma_{\Gamma_{\varphi(1,2,0)}+1}$
$\psi(\Omega^{\Omega+2} + \Omega^{\Omega+1})$	$\varphi(1, 1, \varphi(1, 2, 0) + 1)$
$\psi(\Omega^{\Omega+2} \cdot 2)$	$\varphi(1, 2, 1)$
$\psi(\Omega^{\Omega+2} \cdot \psi(\Omega^{\Omega+2}))$	$\varphi(1, 2, \varphi(1, 2, 0))$
$\psi(\Omega^{\Omega+3})$	$\varphi(1, 3, 0)$
$\psi(\Omega^{\Omega+3} \cdot 2)$	$\varphi(1, 3, 1)$
$\psi(\Omega^{\Omega+4})$	$\varphi(1, 4, 0)$
$\psi(\Omega^{\Omega+\omega})$	$\varphi(1, \omega, 0)$
$\psi(\Omega^{\Omega+\psi(\Omega^{\Omega})})$	$\varphi(1, \varphi(1, 0, 0), 0)$
$\psi(\Omega^{\Omega+\psi(\Omega^{\Omega+\psi(\Omega^{\Omega})})})$	$\varphi(1, \varphi(1, \varphi(1, 0, 0), 0), 0)$
$\psi(\Omega^{\Omega \cdot 2})$	$\varphi(2, 0, 0)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\psi(\Omega^{\Omega \cdot 2})+1})$	$\varphi(\varphi(2, 0, 0) + 1, 0)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega})$	$\varphi(1, 0, \varphi(2, 0, 0) + 1)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\omega})$	$\varphi(1, \omega, \varphi(2, 0, 0) + 1)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\psi(\Omega^{\Omega \cdot 2})})$	$\varphi(1, \varphi(2, 0, 0), 1)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\psi(\Omega^{\Omega \cdot 2})+1})$	$\varphi(1, \varphi(2, 0, 0) + 1, 1)$
$\psi(\Omega^{\Omega \cdot 2} \cdot 2)$	$\varphi(2, 0, 1)$
$\psi(\Omega^{\Omega \cdot 2} \cdot \psi(\Omega^{\Omega \cdot 2}))$	$\varphi(2, 0, \varphi(2, 0, 0))$
$\psi(\Omega^{\Omega \cdot 2+1})$	$\varphi(2, 1, 0)$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi(\Omega^{\Omega \cdot 2+1} \cdot 2)$	$\varphi(2, 1, 1)$
$\psi(\Omega^{\Omega \cdot 2 + \psi(\Omega^{\Omega \cdot 2})})$	$\varphi(2, \varphi(2, 2, 0), 0)$
$\psi(\Omega^{\Omega \cdot 3})$	$\varphi(3, 0, 0)$
$\psi(\Omega^{\Omega \cdot 3} + \Omega^{\psi(\Omega^{\Omega \cdot 3})})$	$\varphi(\varphi(3, 0, 0), 1)$
$\psi(\Omega^{\Omega \cdot 3} + \Omega^{\Omega + \psi(\Omega^{\Omega \cdot 3})})$	$\varphi(1, \varphi(3, 0, 0), 1)$
$\psi(\Omega^{\Omega \cdot 3} + \Omega^{\Omega \cdot 2 + \psi(\Omega^{\Omega \cdot 3})})$	$\varphi(2, \varphi(3, 0, 0), 1)$
$\psi(\Omega^{\Omega \cdot 3} \cdot 2)$	$\varphi(3, 0, 1)$
$\psi(\Omega^{\Omega \cdot 3+1})$	$\varphi(3, 1, 0)$
$\psi(\Omega^{\Omega \cdot 4})$	$\varphi(4, 0, 0)$
$\psi(\Omega^{\Omega \cdot 5})$	$\varphi(5, 0, 0)$
$\psi(\Omega^{\Omega \cdot \omega})$	$\varphi(\omega, 0, 0)$
$\psi(\Omega^{\Omega \cdot \psi(0)})$	$\varphi(\varepsilon_0, 0, 0)$
$\psi(\Omega^{\Omega \cdot \psi(\Omega^{\Omega})})$	$\varphi(\varphi(1, 0, 0), 0, 0)$
$\psi(\Omega^{\Omega^2})$	$\varphi(1, 0, 0, 0)$ $\varphi(1@3)$
$\psi(\Omega^{\Omega^2} + \Omega^{\psi(\Omega^{\Omega^2})})$	$\varphi(\varphi(1, 0, 0, 0), 1)$ $\varphi(\varphi(1@3)@1, 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega})$	$\varphi(1, 0, \varphi(1, 0, 0, 0) + 1)$ $\varphi(1@2, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega+1})$	$\varphi(1, 1, \varphi(1, 0, 0, 0) + 1)$ $\varphi(1@2, 1@1, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega+\omega})$	$\varphi(1, \omega, \varphi(1, 0, 0, 0) + 1)$ $\varphi(1@2, \omega@1, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega + \psi(\Omega^{\Omega^2})})$	$\varphi(1, \varphi(1, 0, 0, 0), 1)$ $\varphi(1@2, \varphi(1@3)@1, 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot 2})$	$\varphi(2, 0, \varphi(1, 0, 0, 0) + 1)$ $\varphi(2@2, \varphi(1@3) + 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot 2 + \psi(\Omega^{\Omega^2})})$	$\varphi(2, \varphi(1, 0, 0, 0), 1)$ $\varphi(2@2, \varphi(1@3)@1, 1)$
$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot 3})$	$\varphi(3, 0, \varphi(1, 0, 0, 0) + 1)$ $\varphi(3@2, \varphi(1@3) + 1)$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi\left(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^\Omega)}\right)$	$\varphi(\Gamma_0, 0, \varphi(1, 0, 0, 0) + 1)$ $\varphi(\Gamma_0 @ 2, \varphi(1 @ 3) + 1)$
$\psi\left(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2})}\right)$	$\varphi(\varphi(1, 0, 0, 0), 0, 1)$ $\varphi(\varphi(1 @ 3) @ 2, 1)$
$\psi\left(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2})+1}\right)$	$\varphi(\varphi(1, 0, 0, 0), 1, 0)$ $\varphi(\varphi(1 @ 3) @ 2, 1 @ 1)$
$\psi\left(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2})+\Omega}\right)$	$\varphi(\varphi(1, 0, 0, 0) + 1, 0, 0)$ $\varphi(\varphi(1 @ 3) + 1 @ 2)$
$\psi\left(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2}) \cdot 2}\right)$	$\varphi(\varphi(1, 0, 0, 0) 2, 0, 0)$ $\varphi(\varphi(1 @ 3) 2 @ 2)$
$\psi\left(\Omega^{\Omega^2} \cdot 2\right)$	$\varphi(1, 0, 0, 1)$ $\varphi(1 @ 3, 1)$
$\psi\left(\Omega^{\Omega^2+1}\right)$	$\varphi(1, 0, 1, 0)$ $\varphi(1 @ 3, 1 @ 1)$
$\psi\left(\Omega^{\Omega^2+\psi(\Omega^{\Omega^2})}\right)$	$\varphi(1, 0, \varphi(1, 0, 0, 0), 0)$ $\varphi(1 @ 3, \varphi(1 @ 3) @ 1)$
$\psi\left(\Omega^{\Omega^2+\Omega}\right)$	$\varphi(1, 1, 0, 0)$ $\varphi(1 @ 3, 1 @ 2)$
$\psi\left(\Omega^{\Omega^2+\Omega} + \Omega^{\Omega^2+\psi(\Omega^{\Omega^2+\Omega}) \cdot 2}\right)$	$\varphi(1, 0, \varphi(1, 1, 0, 0) 2, 0)$ $\varphi(1 @ 3, \varphi(1 @ 3, 1 @ 2) 2 @ 1)$
$\psi\left(\Omega^{\Omega^2+\Omega} \cdot 2\right)$	$\varphi(1, 1, 0, 1)$ $\varphi(1 @ 3, 1 @ 2, 1)$
$\psi\left(\Omega^{\Omega^2+\Omega+1}\right)$	$\varphi(1, 1, 1, 0)$ $\varphi(1 @ 3, 1 @ 2, 1 @ 1)$
$\psi\left(\Omega^{\Omega^2+\Omega \cdot 2}\right)$	$\varphi(1, 2, 0, 0)$ $\varphi(1 @ 3, 2 @ 2)$
$\psi\left(\Omega^{\Omega^2+\Omega \cdot \psi(\Omega^{\Omega^2})}\right)$	$\varphi(1, \varphi(1, 0, 0, 0), 0, 0)$ $\varphi(1 @ 3, \varphi(1 @ 3) @ 2)$
$\psi\left(\Omega^{\Omega^2 \cdot 2}\right)$	$\varphi(2, 0, 0, 0)$ $\varphi(2 @ 3)$
$\psi\left(\Omega^{\Omega^2} + \Omega^{\Omega^2+\Omega \cdot \psi(\Omega^{\Omega^2})}\right)$	$\varphi(1, \varphi(2, 0, 0, 0), 0, 1)$ $\varphi(1 @ 3, \varphi(2 @ 3) @ 2, 1)$
$\psi\left(\Omega^{\Omega^2 \cdot 2} \cdot 2\right)$	$\varphi(2, 0, 0, 1)$ $\varphi(2 @ 3, 1)$
$\psi\left(\Omega^{\Omega^2 \cdot 2+1}\right)$	$\varphi(2, 0, 1, 0)$ $\varphi(2 @ 3, 1 @ 1)$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi\left(\Omega^{\Omega^2 \cdot 2 + 1} \cdot 2\right)$	$\varphi(2, 0, 2, 1)$ $\varphi(2@3, 2@1, 1)$
$\psi\left(\Omega^{\Omega^2 \cdot 2 + \Omega}\right)$	$\varphi(2, 1, 0, 0)$ $\varphi(2@3, 1@2)$
$\psi\left(\Omega^{\Omega^2 \cdot 3}\right)$	$\varphi(2, 1, 0, 0)$ $\varphi(2@3, 1@2)$
$\psi\left(\Omega^{\Omega^2 \cdot \psi(\Omega^\Omega)}\right)$	$\varphi(\varphi(1, 0, 0, 0), 0, 0, 0)$ $\varphi(\varphi(1@3)@3)$
$\psi\left(\Omega^{\Omega^3}\right)$	$\varphi(1, 0, 0, 0, 0)$ $\varphi(1@4)$
$\psi\left(\Omega^{\Omega^3} + \Omega^{\psi(\Omega^{\Omega^3})}\right)$	$\varphi(\varphi(1, 0, 0, 0, 0), 1)$ $\varphi(\varphi(1@4)@1, 1)$
$\psi\left(\Omega^{\Omega^3} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^3})}\right)$	$\varphi(\varphi(1, 0, 0, 0, 0), 0, 1)$ $\varphi(\varphi(1@4)@2, 1)$
$\psi\left(\Omega^{\Omega^3} + \Omega^{\Omega^2 \cdot \psi(\Omega^{\Omega^3})}\right)$	$\varphi(\varphi(1, 0, 0, 0, 0), 0, 0, 1)$ $\varphi(\varphi(1@4)@3, 1)$
$\psi\left(\Omega^{\Omega^3} \cdot 2\right)$	$\varphi(1, 0, 0, 0, 1)$ $\varphi(1@4, 1)$
$\psi\left(\Omega^{\Omega^3 + 1}\right)$	$\varphi(1, 0, 0, 1, 0)$ $\varphi(1@4, 1@1)$
$\psi\left(\Omega^{\Omega^3 + \Omega}\right)$	$\varphi(1, 0, 1, 0, 0)$ $\varphi(1@4, 1@2)$
$\psi\left(\Omega^{\Omega^3 + \Omega^2}\right)$	$\varphi(1, 1, 0, 0, 0)$ $\varphi(1@4, 1@3)$
$\psi\left(\Omega^{\Omega^3 \cdot 2}\right)$	$\varphi(2, 0, 0, 0, 0)$ $\varphi(2@4)$
$\psi\left(\Omega^{\Omega^4}\right)$	$\varphi(1, 0, 0, 0, 0, 0)$ $\varphi(1@5)$
$\psi\left(\Omega^{\Omega^5}\right)$	$\varphi(1, 0, 0, 0, 0, 0, 0)$ $\varphi(1@6)$
$\psi\left(\Omega^{\Omega^6}\right)$	$\varphi(1, 0, 0, 0, 0, 0, 0, 0)$ $\varphi(1@7)$
$\psi\left(\Omega^{\Omega^\omega}\right)$	$\varphi(1@ \omega)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega\right)$	$\varphi(1@1, \varphi(1@ \omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^\Omega\right)$	$\varphi(1@2, \varphi(1@ \omega) + 1)$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^2}\right)$	$\varphi(1@3, \varphi(1@_\omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^3}\right)$	$\varphi(1@4, \varphi(1@_\omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^4}\right)$	$\varphi(1@5, \varphi(1@_\omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^5}\right)$	$\varphi(1@6, \varphi(1@_\omega) + 1)$
$\psi\left(\Omega^{\Omega^\omega} \cdot 2\right)$	$\varphi(1@_\omega, 1)$
$\psi\left(\Omega^{\Omega^\omega+1}\right)$	$\varphi(1@_\omega, 1@1)$
$\psi\left(\Omega^{\Omega^\omega+\psi(\Omega^{\Omega^\omega})}\right)$	$\varphi(1@_\omega, \varphi(1@_\omega)@1)$
$\psi\left(\Omega^{\Omega^\omega+\Omega}\right)$	$\varphi(1@_\omega, 1@2)$
$\psi\left(\Omega^{\Omega^\omega+\Omega \cdot \psi(\Omega^{\Omega^\omega})}\right)$	$\varphi(1@_\omega, \varphi(1@_\omega)@2)$
$\psi\left(\Omega^{\Omega^\omega+\Omega^2}\right)$	$\varphi(1@_\omega, 1@3)$
$\psi\left(\Omega^{\Omega^\omega+\Omega^3}\right)$	$\varphi(1@_\omega, 1@4)$
$\psi\left(\Omega^{\Omega^\omega+\Omega^4}\right)$	$\varphi(1@_\omega, 1@5)$
$\psi\left(\Omega^{\Omega^\omega \cdot 2}\right)$	$\varphi(2@_\omega)$
$\psi\left(\Omega^{\Omega^\omega \cdot \psi(\Omega^{\Omega^\omega})}\right)$	$\varphi(\varphi(1@_\omega)@_\omega)$
$\psi\left(\Omega^{\Omega^{\omega+1}}\right)$	$\varphi(1@_\omega + 1)$
$\psi\left(\Omega^{\Omega^{\omega+1}} + \Omega^{\Omega^\omega}\right)$	$\varphi(\varphi(1@_\omega + 1)@_\omega, 1)$
$\psi\left(\Omega^{\Omega^{\omega+1}} \cdot 2\right)$	$\varphi(1@_\omega + 1, 1)$
$\psi\left(\Omega^{\Omega^{\omega+1}+1}\right)$	$\varphi(1@_\omega + 1, 1@1)$
$\psi\left(\Omega^{\Omega^{\omega+1}+\Omega}\right)$	$\varphi(1@_\omega + 1, 1@2)$
$\psi\left(\Omega^{\Omega^{\omega+1}+\Omega^\omega}\right)$	$\varphi(1@_\omega + 1, 1@_\omega)$
$\psi\left(\Omega^{\Omega^{\omega+1} \cdot 2}\right)$	$\varphi(2@_\omega + 1)$
$\psi\left(\Omega^{\Omega^{\omega+2}}\right)$	$\varphi(1@_\omega + 2)$
$\psi\left(\Omega^{\Omega^{\omega+3}}\right)$	$\varphi(1@_\omega + 3)$
$\psi\left(\Omega^{\Omega^{\omega \cdot 2}}\right)$	$\varphi(1@_\omega \cdot 2)$
$\psi\left(\Omega^{\Omega^{\omega^2}}\right)$	$\varphi(1@_{\omega^2})$
$\psi\left(\Omega^{\Omega^{\psi(0)}}$	$\varphi(1@_{\varepsilon_0})$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi\left(\Omega^{\Omega^{\psi(\Omega)}}$	$\varphi(1@ \zeta_0)$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^\Omega)}}$	$\varphi(1@ \Gamma_0)$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega^2})}}$	$\varphi(1@ \varphi(1@ 3))$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega^\omega})}}$	$\varphi(1@ \varphi(1@ \omega))$
$\psi\left(\Omega^{\Omega^\Omega}\right)$	$\varphi(1@ (1, 0))$
$\psi\left(\Omega^{\Omega^\Omega} + \Omega^{\psi(\Omega^{\Omega^\Omega})}\right)$	$\varphi(\varphi(1@ (1, 0))@ 1, 1)$
$\psi\left(\Omega^{\Omega^\Omega} + \Omega^{\Omega^\omega \cdot \psi(\Omega^{\Omega^\Omega})}\right)$	$\varphi(\varphi(1@ (1, 0))@ \omega, 1)$
$\psi\left(\Omega^{\Omega^\Omega} \cdot 2\right)$	$\varphi(1@ (1, 0), 1)$
$\psi\left(\Omega^{\Omega^\Omega+1}\right)$	$\varphi(1@ (1, 0), 1@ 1)$
$\psi\left(\Omega^{\Omega^\Omega+\Omega^\omega}\right)$	$\varphi(1@ (1, 0), 1@ \omega)$
$\psi\left(\Omega^{\Omega^\Omega \cdot 2}\right)$	$\varphi(2@ (1, 0))$
$\psi\left(\Omega^{\Omega^\Omega \cdot \psi(\Omega^{\Omega^\Omega})}\right)$	$\varphi(\varphi(1@ (1, 0))@ (1, 0))$
$\psi\left(\Omega^{\Omega^{\Omega+1}}\right)$	$\varphi(1@ (1, 1))$
$\psi\left(\Omega^{\Omega^{\Omega+1}} + \Omega^{\Omega^\Omega \cdot \psi(\Omega^{\Omega^{\Omega+1}})}\right)$	$\varphi(\varphi(1@ (1, 1))@ (1, 0), 1)$
$\psi\left(\Omega^{\Omega^{\Omega+1} \cdot 2}\right)$	$\varphi(2@ (1, 1))$
$\psi\left(\Omega^{\Omega^{\Omega+2}}\right)$	$\varphi(1@ (1, 2))$
$\psi\left(\Omega^{\Omega^{\Omega+\omega}}\right)$	$\varphi(1@ (1, \omega))$
$\psi\left(\Omega^{\Omega^{\Omega+\psi(\Omega^{\Omega^\Omega})}}\right)$	$\varphi(1@ (1, \varphi(1@ (1, 0))))$
$\psi\left(\Omega^{\Omega^{\Omega \cdot 2}}\right)$	$\varphi(1@ (2, 0))$
$\psi\left(\Omega^{\Omega^{\Omega \cdot 2+\psi(\Omega^{\Omega^{\Omega \cdot 2}})}}\right)$	$\varphi(1@ (2, \varphi(1@ (2, 0))))$
$\psi\left(\Omega^{\Omega^{\Omega \cdot 3}}\right)$	$\varphi(1@ (3, 0))$
$\psi\left(\Omega^{\Omega^{\Omega \cdot \omega}}\right)$	$\varphi(1@ (\omega, 0))$
$\psi\left(\Omega^{\Omega^{\Omega \cdot \psi(\Omega^{\Omega^\Omega})}}\right)$	$\varphi(1@ (\varphi(1@ (1, 0)), 0))$
$\psi\left(\Omega^{\Omega^{\Omega^2}}\right)$	$\varphi(1@ (1, 0, 0))$
$\psi\left(\Omega^{\Omega^{\Omega^2 \cdot 2}}\right)$	$\varphi(2@ (1, 0, 0))$

Buchholz's OCF	Cantor 式/Veblen 函数
$\psi\left(\Omega^{\Omega^{\Omega^2+1}}\right)$	$\varphi(1@(1, 0, 0))$
$\psi\left(\Omega^{\Omega^{\Omega^2+\Omega}}\right)$	$\varphi(1@(1, 1, 0))$
$\psi\left(\Omega^{\Omega^{\Omega^2 \cdot 2}}\right)$	$\varphi(1@(2, 0, 0))$
$\psi\left(\Omega^{\Omega^{\Omega^3}}\right)$	$\varphi(1@(1, 0, 0, 0))$ $\varphi(1@(1@3))$
$\psi\left(\Omega^{\Omega^{\Omega^3 \cdot 2}}\right)$	$\varphi(1@(2@3))$
$\psi\left(\Omega^{\Omega^{\Omega^4}}\right)$	$\varphi(1@(2@3))$
$\psi\left(\Omega^{\Omega^{\Omega^\omega}}\right)$	$\varphi(1@(1@\omega))$
$\psi\left(\Omega^{\Omega^{\Omega^\Omega}}\right)$	$\varphi(1@(1@(1, 0)))$
$\psi\left(\Omega^{\Omega^{\Omega^\Omega} + \Omega}\right)$	$\varphi(1@1, \varphi(1@(1@(1, 0))) + 1)$
$\psi\left(\Omega^{\Omega^{\Omega^\Omega} \cdot 2}\right)$	$\varphi(1@(1@(1, 0)), 1)$
$\psi\left(\Omega^{\Omega^{\Omega^\Omega} + 1}\right)$	$\varphi(1@(1@(1, 0)), 1@1)$
$\psi\left(\Omega^{\Omega^{\Omega^\Omega} \cdot 2}\right)$	$\varphi(2@(1@(1, 0)))$
$\psi\left(\Omega^{\Omega^{\Omega^\Omega} + 1}\right)$	$\varphi(1@(1@(1, 0), 1))$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega^2 \cdot 2}}}\right)$	$\varphi(1@(2@(1, 0)))$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega^2+1}}}\right)$	$\varphi(1@(1@(1, 1)))$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega^2 \cdot 2}}}\right)$	$\varphi(1@(1@(2, 0)))$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega^2}}}\right)$	$\varphi(1@(1@(1, 0, 0)))$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega^\Omega}}}\right)$	$\varphi(1@(1@(1@(1, 0))))$
$\psi(\Omega_2)$ $\psi(\varepsilon_{\Omega+1})$	$\varphi(1@(1, , 0))$

## A.6 BOCF vs MOCF

本节的结果主要引自 [1-2]。

Buchholz's OCF	Madore's OCF
$\psi(\Omega)$	$\psi(0)$
$\psi(\Omega) + \psi(0)$	$\psi(0) + 1$

Buchholz's OCF	Madore's OCF
$\psi(\Omega) + \psi(1)$	$\psi(0) + \omega$
$\psi(\Omega) + \psi(\psi(1))$	$\psi(0) + \omega^\omega$
$\psi(\Omega) + \psi(\psi(\psi(1)))$	$\psi(0) + \omega^{\omega^\omega}$
$\psi(\Omega) \cdot 2$	$\psi(0) \cdot 2$
$\psi(\Omega) \cdot 3$	$\psi(0) \cdot 3$
$\psi(\Omega + 1)$	$\psi(0) \cdot \omega$
$\psi(\Omega + 1) + \psi(1)$	$\psi(0) \cdot \omega + \omega$
$\psi(\Omega + 1) + \psi(\psi(1))$	$\psi(0) \cdot \omega + \omega^\omega$
$\psi(\Omega + 1) \cdot 2$	$\psi(0) \cdot \omega \cdot 2$
$\psi(\Omega + 2)$	$\psi(0) \cdot \omega^2$
$\psi(\Omega + 2) \cdot 2$	$\psi(0) \cdot \omega^2 \cdot 2$
$\psi(\Omega + 3)$	$\psi(0) \cdot \omega^3$
$\psi(\Omega + \psi(1))$	$\psi(0) \cdot \omega^\omega$
$\psi(\Omega + \psi(2))$	$\psi(0) \cdot \omega^{\omega^2}$
$\psi(\Omega + \psi(\psi(1)))$	$\psi(0) \cdot \omega^{\omega^\omega}$
$\psi(\Omega + \psi(\Omega))$	$\psi(0)^2$
$\psi(\Omega + \psi(\Omega)) + \psi(1)$	$\psi(0)^2 + \omega$
$\psi(\Omega + \psi(\Omega)) + \psi(\psi(1))$	$\psi(0)^2 + \omega^\omega$
$\psi(\Omega + \psi(\Omega)) + \psi(\Omega)$	$\psi(0)^2 + \psi(0)$
$\psi(\Omega + \psi(\Omega)) + \psi(\Omega + 1)$	$\psi(0)^2 + \psi(0) \cdot \omega$
$\psi(\Omega + \psi(\Omega)) \cdot 2$	$\psi(0)^2 \cdot 2$
$\psi(\Omega + \psi(\Omega) + 1)$	$\psi(0)^2 \cdot \omega$
$\psi(\Omega + \psi(\Omega) + \psi(1))$	$\psi(0)^2 \cdot \omega^\omega$
$\psi(\Omega + \psi(\Omega) \cdot 2)$	$\psi(0)^3$
$\psi(\Omega + \psi(\Omega) \cdot 3)$	$\psi(0)^4$
$\psi(\Omega + \psi(\Omega + 1))$	$\psi(0)^\omega$



Buchholz's OCF	Madore's OCF
$\psi(\Omega + \psi(\Omega + 1)) \cdot 2$	$\psi(0)^\omega \cdot 2$
$\psi(\Omega + \psi(\Omega + 1) + 1)$	$\psi(0)^\omega \cdot \omega$
$\psi(\Omega + \psi(\Omega + 1) + \psi(1))$	$\psi(0)^\omega \cdot \omega^\omega$
$\psi(\Omega + \psi(\Omega + 1) + \psi(\Omega))$	$\psi(0)^{\omega+1}$
$\psi(\Omega + \psi(\Omega + 1) + \psi(\Omega) \cdot 2)$	$\psi(0)^{\omega+2}$
$\psi(\Omega + \psi(\Omega + 1) \cdot 2)$	$\psi(0)^{\omega \cdot 2}$
$\psi(\Omega + \psi(\Omega + 2))$	$\psi(0)^{\omega^2}$
$\psi(\Omega + \psi(\Omega + \psi(1)))$	$\psi(0)^{\omega^\omega}$
$\psi(\Omega + \psi(\Omega + \psi(\psi(1))))$	$\psi(0)^{\omega^{\omega^\omega}}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)))$	$\psi(0)^{\psi(0)}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)) + 1)$	$\psi(0)^{\psi(0)} \cdot \omega$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)) + \psi(\Omega))$	$\psi(0)^{\psi(0)+1}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)) + \psi(\Omega + 1))$	$\psi(0)^{\psi(0)+\omega}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega)) \cdot 2)$	$\psi(0)^{\psi(0) \cdot 2}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega) + 1))$	$\psi(0)^{\psi(0) \cdot \omega}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega) \cdot 2))$	$\psi(0)^{\psi(0)^2}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega + 1)))$	$\psi(0)^{\psi(0)^\omega}$
$\psi(\Omega + \psi(\Omega + \psi(\Omega + \psi(\Omega))))$	$\psi(0)^{\psi(0)^{\psi(0)}}$
$\psi(\Omega \cdot 2)$	$\psi(1)$
$\psi(\Omega \cdot 2) + \psi(\Omega)$	$\psi(1) + \psi(0)$
$\psi(\Omega \cdot 2) + \psi(\Omega + 1)$	$\psi(1) + \psi(0) \cdot \omega$
$\psi(\Omega \cdot 2) + \psi(\Omega + \psi(\Omega + 1))$	$\psi(1) + \psi(0)^\omega$
$\psi(\Omega \cdot 2) \cdot 2$	$\psi(1) \cdot 2$
$\psi(\Omega \cdot 2 + 1)$	$\psi(1) \cdot \omega$
$\psi(\Omega \cdot 2 + \psi(\Omega))$	$\psi(1) \cdot \psi(0)$
$\psi(\Omega \cdot 2 + \psi(\Omega + \psi(\Omega)))$	$\psi(1) \cdot \psi(0)^2$

Buchholz's OCF	Madore's OCF
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2) \cdot 2)$	$\psi(1)^3$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + 1))$	$\psi(1)^\omega$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + \psi(\Omega)))$	$\psi(1)^{\psi(0)}$
$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + \psi(\Omega \cdot 2)))$	$\psi(1)^{\psi(1)}$
$\psi(\Omega \cdot 3)$	$\psi(2)$
$\psi(\Omega \cdot 3 + 1)$	$\psi(2) \cdot \omega$
$\psi(\Omega \cdot 3 + \psi(\Omega))$	$\psi(2) \cdot \psi(0)$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 2))$	$\psi(2) \cdot \psi(1)$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3))$	$\psi(2)^2$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3 + 1))$	$\psi(2)^\omega$
$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3 + \psi(\Omega \cdot 3)))$	$\psi(2)^{\psi(2)}$
$\psi(\Omega \cdot 4)$	$\psi(3)$
$\psi(\Omega \cdot 4 + \psi(\Omega \cdot 4))$	$\psi(3)^2$
$\psi(\Omega \cdot 5)$	$\psi(4)$
$\psi(\Omega \cdot 6)$	$\psi(5)$
$\psi(\Omega \cdot \psi(1))$	$\psi(\omega)$
$\psi(\Omega \cdot \psi(1) + \psi(\Omega \cdot \psi(1)))$	$\psi(\omega)^2$
$\psi(\Omega \cdot \psi(1) + \Omega)$	$\psi(\omega + 1)$
$\psi(\Omega \cdot \psi(1) + \Omega \cdot 2)$	$\psi(\omega + 2)$
$\psi(\Omega \cdot \psi(1) \cdot 2)$	$\psi(\omega \cdot 2)$
$\psi(\Omega \cdot \psi(2))$	$\psi(\omega^2)$
$\psi(\Omega \cdot \psi(\psi(1)))$	$\psi(\omega^\omega)$
$\psi(\Omega \cdot \psi(\psi(\psi(1))))$	$\psi(\omega^{\omega^\omega})$
$\psi(\Omega \cdot \psi(\Omega))$	$\psi(\psi(0))$
$\psi(\Omega \cdot \psi(\Omega) + \Omega)$	$\psi(\psi(0) + 1)$
$\psi(\Omega \cdot \psi(\Omega) \cdot 2)$	$\psi(\psi(0) \cdot 2)$

Buchholz's OCF	Madore's OCF
$\psi(\Omega \cdot \psi(\Omega + 1))$	$\psi(\psi(0) \cdot \omega)$
$\psi(\Omega \cdot \psi(\Omega + \psi(\Omega)))$	$\psi(\psi(0)^2)$
$\psi(\Omega \cdot \psi(\Omega \cdot 2))$	$\psi(\psi(1))$
$\psi(\Omega \cdot \psi(\Omega \cdot 3))$	$\psi(\psi(2))$
$\psi(\Omega \cdot \psi(\Omega \cdot \psi(1)))$	$\psi(\psi(\omega))$
$\psi(\Omega \cdot \psi(\Omega \cdot \psi(\Omega)))$	$\psi(\psi(\psi(0)))$
$\psi(\Omega^2)$	$\psi(\Omega)$
$\psi(\Omega^2) + \psi(1)$	$\psi(\Omega) + \omega$
$\psi(\Omega^2) + \psi(\Omega)$	$\psi(\Omega) + \psi(0)$
$\psi(\Omega^2) + \psi(\Omega \cdot \psi(\Omega))$	$\psi(\Omega) + \psi(\psi(0))$
$\psi(\Omega^2) \cdot 2$	$\psi(\Omega) \cdot 2$
$\psi(\Omega^2 + 1)$	$\psi(\Omega) \cdot \omega$
$\psi(\Omega^2 + \psi(\Omega))$	$\psi(\Omega) \cdot \psi(0)$
$\psi(\Omega^2 + \psi(\Omega \cdot \psi(\Omega)))$	$\psi(\Omega) \cdot \psi(\psi(0))$
$\psi(\Omega^2 + \psi(\Omega^2))$	$\psi(\Omega)^2$
$\psi(\Omega^2 + \psi(\Omega^2 + 1))$	$\psi(\Omega)^\omega$
$\psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega)))$	$\psi(\Omega)^{\psi(0)}$
$\psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2)))$	$\psi(\Omega)^{\psi(\Omega)}$
$\psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2))))$	$\psi(\Omega)^{\psi(\Omega)^{\psi(\Omega)}}$
$\psi(\Omega^2 + \Omega)$	$\psi(\Omega + 1)$
$\psi(\Omega^2 + \Omega + \psi(\Omega^2 + \Omega))$	$\psi(\Omega + 1)^2$
$\psi(\Omega^2 + \Omega + \psi(\Omega^2 + \Omega + \psi(\Omega^2 + \Omega)))$	$\psi(\Omega + 1)^{\psi(\Omega+1)}$
$\psi(\Omega^2 + \Omega \cdot 2)$	$\psi(\Omega + 2)$
$\psi(\Omega^2 + \Omega \cdot 3)$	$\psi(\Omega + 3)$
$\psi(\Omega^2 + \Omega \cdot \omega)$	$\psi(\Omega + \omega)$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega))$	$\psi(\Omega + \psi(0))$

Buchholz's OCF	Madore's OCF
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega \cdot \psi(\Omega)))$	$\psi(\Omega + \psi(\psi(0)))$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2))$	$\psi(\Omega + \psi(\Omega))$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2) \cdot 2)$	$\psi(\Omega + \psi(\Omega) \cdot 2)$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + 1))$	$\psi(\Omega + \psi(\Omega) \cdot \omega)$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \psi(\Omega^2)))$	$\psi(\Omega + \psi(\Omega)^2)$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2))))$	$\psi(\Omega + \psi(\Omega)^{\psi(\Omega)})$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega))$	$\psi(\Omega + \psi(\Omega + 1))$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega \cdot \psi(\Omega)))$	$\psi(\Omega + \psi(\Omega + \psi(0)))$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega \cdot \psi(\Omega^2)))$	$\psi(\Omega + \psi(\Omega + \psi(\Omega)))$
$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega)))$	$\psi(\Omega + \psi(\Omega + \psi(\Omega + 1)))$
$\psi(\Omega^2 \cdot 2)$	$\psi(\Omega \cdot 2)$
$\psi(\Omega^2 \cdot 2 + 1)$	$\psi(\Omega \cdot 2) \cdot \omega$
$\psi(\Omega^2 \cdot 2 + \psi(\Omega^2))$	$\psi(\Omega \cdot 2) \cdot \psi(\Omega)$
$\psi(\Omega^2 \cdot 2 + \psi(\Omega^2 \cdot 2))$	$\psi(\Omega \cdot 2)^2$
$\psi(\Omega^2 \cdot 2 + \psi(\Omega^2 \cdot 2 + \psi(\Omega^2 \cdot 2)))$	$\psi(\Omega \cdot 2)^{\psi(\Omega \cdot 2)}$
$\psi(\Omega^2 \cdot 2 + \Omega)$	$\psi(\Omega \cdot 2 + 1)$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2))$	$\psi(\Omega \cdot 2 + \psi(\Omega + \psi(\Omega)))$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2))$	$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2))$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2 + \psi(\Omega^2 \cdot 2)))$	$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2)^2)$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2 + \Omega))$	$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + 1))$
$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2 + \Omega))$	$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + 1))$
$\psi(\Omega^2 \cdot 3)$	$\psi(\Omega \cdot 3)$
$\psi(\Omega^2 \cdot 3 + 1)$	$\psi(\Omega \cdot 3) \cdot \omega$
$\psi(\Omega^2 \cdot 3 + \Omega)$	$\psi(\Omega \cdot 3 + 1)$
$\psi(\Omega^2 \cdot 3 + \Omega \cdot \psi(\Omega^2 \cdot 3))$	$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3))$
$\psi(\Omega^2 \cdot 3 + \Omega \cdot \psi(\Omega^2 \cdot 3 + \Omega))$	$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3 + 1))$

Buchholz's OCF	Madore's OCF
$\psi(\Omega^2 \cdot 4)$	$\psi(\Omega \cdot 4)$
$\psi(\Omega^2 \cdot 5)$	$\psi(\Omega \cdot 5)$
$\psi(\Omega^2 \cdot \psi(1))$	$\psi(\Omega \cdot \omega)$
$\psi(\Omega^2 \cdot \psi(\Omega))$	$\psi(\Omega \cdot \psi(0))$
$\psi(\Omega^2 \cdot \psi(\Omega \cdot \psi(\Omega)))$	$\psi(\Omega \cdot \psi(\psi(0)))$
$\psi(\Omega^2 \cdot \psi(\Omega^2))$	$\psi(\Omega \cdot \psi(\Omega))$
$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot 2))$	$\psi(\Omega \cdot \psi(\Omega \cdot 2))$
$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot \psi(\Omega)))$	$\psi(\Omega \cdot \psi(\Omega \cdot \psi(0)))$
$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot \psi(\Omega^2)))$	$\psi(\Omega \cdot \psi(\Omega \cdot \psi(\Omega)))$
$\psi(\Omega^3)$	$\psi(\Omega^2)$
$\psi(\Omega^3 + 1)$	$\psi(\Omega^2) \cdot \omega$
$\psi(\Omega^3 + \psi(\Omega^3 + \psi(\Omega^3)))$	$\psi(\Omega^2)^{\psi(\Omega^2)}$
$\psi(\Omega^3 + \Omega)$	$\psi(\Omega^2 + 1)$
$\psi(\Omega^3 + \Omega \cdot \psi(\Omega^3))$	$\psi(\Omega^2 + \psi(\Omega^2))$
$\psi(\Omega^3 + \Omega \cdot \psi(\Omega^3 + \Omega \psi(\Omega^3)))$	$\psi(\Omega^2 + \psi(\Omega^2 + \psi(\Omega^2)))$
$\psi(\Omega^3 + \Omega^2)$	$\psi(\Omega^2 + \Omega)$
$\psi(\Omega^3 + \Omega^2 \cdot \psi(\Omega^3))$	$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2))$
$\psi(\Omega^3 + \Omega^2 \psi(\Omega^3 + \Omega^2 \cdot \psi(\Omega^3)))$	$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2 + \Omega \cdot \psi(\Omega^2)))$
$\psi(\Omega^3 \cdot 2)$	$\psi(\Omega^2 \cdot 2)$
$\psi(\Omega^3 \cdot 2 + 1)$	$\psi(\Omega^2 \cdot 2) \cdot \omega$
$\psi(\Omega^3 \cdot 2 + \Omega)$	$\psi(\Omega^2 \cdot 2 + 1)$
$\psi(\Omega^3 \cdot 2 + \Omega^2)$	$\psi(\Omega^2 \cdot 2 + \Omega)$
$\psi(\Omega^3 \cdot 2 + \Omega^2 \cdot \psi(\Omega^3 \cdot 2 + \Omega^2))$	$\psi(\Omega^2 \cdot 2 + \Omega \cdot \psi(\Omega^2 \cdot 2 + \Omega))$
$\psi(\Omega^3 \cdot 3)$	$\psi(\Omega^2 \cdot 3)$
$\psi(\Omega^3 \cdot 4)$	$\psi(\Omega^2 \cdot 4)$
$\psi(\Omega^3 \cdot \psi(1))$	$\psi(\Omega^2 \cdot \omega)$

Buchholz's OCF	Madore's OCF
$\psi(\Omega^3 \cdot \psi(\Omega))$	$\psi(\Omega^2 \cdot \psi(0))$
$\psi(\Omega^3 \cdot \psi(\Omega^2))$	$\psi(\Omega^2 \cdot \psi(\Omega))$
$\psi(\Omega^3 \cdot \psi(\Omega^3))$	$\psi(\Omega^2 \cdot \psi(\Omega^2))$
$\psi(\Omega^3 \cdot \psi(\Omega^3 \cdot \psi(\Omega^3)))$	$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot \psi(\Omega^2)))$
$\psi(\Omega^4)$	$\psi(\Omega^3)$
$\psi(\Omega^4 + 1)$	$\psi(\Omega^3) \cdot \omega$
$\psi(\Omega^4 + \Omega)$	$\psi(\Omega^3 + 1)$
$\psi(\Omega^4 + \Omega^3)$	$\psi(\Omega^3 + \Omega^2)$
$\psi(\Omega^4 \cdot 2)$	$\psi(\Omega^3 \cdot 2)$
$\psi(\Omega^4 \cdot 3)$	$\psi(\Omega^3 \cdot 3)$
$\psi(\Omega^4 \cdot \psi(1))$	$\psi(\Omega^3 \cdot \omega)$
$\psi(\Omega^4 \cdot \psi(\Omega^4))$	$\psi(\Omega^3 \cdot \psi(\Omega^3))$
$\psi(\Omega^5)$	$\psi(\Omega^4)$
$\psi(\Omega^5 + \Omega^4)$	$\psi(\Omega^4 + \Omega^3)$
$\psi(\Omega^5 \cdot 2)$	$\psi(\Omega^4 \cdot 2)$
$\psi(\Omega^5 \cdot \psi(\Omega^5))$	$\psi(\Omega^4 \cdot \psi(\Omega^4))$
$\psi(\Omega^6)$	$\psi(\Omega^5)$
$\psi(\Omega^7)$	$\psi(\Omega^6)$
$\psi(\Omega^\omega)$	$\psi(\Omega^\omega)$
$\psi(\Omega^\omega + 1)$	$\psi(\Omega^\omega) \cdot \omega$
$\psi(\Omega^\omega + \Omega)$	$\psi(\Omega^\omega + 1)$
$\psi(\Omega^\omega + \Omega^2)$	$\psi(\Omega^\omega + \Omega)$
$\psi(\Omega^\omega + \Omega^3)$	$\psi(\Omega^\omega + \Omega^2)$
$\psi(\Omega^\omega + \Omega^4)$	$\psi(\Omega^\omega + \Omega^3)$
$\psi(\Omega^\omega + \Omega^5)$	$\psi(\Omega^\omega + \Omega^4)$
$\psi(\Omega^\omega + \Omega^6)$	$\psi(\Omega^\omega + \Omega^5)$

Buchholz's OCF	Madore's OCF
$\psi(\Omega^\omega \cdot 2)$	$\psi(\Omega^\omega \cdot 2)$
$\psi(\Omega^\omega \cdot 3)$	$\psi(\Omega^\omega \cdot 3)$
$\psi(\Omega^\omega \cdot \psi(1))$	$\psi(\Omega^\omega \cdot \omega)$
$\psi(\Omega^\omega \cdot \psi(\Omega^\omega))$	$\psi(\Omega^\omega \cdot \psi(\Omega^\omega))$
$\psi(\Omega^{\omega+1})$	$\psi(\Omega^{\omega+1})$
$\psi(\Omega^{\omega+1} + \Omega^\omega)$	$\psi(\Omega^{\omega+1} + \Omega^\omega)$
$\psi(\Omega^{\omega+1} \cdot 2)$	$\psi(\Omega^{\omega+1} \cdot 2)$
$\psi(\Omega^{\omega+2})$	$\psi(\Omega^{\omega+2})$
$\psi(\Omega^{\omega+3})$	$\psi(\Omega^{\omega+3})$
$\psi(\Omega^{\omega \cdot 2})$	$\psi(\Omega^{\omega \cdot 2})$
$\psi(\Omega^{\omega \cdot 3})$	$\psi(\Omega^{\omega \cdot 3})$
$\psi(\Omega^{\psi(2)})$	$\psi(\Omega^{\omega^2})$
$\psi(\Omega^{\psi(\psi(1))})$	$\psi(\Omega^{\omega^\omega})$
$\psi(\Omega^{\psi(\Omega)})$	$\psi(\Omega^{\psi(0)})$
$\psi(\Omega^{\psi(\Omega \cdot 2)})$	$\psi(\Omega^{\psi(1)})$
$\psi(\Omega^{\psi(\Omega^2)})$	$\psi(\Omega^{\psi(\Omega)})$
$\psi(\Omega^{\psi(\Omega^3)})$	$\psi(\Omega^{\psi(\Omega^2)})$
$\psi(\Omega^{\psi(\Omega^\omega)})$	$\psi(\Omega^{\psi(\Omega^\omega)})$
$\psi(\Omega^{\psi(\Omega^{\psi(\Omega)})})$	$\psi(\Omega^{\psi(\Omega^{\psi(0)})})$
$\psi(\Omega^\Omega)$	$\psi(\Omega^\Omega)$
$\psi(\Omega^\Omega) \cdot 2$	$\psi(\Omega^\Omega) \cdot 2$
$\psi(\Omega^\Omega + 1)$	$\psi(\Omega^\Omega) \cdot \omega$
$\psi(\Omega^\Omega + \psi(\Omega^\Omega))$	$\psi(\Omega^\Omega)^2$
$\psi(\Omega^\Omega + \Omega)$	$\psi(\Omega^\Omega + 1)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})$	$\psi(\Omega^\Omega + \psi(\Omega^\Omega))$
$\psi(\Omega^\Omega + \Omega^2)$	$\psi(\Omega^\Omega + \Omega)$

Buchholz's OCF	Madore's OCF
$\psi(\Omega^\Omega + \Omega^3)$	$\psi(\Omega^\Omega + \Omega^2)$
$\psi(\Omega^\Omega + \Omega^4)$	$\psi(\Omega^\Omega + \Omega^3)$
$\psi(\Omega^\Omega + \Omega^5)$	$\psi(\Omega^\Omega + \Omega^4)$
$\psi(\Omega^\Omega + \Omega^\omega)$	$\psi(\Omega^\Omega + \Omega^\omega)$
$\psi(\Omega^\Omega + \Omega^{\psi(0)})$	$\psi(\Omega^\Omega + \Omega^{\psi(0)})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\omega)})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\omega)})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^{\psi(0)})})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^{\psi(0)})})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot 2)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot 2)$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot \psi(\Omega^\Omega))$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot \psi(\Omega^\Omega))$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+1})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+1})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+\omega})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+\omega})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega) \cdot 2})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega) \cdot 2})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega)})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+1)})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega^{\psi(\Omega^\Omega)})})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega^{\psi(\Omega^\Omega)})})$
$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega^{\psi(\Omega^\Omega)+\Omega})})$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega^{\psi(\Omega^\Omega)+1})})$
$\psi(\Omega^\Omega \cdot 2)$	$\psi(\Omega^\Omega \cdot 2)$
$\psi(\Omega^\Omega \cdot 2 + \Omega^{\psi(\Omega^\Omega)})$	$\psi(\Omega^\Omega \cdot 2 + \Omega^{\psi(\Omega^\Omega)})$
$\psi(\Omega^\Omega \cdot 2 + \Omega^{\psi(\Omega^\Omega \cdot 2)})$	$\psi(\Omega^\Omega \cdot 2 + \Omega^{\psi(\Omega^\Omega \cdot 2)})$
$\psi(\Omega^\Omega \cdot 3)$	$\psi(\Omega^\Omega \cdot 3)$
$\psi(\Omega^\Omega \cdot 4)$	$\psi(\Omega^\Omega \cdot 4)$
$\psi(\Omega^\Omega \cdot \omega)$	$\psi(\Omega^\Omega \cdot \omega)$
$\psi(\Omega^\Omega \cdot \psi(0))$	$\psi(\Omega^\Omega \cdot \psi(0))$
$\psi(\Omega^\Omega \cdot \psi(\Omega^\Omega))$	$\psi(\Omega^\Omega \cdot \psi(\Omega^\Omega))$
$\psi(\Omega^{\Omega+1})$	$\psi(\Omega^{\Omega+1})$
$\psi(\Omega^{\Omega+1} + \Omega^\omega)$	$\psi(\Omega^{\Omega+1} + \Omega^\omega)$



Buchholz's OCF	Madore's OCF
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^\Omega)})$	$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^\Omega)})$
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^{\Omega+1})})$	$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^{\Omega+1})})$
$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^{\Omega+1})+1})$	$\psi(\Omega^{\Omega+1} + \Omega^{\psi(\Omega^{\Omega+1})+1})$
$\psi(\Omega^{\Omega+1} + \Omega^\Omega)$	$\psi(\Omega^{\Omega+1} + \Omega^\Omega)$
$\psi(\Omega^{\Omega+1} + \Omega^\Omega \cdot \psi(\Omega^{\Omega+1} + \Omega^\Omega))$	$\psi(\Omega^{\Omega+1} + \Omega^\Omega \cdot \psi(\Omega^{\Omega+1} + \Omega^\Omega))$
$\psi(\Omega^{\Omega+1} \cdot 2)$	$\psi(\Omega^{\Omega+1} \cdot 2)$
$\psi(\Omega^{\Omega+1} \cdot 3)$	$\psi(\Omega^{\Omega+1} \cdot 3)$
$\psi(\Omega^{\Omega+1} \cdot \omega)$	$\psi(\Omega^{\Omega+1} \cdot \omega)$
$\psi(\Omega^{\Omega+2})$	$\psi(\Omega^{\Omega+2})$
$\psi(\Omega^{\Omega+2} + \Omega^{\psi(\Omega^{\Omega+2})+1})$	$\psi(\Omega^{\Omega+2} + \Omega^{\psi(\Omega^{\Omega+2})+1})$
$\psi(\Omega^{\Omega+2} + \Omega^\Omega)$	$\psi(\Omega^{\Omega+2} + \Omega^\Omega)$
$\psi(\Omega^{\Omega+2} + \Omega^\Omega \psi(\Omega^{\Omega+2} + \Omega^\Omega))$	$\psi(\Omega^{\Omega+2} + \Omega^\Omega \psi(\Omega^{\Omega+2} + \Omega^\Omega))$
$\psi(\Omega^{\Omega+2} + \Omega^{\Omega+1})$	$\psi(\Omega^{\Omega+2} + \Omega^{\Omega+1})$
$\psi(\Omega^{\Omega+2} \cdot 2)$	$\psi(\Omega^{\Omega+2} \cdot 2)$
$\psi(\Omega^{\Omega+2} \cdot \psi(\Omega^{\Omega+2}))$	$\psi(\Omega^{\Omega+2} \cdot \psi(\Omega^{\Omega+2}))$
$\psi(\Omega^{\Omega+3})$	$\psi(\Omega^{\Omega+3})$
$\psi(\Omega^{\Omega+3} \cdot 2)$	$\psi(\Omega^{\Omega+3} \cdot 2)$
$\psi(\Omega^{\Omega+4})$	$\psi(\Omega^{\Omega+4})$
$\psi(\Omega^{\Omega+\omega})$	$\psi(\Omega^{\Omega+\omega})$
$\psi(\Omega^{\Omega+\psi(\Omega^\Omega)})$	$\psi(\Omega^{\Omega+\psi(\Omega^\Omega)})$
$\psi(\Omega^{\Omega+\psi(\Omega^{\Omega+\psi(\Omega^\Omega)})})$	$\psi(\Omega^{\Omega+\psi(\Omega^{\Omega+\psi(\Omega^\Omega)})})$
$\psi(\Omega^{\Omega \cdot 2})$	$\psi(\Omega^{\Omega \cdot 2})$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\psi(\Omega^{\Omega \cdot 2})+1})$	$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\psi(\Omega^{\Omega \cdot 2})+1})$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^\Omega)$	$\psi(\Omega^{\Omega \cdot 2} + \Omega^\Omega)$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\omega})$	$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\omega})$
$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\psi(\Omega^{\Omega \cdot 2})})$	$\psi(\Omega^{\Omega \cdot 2} + \Omega^{\Omega+\psi(\Omega^{\Omega \cdot 2})})$





Buchholz's OCF	Madore's OCF
$\psi\left(\Omega^{\Omega^3} \cdot 2\right)$	$\psi\left(\Omega^{\Omega^3} \cdot 2\right)$
$\psi\left(\Omega^{\Omega^3+1}\right)$	$\psi\left(\Omega^{\Omega^3+1}\right)$
$\psi\left(\Omega^{\Omega^3+\Omega}\right)$	$\psi\left(\Omega^{\Omega^3+\Omega}\right)$
$\psi\left(\Omega^{\Omega^3+\Omega^2}\right)$	$\psi\left(\Omega^{\Omega^3+\Omega^2}\right)$
$\psi\left(\Omega^{\Omega^3 \cdot 2}\right)$	$\psi\left(\Omega^{\Omega^3 \cdot 2}\right)$
$\psi\left(\Omega^{\Omega^4}\right)$	$\psi\left(\Omega^{\Omega^4}\right)$
$\psi\left(\Omega^{\Omega^5}\right)$	$\psi\left(\Omega^{\Omega^5}\right)$
$\psi\left(\Omega^{\Omega^6}\right)$	$\psi\left(\Omega^{\Omega^6}\right)$
$\psi\left(\Omega^{\Omega^\omega}\right)$	$\psi\left(\Omega^{\Omega^\omega}\right)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega\right)$	$\psi\left(\Omega^{\Omega^\omega} + 1\right)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^\Omega\right)$	$\psi\left(\Omega^{\Omega^\omega} + \Omega^\Omega\right)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^2}\right)$	$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^2}\right)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^3}\right)$	$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^3}\right)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^4}\right)$	$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^4}\right)$
$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^5}\right)$	$\psi\left(\Omega^{\Omega^\omega} + \Omega^{\Omega^5}\right)$
$\psi\left(\Omega^{\Omega^\omega} \cdot 2\right)$	$\psi\left(\Omega^{\Omega^\omega} \cdot 2\right)$
$\psi\left(\Omega^{\Omega^\omega+1}\right)$	$\psi\left(\Omega^{\Omega^\omega+1}\right)$
$\psi\left(\Omega^{\Omega^\omega+\psi(\Omega^{\Omega^\omega})}\right)$	$\psi\left(\Omega^{\Omega^\omega+\psi(\Omega^{\Omega^\omega})}\right)$
$\psi\left(\Omega^{\Omega^\omega+\Omega}\right)$	$\psi\left(\Omega^{\Omega^\omega+\Omega}\right)$
$\psi\left(\Omega^{\Omega^\omega+\Omega \cdot \psi(\Omega^{\Omega^\omega})}\right)$	$\psi\left(\Omega^{\Omega^\omega+\Omega \cdot \psi(\Omega^{\Omega^\omega})}\right)$
$\psi\left(\Omega^{\Omega^\omega+\Omega^2}\right)$	$\psi\left(\Omega^{\Omega^\omega+\Omega^2}\right)$
$\psi\left(\Omega^{\Omega^\omega+\Omega^3}\right)$	$\psi\left(\Omega^{\Omega^\omega+\Omega^3}\right)$
$\psi\left(\Omega^{\Omega^\omega+\Omega^4}\right)$	$\psi\left(\Omega^{\Omega^\omega+\Omega^4}\right)$
$\psi\left(\Omega^{\Omega^\omega \cdot 2}\right)$	$\psi\left(\Omega^{\Omega^\omega \cdot 2}\right)$
$\psi\left(\Omega^{\Omega^\omega \cdot \psi(\Omega^{\Omega^\omega})}\right)$	$\psi\left(\Omega^{\Omega^\omega \cdot \psi(\Omega^{\Omega^\omega})}\right)$
$\psi\left(\Omega^{\Omega^{\omega+1}}\right)$	$\psi\left(\Omega^{\Omega^{\omega+1}}\right)$

Buchholz's OCF	Madore's OCF
$\psi\left(\Omega^{\Omega^{\omega+1}} + \Omega^{\Omega^{\omega}}\right)$	$\psi\left(\Omega^{\Omega^{\omega+1}} + \Omega^{\Omega^{\omega}}\right)$
$\psi\left(\Omega^{\Omega^{\omega+1}} \cdot 2\right)$	$\psi\left(\Omega^{\Omega^{\omega+1}} \cdot 2\right)$
$\psi\left(\Omega^{\Omega^{\omega+1}+1}\right)$	$\psi\left(\Omega^{\Omega^{\omega+1}+1}\right)$
$\psi\left(\Omega^{\Omega^{\omega+1}+\Omega}\right)$	$\psi\left(\Omega^{\Omega^{\omega+1}+\Omega}\right)$
$\psi\left(\Omega^{\Omega^{\omega+1}+\Omega^{\omega}}\right)$	$\psi\left(\Omega^{\Omega^{\omega+1}+\Omega^{\omega}}\right)$
$\psi\left(\Omega^{\Omega^{\omega+1} \cdot 2}\right)$	$\psi\left(\Omega^{\Omega^{\omega+1} \cdot 2}\right)$
$\psi\left(\Omega^{\Omega^{\omega+2}}\right)$	$\psi\left(\Omega^{\Omega^{\omega+2}}\right)$
$\psi\left(\Omega^{\Omega^{\omega+3}}\right)$	$\psi\left(\Omega^{\Omega^{\omega+3}}\right)$
$\psi\left(\Omega^{\Omega^{\omega \cdot 2}}\right)$	$\psi\left(\Omega^{\Omega^{\omega \cdot 2}}\right)$
$\psi\left(\Omega^{\Omega^{\omega^2}}\right)$	$\psi\left(\Omega^{\Omega^{\omega^2}}\right)$
$\psi\left(\Omega^{\Omega^{\psi(0)}}$	$\psi\left(\Omega^{\Omega^{\psi(0)}}$
$\psi\left(\Omega^{\Omega^{\psi(\Omega)}}$	$\psi\left(\Omega^{\Omega^{\psi(\Omega)}}$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega})}}\right)$	$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega})}}\right)$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^2)}}$	$\psi\left(\Omega^{\Omega^{\psi(\Omega^2)}}$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega^2})}}\right)$	$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega^2})}}\right)$
$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega^{\omega}})}}$	$\psi\left(\Omega^{\Omega^{\psi(\Omega^{\Omega^{\omega}})}}$
$\psi\left(\Omega^{\Omega^{\Omega}}\right)$	$\psi\left(\Omega^{\Omega^{\Omega}}\right)$
$\psi\left(\Omega^{\Omega^{\Omega}} + \Omega^{\psi(\Omega^{\Omega^{\Omega}})}\right)$	$\psi\left(\Omega^{\Omega^{\Omega}} + \Omega^{\psi(\Omega^{\Omega^{\Omega}})}\right)$
$\psi\left(\Omega^{\Omega^{\Omega}} + \Omega^{\Omega^{\omega} \cdot \psi(\Omega^{\Omega^{\Omega}})}\right)$	$\psi\left(\Omega^{\Omega^{\Omega}} + \Omega^{\Omega^{\omega} \cdot \psi(\Omega^{\Omega^{\Omega}})}\right)$
$\psi\left(\Omega^{\Omega^{\Omega}} \cdot 2\right)$	$\psi\left(\Omega^{\Omega^{\Omega}} \cdot 2\right)$
$\psi\left(\Omega^{\Omega^{\Omega}+1}\right)$	$\psi\left(\Omega^{\Omega^{\Omega}+1}\right)$
$\psi\left(\Omega^{\Omega^{\Omega}+\Omega^{\omega}}\right)$	$\psi\left(\Omega^{\Omega^{\Omega}+\Omega^{\omega}}\right)$
$\psi\left(\Omega^{\Omega^{\Omega} \cdot 2}\right)$	$\psi\left(\Omega^{\Omega^{\Omega} \cdot 2}\right)$
$\psi\left(\Omega^{\Omega^{\Omega} \cdot \psi(\Omega^{\Omega^{\Omega}})}\right)$	$\psi\left(\Omega^{\Omega^{\Omega} \cdot \psi(\Omega^{\Omega^{\Omega}})}\right)$
$\psi\left(\Omega^{\Omega^{\Omega+1}}\right)$	$\psi\left(\Omega^{\Omega^{\Omega+1}}\right)$
$\psi\left(\Omega^{\Omega^{\Omega+1} \cdot 2}\right)$	$\psi\left(\Omega^{\Omega^{\Omega+1} \cdot 2}\right)$
$\psi\left(\Omega^{\Omega^{\Omega+2}}\right)$	$\psi\left(\Omega^{\Omega^{\Omega+2}}\right)$



Buchholz's OCF	Madore's OCF
$\psi\left(\Omega^{\Omega^{\Omega^2}}\right)$	$\psi\left(\Omega^{\Omega^{\Omega^2}}\right)$
$\psi\left(\Omega^{\Omega^{\Omega^{\Omega}}}\right)$	$\psi\left(\Omega^{\Omega^{\Omega^{\Omega}}}\right)$
$\psi\left(\Omega_2\right)$	$\psi(\psi_1(0))$
$\psi\left(\Omega_2 + \Omega\right)$	$\psi(\psi_1(0) + 1)$
$\psi\left(\Omega_2 + \Omega^{\Omega}\right)$	$\psi(\psi_1(0) + \Omega^{\Omega})$
$\psi\left(\Omega_2 + \Omega^{\Omega^{\Omega}}\right)$	$\psi(\psi_1(0) + \Omega^{\Omega^{\Omega}})$
$\psi\left(\Omega_2 + \psi_1(\Omega_2)\right)$	$\psi(\psi_1(0) \cdot 2)$
$\psi\left(\Omega_2 + \psi_1(\Omega_2) \cdot 2\right)$	$\psi(\psi_1(0) \cdot 3)$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + 1)\right)$	$\psi(\psi_1(0) \cdot \omega)$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi(\Omega_2))\right)$	$\psi(\psi_1(0) \cdot \psi(\psi_1(0)))$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \Omega)\right)$	$\psi(\psi_1(0) \cdot \Omega)$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \Omega^{\Omega})\right)$	$\psi(\psi_1(0) \cdot \Omega^{\Omega^{\Omega}})$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2))\right)$	$\psi(\psi_1(0)^2)$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2)) \cdot 2\right)$	$\psi(\psi_1(0)^2 \cdot 2)$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2)) \cdot \Omega\right)$	$\psi(\psi_1(0)^2 \cdot \Omega)$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2) \cdot 2)\right)$	$\psi(\psi_1(0)^3)$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2 + 1))\right)$	$\psi(\psi_1(0)^{\omega})$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2 + \Omega))\right)$	$\psi(\psi_1(0)^{\Omega})$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2 + \Omega^{\Omega}))\right)$	$\psi(\psi_1(0)^{\Omega^{\Omega^{\Omega}}})$
$\psi\left(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2)))\right)$	$\psi(\psi_1(0)^{\psi_1(0)})$
$\psi\left(\Omega_2 \cdot 2\right)$	$\psi(\psi_1(1))$
$\psi\left(\Omega_2 \cdot 2 + \psi_1(\Omega_2)\right)$	$\psi(\psi_1(1) + \psi_1(0))$
$\psi\left(\Omega_2 \cdot 2 + \psi_1(\Omega_2 \cdot 2)\right)$	$\psi(\psi_1(1) \cdot 2)$
$\psi\left(\Omega_2 \cdot 2 + \psi_1(\Omega_2 \cdot 2 + \psi_1(\Omega_2 \cdot 2))\right)$	$\psi(\psi_1(1)^2)$
$\psi\left(\Omega_2 \cdot 3\right)$	$\psi(\psi_1(2))$
$\psi\left(\Omega_2 \cdot \omega\right)$	$\psi(\psi_1(\omega))$

Buchholz's OCF	Madore's OCF
$\psi(\Omega_2 \cdot \psi(\Omega_2))$	$\psi(\psi_1(\psi(\psi_1(0))))$
$\psi(\Omega_2 \cdot \Omega)$	$\psi(\psi_1(\Omega))$
$\psi(\Omega_2 \cdot \Omega^2)$	$\psi(\psi_1(\Omega^2))$
$\psi(\Omega_2 \cdot \psi_1(\Omega_2))$	$\psi(\psi_1(\psi_1(0)))$
$\psi(\Omega_2^2)$	$\psi(\Omega_2)$
$\psi(\Omega_2^2 + \psi_1(\Omega_2^2))$	$\psi(\Omega_2 + \psi_1(\Omega_2))$
$\psi(\Omega_2^2 + \Omega_2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + 1))$
$\psi(\Omega_2^2 + \Omega_2 \cdot \psi_1(\Omega_2^2))$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2)))$
$\psi(\Omega_2^2 \cdot 2)$	$\psi(\Omega_2 \cdot 2)$
$\psi(\Omega_2^2 \cdot \Omega)$	$\psi(\Omega_2 \cdot \Omega)$
$\psi(\Omega_2^2 \cdot \psi_1(\Omega_2^2))$	$\psi(\Omega_2 \cdot \psi_1(\Omega_2))$
$\psi(\Omega_2^3)$	$\psi(\Omega_2^2)$
$\psi(\Omega_2^4)$	$\psi(\Omega_2^3)$
$\psi(\Omega_2^\omega)$	$\psi(\Omega_2^\omega)$
$\psi(\Omega_2^{\psi(\Omega_2^\omega)})$	$\psi(\Omega_2^{\psi(\Omega_2^\omega)})$
$\psi(\Omega_2^\Omega)$	$\psi(\Omega_2^\Omega)$
$\psi(\Omega_2^{\psi_1(\Omega_2^\Omega)})$	$\psi(\Omega_2^{\psi_1(\Omega_2^\omega)})$
$\psi(\Omega_2^{\Omega_2})$	$\psi(\Omega_2^{\Omega_2})$
$\psi(\Omega_2^{\Omega_2})$	$\psi(\Omega_2^{\Omega_2})$
$\psi(\Omega_2^{\Omega_2} + \Omega)$	$\psi(\Omega_2^{\Omega_2} + 1)$
$\psi(\Omega_2^{\Omega_2} + \psi_1(\Omega_2))$	$\psi(\Omega_2^{\Omega_2} + \psi_1(0))$
$\psi(\Omega_2^{\Omega_2} + \psi_1(\Omega_2^{\Omega_2}))$	$\psi(\Omega_2^{\Omega_2} + \psi_1(\Omega_2^{\Omega_2}))$
$\psi(\Omega_2^{\Omega_2} + \Omega_2)$	$\psi(\Omega_2^{\Omega_2} + \Omega_2)$
$\psi(\Omega_2^{\Omega_2} + \Omega_2^\omega)$	$\psi(\Omega_2^{\Omega_2} + \Omega_2^\omega)$
$\psi(\Omega_2^{\Omega_2} + \Omega_2^\Omega)$	$\psi(\Omega_2^{\Omega_2} + \Omega_2^\Omega)$
$\psi(\Omega_2^{\Omega_2} + \Omega_2^{\psi_1(\Omega_2)})$	$\psi(\Omega_2^{\Omega_2} + \Omega_2^{\psi_1(\Omega_2)})$



Buchholz's OCF	Madore's OCF
$\psi\left(\Omega_2^{\Omega_2} + \Omega_2^{\psi_1(\Omega_2^{\Omega_2})}\right)$	$\psi(\Omega_2^{\Omega_2} + \Omega_2^{\psi_1(\Omega_2^{\Omega_2})})$
$\psi\left(\Omega_2^{\Omega_2} \cdot 2\right)$	$\psi(\Omega_2^{\Omega_2} \cdot 2)$
$\psi\left(\psi_2\left(\psi_2\left(\psi_2(0)\right) + \Omega\right)\right)$	$\psi(\Omega_2^{\Omega_2} \cdot \Omega^2)$
$\psi\left(\psi_2\left(\psi_2\left(\psi_2(0)\right) + \psi_1\left(\psi_2(0)\right)\right)\right)$	$\psi(\Omega_2^{\Omega_2} \cdot \psi_1(0))$
$\psi\left(\Omega_2^{\Omega_2+1}\right)$	$\psi(\Omega_2^{\Omega_2+1})$
$\psi\left(\Omega_2^{\Omega_2 \cdot 2}\right)$	$\psi(\Omega_2^{\Omega_2 \cdot 2})$
$\psi\left(\Omega_2^{\Omega_2 \cdot \Omega}\right)$	$\psi(\Omega_2^{\Omega_2 \cdot \Omega})$
$\psi\left(\Omega_2^{\Omega_2^2}\right)$	$\psi(\Omega_2^{\Omega_2^2})$
$\psi\left(\Omega_2^{\Omega_2^2 \cdot 2}\right)$	$\psi(\Omega_2^{\Omega_2^2 \cdot 2})$
$\psi\left(\Omega_2^{\Omega_2^3}\right)$	$\psi(\Omega_2^{\Omega_2^3})$
$\psi\left(\Omega_2^{\Omega_2^\omega}\right)$	$\psi(\Omega_2^{\Omega_2^\omega})$
$\psi\left(\Omega_2^{\Omega_2^\Omega}\right)$	$\psi(\Omega_2^{\Omega_2^\Omega})$
$\psi\left(\Omega_2^{\Omega_2^{\Omega_2}}\right)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2}})$
$\psi\left(\Omega_2^{\Omega_2^{\Omega_2} \cdot 2}\right)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2} \cdot 2})$
$\psi\left(\Omega_2^{\Omega_2^{\Omega_2} \cdot 2}\right)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2} \cdot 2})$
$\psi\left(\Omega_2^{\Omega_2^{\Omega_2 \cdot 2}}\right)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2 \cdot 2}})$
$\psi\left(\Omega_2^{\Omega_2^{\Omega_2^2}}\right)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2^2}})$
$\psi\left(\Omega_2^{\Omega_2^{\Omega_2^\omega}}\right)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2^\omega}})$
$\psi(\Omega_3)$	$\psi(\psi_2(0))$
$\psi\left(\Omega_3 + \Omega\right)$	$\psi(\psi_2(0) + 1)$
$\psi\left(\Omega_3 + \Omega^\Omega\right)$	$\psi(\psi_2(0) + \Omega^\Omega)$
$\psi\left(\Omega_3 + \psi_1\left(\Omega_2\right)\right)$	$\psi(\psi_2(0) + \psi_1(0))$
$\psi\left(\Omega_3 + \psi_1\left(\Omega_3\right)\right)$	$\psi(\psi_2(0) + \psi_1(\psi_2(0)))$
$\psi\left(\Omega_3 + \Omega_2\right)$	$\psi(\psi_2(0) + \Omega_2)$
$\psi\left(\Omega_3 + \Omega_2^{\Omega_2}\right)$	$\psi(\psi_2(0) + \Omega_2^{\Omega_2})$
$\psi\left(\Omega_3 + \psi_2\left(\Omega_3\right)\right)$	$\psi(\psi_2(0) \cdot 2)$

Buchholz's OCF	Madore's OCF
$\psi(\Omega_3 \cdot 2)$	$\psi(\psi_2(1))$
$\psi(\Omega_3^2)$	$\psi(\Omega_3)$
$\psi(\Omega_3^\omega)$	$\psi(\Omega_3^\omega)$
$\psi(\Omega_3^\Omega)$	$\psi(\Omega_3^\Omega)$
$\psi(\Omega_3^{\Omega_2})$	$\psi(\Omega_3^{\Omega_2})$
$\psi(\Omega_3^{\Omega_3})$	$\psi(\Omega_3^{\Omega_3})$
$\psi(\Omega_3^{\Omega_3} \cdot 2)$	$\psi(\Omega_3^{\Omega_3} \cdot 2)$
$\psi(\Omega_3^{\Omega_3+1})$	$\psi(\Omega_3^{\Omega_3+1})$
$\psi(\Omega_3^{\Omega_3 \cdot 2})$	$\psi(\Omega_3^{\Omega_3 \cdot 2})$
$\psi(\Omega_3^{\Omega_3 \cdot \omega})$	$\psi(\Omega_3^{\Omega_3 \cdot \omega})$
$\psi(\Omega_3^{\Omega_3^2})$	$\psi(\Omega_3^{\Omega_3^2})$
$\psi(\Omega_3^{\Omega_3^\omega})$	$\psi(\Omega_3^{\Omega_3^\omega})$
$\psi(\Omega_3^{\Omega_3^\Omega})$	$\psi(\Omega_3^{\Omega_3^\Omega})$
$\psi(\Omega_3^{\Omega_3^{\Omega_2}})$	$\psi(\Omega_3^{\Omega_3^{\Omega_2}})$
$\psi(\Omega_3^{\Omega_3^{\Omega_3}})$	$\psi(\Omega_3^{\Omega_3^{\Omega_3}})$
$\psi(\Omega_4)$	$\psi(\psi_3(0))$
$\psi(\Omega_4 + \Omega \cdot \psi(\Omega_4))$	$\psi(\psi_3(0) + \psi(\psi_3(0)))$
$\psi(\Omega_4 + \Omega^2)$	$\psi(\psi_3(0) + \psi(\psi_3(0)))$
$\psi(\Omega_4 + \Omega^2)$	$\psi(\psi_3(0) + \Omega)$
$\psi(\Omega_4 + \Omega_2 \cdot \psi_1(\Omega_4))$	$\psi(\psi_3(0) + \psi_1(\psi_3(0)))$
$\psi(\Omega_4 + \Omega_2^2)$	$\psi(\psi_3(0) + \Omega_2)$
$\psi(\Omega_4 + \Omega_3 \cdot \psi_2(\Omega_4))$	$\psi(\psi_3(0) + \psi_2(\psi_3(0)))$
$\psi(\Omega_4 \cdot 2)$	$\psi(\psi_3(0) + \Omega_3)$
$\psi(\Omega_4 + \Omega_3^2)$	$\psi(\psi_3(1))$
$\psi(\Omega_4 \cdot \psi_3(\Omega_4))$	$\psi(\psi_3(\psi_3(0)))$
$\psi(\Omega_4^2)$	$\psi(\Omega_4)$

Buchholz's OCF	Madore's OCF
$\psi(\Omega_4^\omega)$	$\psi(\Omega_4^\omega)$
$\psi(\Omega_4^{\Omega_4})$	$\psi(\Omega_4^{\Omega_4})$
$\psi(\Omega_5)$	$\psi(\psi_4(0))$
$\psi(\Omega_5^2)$	$\psi(\Omega_5)$
$\psi(\Omega_5^{\Omega_5})$	$\psi(\Omega_5^{\Omega_5})$
$\psi(\Omega_6)$	$\psi(\psi_5(0))$
$\psi(\Omega_7)$	$\psi(\psi_6(0))$
$\psi(\Omega_\omega)$	$\psi(\Omega_\omega)$
$\psi(\Omega_\omega + 1)$	$\psi(\Omega_\omega) \cdot \omega$
$\psi(\Omega_\omega + \psi(\Omega))$	$\psi(\Omega_\omega) \cdot \psi(0)$
$\psi(\Omega_\omega + \psi(\Omega_\omega))$	$\psi(\Omega_\omega)^2$
$\psi(\Omega_\omega + \Omega)$	$\psi(\Omega_\omega + 1)$
$\psi(\Omega_\omega + \Omega \cdot \psi(\Omega_\omega))$	$\psi(\Omega_\omega + \psi(\Omega_\omega))$
$\psi(\Omega_\omega + \Omega^2)$	$\psi(\Omega_\omega + \Omega)$
$\psi(\Omega_\omega + \psi_1(\Omega_2))$	$\psi(\Omega_\omega + \psi_1(0))$
$\psi(\Omega_\omega + \psi_1(\Omega_3))$	$\psi(\Omega_\omega + \psi_1(\psi_2(0)))$
$\psi(\Omega_\omega + \psi_1(\Omega_\omega))$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega))$
$\psi(\Omega_\omega + \Omega_2)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + 1))$
$\psi(\Omega_\omega + \psi_2(\Omega_\omega))$	$\psi(\Omega_\omega + \psi_2(\Omega_\omega))$
$\psi(\Omega_\omega \cdot 2)$	$\psi(\Omega_\omega \cdot 2)$
$\psi(\Omega_\omega \cdot \omega)$	$\psi(\Omega_\omega \cdot \omega)$
$\psi(\Omega_\omega \cdot \psi(\Omega))$	$\psi(\Omega_\omega \cdot \psi(0))$
$\psi(\Omega_\omega \cdot \psi(\Omega_\omega))$	$\psi(\Omega_\omega \cdot \psi(\Omega_\omega))$
$\psi(\Omega_\omega \cdot \Omega)$	$\psi(\Omega_\omega \cdot \Omega)$
$\psi(\Omega_\omega \cdot \Omega_2)$	$\psi(\Omega_\omega \cdot \Omega_2)$
$\psi(\Omega_\omega^2)$	$\psi(\Omega_\omega^2)$

Buchholz's OCF	Madore's OCF
$\psi(\Omega_\omega^3)$	$\psi(\Omega_\omega^3)$
$\psi(\Omega_\omega^\omega)$	$\psi(\Omega_\omega^\omega)$
$\psi(\Omega_\omega^\Omega)$	$\psi(\Omega_\omega^\Omega)$
$\psi(\Omega_\omega^{\Omega_2})$	$\psi(\Omega_\omega^{\Omega_2})$
$\psi(\Omega_\omega^{\Omega_\omega})$	$\psi(\Omega_\omega^{\Omega_\omega})$
$\psi(\Omega_\omega^{\Omega_\omega^{\Omega_\omega}})$	$\psi(\Omega_\omega^{\Omega_\omega^{\Omega_\omega}})$
$\psi(\Omega_{\omega+1})$	$\psi(\psi_\omega(0))$
$\psi(\Omega_{\omega+1} + \Omega_\omega)$	$\psi(\psi_\omega(0) + \Omega_\omega)$
$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1}))$	$\psi(\psi_\omega(0) \cdot 2)$
$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1} + 1))$	$\psi(\psi_\omega(0) \cdot \omega)$
$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1} \cdot 2))$	$\psi(\psi_\omega(0)^2)$
$\psi(\Omega_{\omega+1} \cdot 2)$	$\psi(\psi_\omega(1))$
$\psi(\Omega_{\omega+1} \cdot \omega)$	$\psi(\psi_\omega(\omega))$
$\psi(\Omega_{\omega+1} \cdot \Omega_\omega)$	$\psi(\psi_\omega(\Omega_\omega))$
$\psi(\Omega_{\omega+1}^2)$	$\psi(\Omega_{\omega+1})$
$\psi(\Omega_{\omega+1}^\omega)$	$\psi(\Omega_{\omega+1}^\omega)$
$\psi(\Omega_{\omega+1}^{\Omega_\omega})$	$\psi(\Omega_{\omega+1}^{\Omega_\omega})$
$\psi(\Omega_{\omega+1}^{\Omega_{\omega+1}})$	$\psi(\Omega_{\omega+1}^{\Omega_{\omega+1}})$
$\psi(\Omega_{\omega+2})$	$\psi(\psi_{\omega+1}(0))$
$\psi(\Omega_{\omega+2}^2)$	$\psi(\Omega_{\omega+2})$
$\psi(\Omega_{\omega+2}^\omega)$	$\psi(\Omega_{\omega+2}^\omega)$
$\psi(\Omega_{\omega+3})$	$\psi(\psi_{\omega+2}(0))$
$\psi(\Omega_{\omega \cdot 2})$	$\psi(\Omega_{\omega \cdot 2})$
$\psi(\Omega_{\omega \cdot 3})$	$\psi(\Omega_{\omega \cdot 3})$
$\psi(\Omega_{\omega^2})$	$\psi(\Omega_{\omega^2})$
$\psi(\Omega_{\omega^\omega})$	$\psi(\Omega_{\omega^\omega})$

Buchholz's OCF	Madore's OCF
$\psi(\Omega_{\psi(\Omega)})$	$\psi(\Omega_{\psi(0)})$
$\psi(\Omega_{\psi(\Omega_\omega)})$	$\psi(\Omega_{\psi(\Omega_\omega)})$
$\psi(\Omega_{\psi(\Omega_2)})$	$\psi(\Omega_{\psi(\psi_1(0))})$
$\psi(\Omega_{\psi(\Omega_\omega)})$	$\psi(\Omega_{\psi(\Omega_\omega)})$
$\psi(\Omega_{\psi(\Omega_{\psi(\Omega_\omega)})})$	$\psi(\Omega_{\psi(\Omega_{\psi(\Omega_\omega)})})$
$\psi(\Omega_\Omega)$	$\psi(\Omega_\Omega)$
$\psi(\Omega_{\Omega+1})$	$\psi(\psi_\Omega(0))$
$\psi(\Omega_{\Omega+\omega})$	$\psi(\Omega_{\Omega+\omega})$
$\psi(\Omega_{\Omega \cdot 2})$	$\psi(\Omega_{\Omega \cdot 2})$
$\psi(\Omega_{\Omega^2})$	$\psi(\Omega_{\Omega^2})$
$\psi(\Omega_{\Omega^\Omega})$	$\psi(\Omega_{\Omega^\Omega})$
$\psi(\Omega_{\psi_1(\Omega_2)})$	$\psi(\Omega_{\psi_1(0)})$
$\psi(\Omega_{\psi_1(\Omega_\omega)})$	$\psi(\Omega_{\psi_1(\Omega_\omega)})$
$\psi(\Omega_{\psi_1(\Omega_\Omega)})$	$\psi(\Omega_{\psi_1(\Omega_\Omega)})$
$\psi(\Omega_{\psi_1(\Omega_{\psi_1(\Omega_\omega)})})$	$\psi(\Omega_{\psi_1(\Omega_{\psi_1(\Omega_\omega)})})$
$\psi(\Omega_{\Omega_2})$	$\psi(\Omega_{\Omega_2})$
$\psi(\Omega_{\Omega_\omega})$	$\psi(\Omega_{\Omega_\omega})$
$\psi(\Omega_{\Omega_\Omega})$	$\psi(\Omega_{\Omega_\Omega})$
$\psi(I)$	$\psi(\psi_I(0))$

## A.7 BMS vs Cantor 式/Veblen 函数

本节的结果主要引自 [6-7]。

BMS	Madore's OCF
(0)	1
(0)(0)	2
(0)(0)(0)	3

BMS	Madore's OCF
(0)(1)	$\omega$
(0)(1)(0)	$\omega + 1$
(0)(1)(0)(1)	$\omega \cdot 2$
(0)(1)(0)(1)(0)(1)	$\omega \cdot 3$
(0)(1)(1)	$\omega^2$
(0)(1)(1)(0)(1)	$\omega^2 + \omega$
(0)(1)(1)(0)(1)(1)	$\omega^2 \cdot 2$
(0)(1)(1)(1)	$\omega^3$
(0)(1)(1)(1)(1)	$\omega^4$
(0)(1)(2)	$\omega^\omega$
(0)(1)(2)(1)	$\omega^{\omega+1}$
(0)(1)(2)(1)(2)	$\omega^{\omega \cdot 2}$
(0)(1)(2)(2)	$\omega^{\omega^2}$
(0)(1)(2)(2)(2)	$\omega^{\omega^3}$
(0)(1)(2)(3)	$\omega^{\omega^\omega}$
(0)(1)(2)(3)(1)	$\omega^{\omega^\omega+1}$
(0)(1)(2)(3)(2)	$\omega^{\omega^{\omega+1}}$
(0)(1)(2)(3)(3)	$\omega^{\omega^{\omega^2}}$
(0)(1)(2)(3)(4)	$\omega^{\omega^{\omega^\omega}}$
(0,0)(1,1)	$\varepsilon_0$
(0,0)(1,1)(0,0)	$\varepsilon_0 + 1$
(0,0)(1,1)(0,0)(1,1)	$\varepsilon_0 \cdot 2$
(0,0)(1,1)(0,0)(1,1)(0,0)(1,1)	$\varepsilon_0 \cdot 3$
(0,0)(1,1)(1,0)	$\varepsilon_0 \cdot \omega$
(0,0)(1,1)(1,0)(1,0)	$\varepsilon_0 \cdot \omega^2$
(0,0)(1,1)(1,0)(2,0)	$\varepsilon_0 \cdot \omega^\omega$

BMS	Madore's OCF
$(0,0)(1,1)(1,0)(2,0)(1,0)$	$\varepsilon_0 \cdot \omega^{\omega+1}$
$(0,0)(1,1)(1,0)(2,0)(2,0)$	$\varepsilon_0 \cdot \omega^{\omega^2}$
$(0,0)(1,1)(1,0)(2,0)(3,0)$	$\varepsilon_0 \cdot \omega^{\omega^\omega}$
$(0,0)(1,1)(1,0)(2,1)$	$\varepsilon_0^2$
$(0,0)(1,1)(1,0)(2,1)(1,0)$	$\varepsilon_0^2 \cdot \omega$
$(0,0)(1,1)(1,0)(2,1)(1,0)(2,1)$	$\varepsilon_0^3$
$(0,0)(1,1)(1,0)(2,1)(2,0)$	$\varepsilon_0^\omega$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(1,0)(2,1)$	$\varepsilon_0^{\omega+1}$
$(0,0)(1,1)(1,0)(2,1)(2,0)(2,0)$	$\varepsilon_0^{\omega^2}$
$(0,0)(1,1)(1,0)(2,1)(2,0)(3,0)$	$\varepsilon_0^{\omega^\omega}$
$(0,0)(1,1)(1,0)(2,1)(2,0)(3,1)$	$\varepsilon_0^{\varepsilon_0}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(1,0)(2,1)$	$\varepsilon_0^{\varepsilon_0+1}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(2,0)$	$\varepsilon_0^{\varepsilon_0 \cdot \omega}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(2,0)(3,1)$	$\varepsilon_0^{\varepsilon_0^2}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(3,0)$	$\varepsilon_0^{\varepsilon_0^\omega}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(3,0)(4,1)$	$\varepsilon_0^{\varepsilon_0^{\varepsilon_0}}$
$(0,0)(1,1)(1,1)$	$\varepsilon_1$
$(0,0)(1,1)(1,1)(1,1)$	$\varepsilon_2$
$(0,0)(1,1)(2,0)$	$\varepsilon_\omega$
$(0,0)(1,1)(2,0)(1,1)$	$\varepsilon_{\omega+1}$
$(0,0)(1,1)(2,0)(1,1)(2,0)$	$\varepsilon_{\omega \cdot 2}$
$(0,0)(1,1)(2,0)(2,0)$	$\varepsilon_{\omega^2}$
$(0,0)(1,1)(2,0)(2,0)(2,0)$	$\varepsilon_{\omega^3}$
$(0,0)(1,1)(2,0)(3,0)$	$\varepsilon_{\omega^\omega}$

BMS	Madore's OCF
$(0,0)(1,1)(2,0)(3,1)$	$\varepsilon_{\varepsilon_0}$
$(0,0)(1,1)(2,0)(3,1)(1,1)$	$\varepsilon_{\varepsilon_0+1}$
$(0,0)(1,1)(2,0)(3,1)(2,0)$	$\varepsilon_{\varepsilon_0 \cdot \omega}$
$(0,0)(1,1)(2,0)(3,1)(3,1)$	$\varepsilon_{\varepsilon_1}$
$(0,0)(1,1)(2,0)(3,1)(4,0)$	$\varepsilon_{\varepsilon_\omega}$
$(0,0)(1,1)(2,0)(3,1)(4,0)(5,1)$	$\varepsilon_{\varepsilon_{\varepsilon_0}}$
$(0,0)(1,1)(2,1)$	$\zeta_0$
$(0,0)(1,1)(2,1)(1,1)$	$\varepsilon_{\zeta_0+1}$
$(0,0)(1,1)(2,1)(1,1)(2,0)$	$\varepsilon_{\zeta_0+\omega}$
$(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)$	$\varepsilon_{\zeta_0+\varepsilon_0}$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(2,0)$	$\varepsilon_{\zeta_0+\varepsilon_0 \cdot \omega}$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(3,1)$	$\varepsilon_{\zeta_0+\varepsilon_1}$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(4,1)$	$\varepsilon_{\zeta_0 \cdot 2}$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(4,1)(3,0)$	$\varepsilon_{\zeta_0 \cdot \omega}$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(4,1)(3,1)$	$\varepsilon_{\varepsilon_{\zeta_0+1}}$
$(0,0)(1,1)(2,1)(1,1)(2,1)$	$\zeta_1$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,1)(1,1)(2,1)$	$\zeta_2$
$(0,0)(1,1)(2,1)(2,0)$	$\zeta_\omega$
$(0,0)(1,1)(2,1)(2,0)(3,0)$	$\zeta_{\omega^\omega}$
$(0,0)(1,1)(2,1)(2,0)(3,1)$	$\zeta_{\varepsilon_0}$
$(0,0)(1,1)(2,1)(2,0)(3,1)(4,1)$	$\zeta_{\zeta_0}$
$(0,0)(1,1)(2,1)(2,1)$	$\eta_0$
$(0,0)(1,1)(2,1)(2,1)(1,1)$	$\varepsilon_{\eta_0+1}$
$(0,0)(1,1)(2,1)(2,1)(1,1)(2,1)$	$\zeta_{\eta_0+1}$



BMS	Madore's OCF
$(0,0)(1,1)(2,1)(2,1)-$ $-(1,1)(2,1)(2,1)$	$\eta_1$
$(0,0)(1,1)(2,1)(2,1)(2,0)$	$\eta_\omega$
$(0,0)(1,1)(2,1)(2,1)-$ $-(2,0)(3,1)(4,1)(4,1)$	$\eta_{\eta_0}$
$(0,0)(1,1)(2,1)(2,1)(2,1)$	$\varphi(4, 0)$
$(0,0)(1,1)(2,1)(3,0)$	$\varphi(\omega, 0)$
$(0,0)(1,1)(2,1)(3,0)(1,1)$	$\varphi(1, \varphi(\omega, 0) + 1)$
$(0,0)(1,1)(2,1)(3,0)(1,1)(2,1)$	$\varphi(2, \varphi(\omega, 0) + 1)$
$(0,0)(1,1)(2,1)(3,0)-$ $-(1,1)(2,1)(3,0)$	$\varphi(\omega, 1)$
$(0,0)(1,1)(2,1)(3,0)(2,0)$	$\varphi(\omega, \omega)$
$(0,0)(1,1)(2,1)(3,0)(2,0)(3,1)$	$\varphi(\omega, \varphi(1, 0))$
$(0,0)(1,1)(2,1)(3,0)-$ $-(2,0)(3,1)(4,1)(5,0)$	$\varphi(\omega, \varphi(\omega, 0))$
$(0,0)(1,1)(2,1)(3,0)(2,1)$	$\varphi(\omega + 1, 0)$
$(0,0)(1,1)(2,1)(3,0)(2,1)(3,0)$	$\varphi(\omega \cdot 2, 0)$
$(0,0)(1,1)(2,1)(3,0)(3,0)$	$\varphi(\omega^2, 0)$
$(0,0)(1,1)(2,1)(3,0)(4,1)$	$\varphi(\varphi(1, 0), 0)$
$(0,0)(1,1)(2,1)(3,0)-$ $-(4,1)(5,1)(6,0)$	$\varphi(\varphi(\omega, 0), 0)$
$(0,0)(1,1)(2,1)(3,1)$	$\varphi(1, 0, 0)$
$(0,0)(1,1)(2,1)(3,1)(1,1)$	$\varphi(1, \varphi(1, 0, 0) + 1)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)$	$\varphi(2, \varphi(1, 0, 0) + 1)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,0)$	$\varphi(\omega, \varphi(1, 0, 0) + 1)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,0)(4,1)$	$\varphi(\varphi(1, 0), \varphi(1, 0, 0) + 1)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)$	$\varphi(\varphi(2, 0), \varphi(1, 0, 0) + 1)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)$	$\varphi(\varphi(1, 0, 0), 1)$

BMS	Madore's OCF
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(2,0)$	$\varphi(\varphi(1, 0, 0), \omega)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(2,1)$	$\varphi(\varphi(1, 0, 0) + 1, 0)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(2,1)(3,0)$	$\varphi(\varphi(1, 0, 0) + \omega, 0)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)$	$\varphi(\varphi(1, 0, 0) \cdot 2, 0)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(3,0)$	$\varphi(\varphi(1, 0, 0) \cdot \omega, 0)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(4,0)$	$\varphi(\varphi(1, 0, 0)^\omega, 0)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(4,1)$	$\varphi(\varphi(1, \varphi(1, 0, 0) + 1), 0)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)-$ $-(6,1)(4,1)(5,1)(6,0)$	$\varphi(\varphi(\omega, \varphi(1, 0, 0) + 1), 0)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,1)$	$\varphi(1, 0, 1)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,1)(1,1)(2,1)(3,1)$	$\varphi(1, 0, 2)$
$(0,0)(1,1)(2,1)(3,1)(2,0)$	$\varphi(1, 0, \omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,0)(3,1)(4,1)(5,1)$	$\varphi(1, 0, \varphi(1, 0, 0))$
$(0,0)(1,1)(2,1)(3,1)(2,1)$	$\varphi(1, 1, 0)$
$(0,0)(1,1)(2,1)(3,1)(2,1)(3,0)$	$\varphi(1, \omega, 0)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)$	$\varphi(1, \varphi(1, 0, 0), 0)$
$(0,0)(1,1)(2,1)(3,1)(2,1)(3,1)$	$\varphi(2, 0, 0)$
$(0,0)(1,1)(2,1)(3,1)(2,1)-$ $-(3,1)(1,1)(2,1)(3,1)(2,1)(3,1)$	$\varphi(2, 0, 1)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(3,1)(2,1)$	$\varphi(2, 1, 0)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(3,1)(2,1)(3,1)$	$\varphi(3, 0, 0)$
$(0,0)(1,1)(2,1)(3,1)(3,0)$	$\varphi(\omega, 0, 0)$

BMS	Madore's OCF
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,0)(4,1)(5,1)(6,1)$	$\varphi(\varphi(1, 0, 0), 0, 0)$
$(0,0)(1,1)(2,1)(3,1)(3,1)$	$\varphi(1, 0, 0, 0)$
$(0,0)(1,1)(2,1)(3,1)(3,1)(2,1)$	$\varphi(1, 0, 1, 0)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,1)(2,1)(3,1)$	$\varphi(1, 1, 0, 0)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,1)(2,1)(3,1)(3,1)$	$\varphi(2, 0, 0, 0)$
$(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)$	$\varphi(1, 0, 0, 0, 0)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,1)(3,1)(3,1)$	$\varphi(1, 0, 0, 0, 0, 0)$
$(0,0)(1,1)(2,1)(3,1)(4,0)$	$\varphi(1@ \omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(1,1)(2,1)(3,1)(4,0)$	$\varphi(1@ \omega, 1@ 0)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(2,1)$	$\varphi(1@ \omega, 1@ 1)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(2,1)(3,1)$	$\varphi(1@ \omega, 1@ 2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(2,1)(3,1)(4,0)$	$\varphi(2@ \omega)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(3,0)$	$\varphi(\omega@ \omega)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)$	$\varphi(1@ \omega + 1)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(4,0)$	$\varphi(1@ \omega^2)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(5,1)$	$\varphi(1@ \varphi(1, 0))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(5,1)(6,1)(7,1)$	$\varphi(1@ \varphi(1, 0, 0))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(5,1)(6,1)(7,1)(8,0)$	$\varphi(1@ \varphi(1@ \omega))$
$(0,0)(1,1)(2,1)(3,1)(4,1)$	$\varphi(1@ (1, 0))$
$(0,0)(1,1)(2,1)(3,1)(4,1)-$ $-(1,1)(2,1)(3,1)(4,1)$	$\varphi(1@ (1, 0), 1)$
$(0,0)(1,1)(2,1)(3,1)(4,1)(2,1)$	$\varphi(1@ (1, 0), 1@ 1)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(2,1)(3,1)(4,1)$	$\varphi(2@ (1, 0))$
$(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)$	$\varphi(1@ (1, 1))$

BMS	Madore's OCF
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(3,1)(4,1)$	$\varphi(1@ (2, 0))$
$(0,0)(1,1)(2,1)(3,1)(4,1)(4,0)$	$\varphi(1@ (\omega, 0))$
$(0,0)(1,1)(2,1)(3,1)(4,1)(4,1)$	$\varphi(1@ (1, 0, 0))$
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,0)$	$\varphi(1@ (1@ \omega))$
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)$	$\varphi(1@ (1@ (1, 0)))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(5,1)(6,1)$	$\varphi(1@ (1@ (1@ (1, 0))))$
$(0,0)(1,1)(2,2)$	$\varphi(1@ (1, , 0))$

## A.8 BMS vs MOCF

本节的结果主要引自<sup>[6,8-9]</sup>。

BMS	Madore's OCF
$(0,0)(1,1)$	$\psi(0)$
$(0,0)(1,1)(0,0)$	$\psi(0) + 1$
$(0,0)(1,1)(0,0)(1,1)$	$\psi(0) \cdot 2$
$(0,0)(1,1)(0,0)(1,1)(0,0)(1,1)$	$\psi(0) \cdot 3$
$(0,0)(1,1)(1,0)$	$\psi(0) \cdot \omega$
$(0,0)(1,1)(1,0)(1,0)$	$\psi(0) \cdot \omega^2$
$(0,0)(1,1)(1,0)(2,0)$	$\psi(0) \cdot \omega^\omega$
$(0,0)(1,1)(1,0)(2,0)(1,0)$	$\psi(0) \cdot \omega^{\omega+1}$
$(0,0)(1,1)(1,0)(2,0)(2,0)$	$\psi(0) \cdot \omega^{\omega^2}$
$(0,0)(1,1)(1,0)(2,0)(3,0)$	$\psi(0) \cdot \omega^{\omega^\omega}$
$(0,0)(1,1)(1,0)(2,1)$	$\psi(0)^2$
$(0,0)(1,1)(1,0)(2,1)(1,0)$	$\psi(0)^2 \cdot \omega$
$(0,0)(1,1)(1,0)(2,1)(1,0)(2,1)$	$\psi(0)^3$
$(0,0)(1,1)(1,0)(2,1)(2,0)$	$\psi(0)^\omega$

BMS	Madore's OCF
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(1,0)(2,1)$	$\psi(0)^{\omega+1}$
$(0,0)(1,1)(1,0)(2,1)(2,0)(2,0)$	$\psi(0)^{\omega^2}$
$(0,0)(1,1)(1,0)(2,1)(2,0)(3,0)$	$\psi(0)^{\omega^\omega}$
$(0,0)(1,1)(1,0)(2,1)(2,0)(3,1)$	$\psi(0)^{\psi(0)}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(1,0)(2,1)$	$\psi(0)^{\psi(0)+1}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(2,0)$	$\psi(0)^{\psi(0)+\omega}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(2,0)(3,1)$	$\psi(0)^{\psi(0)^2}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(3,0)$	$\psi(0)^{\psi(0)^\omega}$
$(0,0)(1,1)(1,0)(2,1)-$ $-(2,0)(3,1)(3,0)(4,1)$	$\psi(0)^{\psi(0)^{\psi(0)}}$
$(0,0)(1,1)(1,1)$	$\psi(1)$
$(0,0)(1,1)(1,1)(1,1)$	$\psi(2)$
$(0,0)(1,1)(2,0)$	$\psi(\omega)$
$(0,0)(1,1)(2,0)(1,1)$	$\psi(\omega+1)$
$(0,0)(1,1)(2,0)(1,1)(2,0)$	$\psi(\omega \cdot 2)$
$(0,0)(1,1)(2,0)(2,0)$	$\psi(\omega^2)$
$(0,0)(1,1)(2,0)(2,0)(2,0)$	$\psi(\omega^3)$
$(0,0)(1,1)(2,0)(3,0)$	$\psi(\omega^\omega)$
$(0,0)(1,1)(2,0)(3,1)$	$\psi(\psi(0))$
$(0,0)(1,1)(2,0)(3,1)(1,1)$	$\psi(\psi(0)+1)$
$(0,0)(1,1)(2,0)(3,1)(2,0)$	$\psi(\psi(0) \cdot \omega)$
$(0,0)(1,1)(2,0)(3,1)(3,1)$	$\psi(\psi(1))$
$(0,0)(1,1)(2,0)(3,1)(4,0)$	$\psi(\psi(\omega))$
$(0,0)(1,1)(2,0)(3,1)(4,0)(5,1)$	$\psi(\psi(\psi(0)))$
$(0,0)(1,1)(2,1)$	$\psi(\Omega)$

BMS	Madore's OCF
$(0,0)(1,1)(2,1)(1,1)$	$\psi(\Omega + 1)$
$(0,0)(1,1)(2,1)(1,1)(2,0)$	$\psi(\Omega + \omega)$
$(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)$	$\psi(\Omega + \psi(0))$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(2,0)$	$\psi(\psi(\Omega + \psi(1)))$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(3,1)$	$\psi(\Omega + \psi(2))$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(4,1)$	$\psi(\Omega + \psi(\Omega))$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(4,1)(3,0)$	$\psi(\Omega + \psi(\Omega) \cdot \omega)$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,0)(3,1)(4,1)(3,1)$	$\psi(\Omega + \psi(\Omega)^2)$
$(0,0)(1,1)(2,1)(1,1)(2,1)$	$\psi(\Omega \cdot 2)$
$(0,0)(1,1)(2,1)(1,1)-$ $-(2,1)(1,1)(2,1)$	$\psi(\Omega \cdot 3)$
$(0,0)(1,1)(2,1)(2,0)$	$\psi(\Omega \cdot \omega)$
$(0,0)(1,1)(2,1)(2,0)(3,0)$	$\psi(\Omega^2 \cdot \psi(2))$
$(0,0)(1,1)(2,1)(2,0)(3,1)$	$\psi(\Omega \cdot \psi(0))$
$(0,0)(1,1)(2,1)(2,0)(3,1)(4,1)$	$\psi(\Omega \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(2,1)$	$\psi(\Omega^2)$
$(0,0)(1,1)(2,1)(2,1)(1,1)$	$\psi(\Omega^2 + 1)$
$(0,0)(1,1)(2,1)(2,1)(1,1)(2,1)$	$\psi(\Omega^2 + \Omega)$
$(0,0)(1,1)(2,1)(2,1)-$ $-(1,1)(2,1)(2,1)$	$\psi(\Omega^2 \cdot 2)$
$(0,0)(1,1)(2,1)(2,1)(2,0)$	$\psi(\Omega^2 \cdot \omega)$
$(0,0)(1,1)(2,1)(2,1)-$ $-(2,0)(3,1)(4,1)(4,1)$	$\psi(\Omega^2 \cdot \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(2,1)(2,1)$	$\psi(\Omega^3)$
$(0,0)(1,1)(2,1)(3,0)$	$\psi(\Omega^\omega)$
$(0,0)(1,1)(2,1)(3,0)(1,1)$	$\psi(\Omega^\omega + 1)$
$(0,0)(1,1)(2,1)(3,0)(1,1)(2,1)$	$\psi(\Omega^\omega + \Omega)$

BMS	Madore's OCF
$(0,0)(1,1)(2,1)(3,0)-$ $-(1,1)(2,1)(3,0)$	$\psi(\Omega^\omega \cdot 2)$
$(0,0)(1,1)(2,1)(3,0)(2,0)$	$\psi(\Omega^\omega \cdot \omega)$
$(0,0)(1,1)(2,1)(3,0)(2,0)(3,1)$	$\psi(\Omega^\omega \cdot \psi(1))$
$(0,0)(1,1)(2,1)(3,0)-$ $-(2,0)(3,1)(4,1)(5,0)$	$\psi(\Omega^\omega \cdot \psi(\Omega^\omega))$
$(0,0)(1,1)(2,1)(3,0)(2,1)$	$\psi(\Omega^{\omega+1})$
$(0,0)(1,1)(2,1)(3,0)(2,1)(3,0)$	$\psi(\Omega^{\omega \cdot 2})$
$(0,0)(1,1)(2,1)(3,0)(3,0)$	$\psi(\Omega^{\omega^2})$
$(0,0)(1,1)(2,1)(3,0)(4,1)$	$\psi(\Omega^{\psi(0)})$
$(0,0)(1,1)(2,1)(3,0)-$ $-(4,1)(5,1)(6,0)$	$\psi(\Omega^{\psi(\Omega^\omega)})$
$(0,0)(1,1)(2,1)(3,1)$	$\psi(\Omega^\Omega)$
$(0,0)(1,1)(2,1)(3,1)(1,1)$	$\psi(\Omega^\Omega + 1)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)$	$\psi(\Omega^\Omega + \Omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,0)$	$\psi(\Omega^\Omega + \Omega^\omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,0)(4,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(1)})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(2,0)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(2,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+1})$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(2,1)(3,0)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+\omega})$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega) \cdot 2})$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(3,0)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega) \cdot \omega})$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(4,0)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)^\omega})$

BMS	Madore's OCF
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(4,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+1)})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)-$ $-(6,1)(4,1)(5,1)(6,0)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega\cdot\omega)})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,1)$	$\psi(\Omega^\Omega \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,1)(1,1)(2,1)(3,1)$	$\psi(\Omega^\Omega \cdot 3)$
$(0,0)(1,1)(2,1)(3,1)(2,0)$	$\psi(\Omega^\Omega \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,0)(3,1)(4,1)(5,1)$	$\psi(\Omega^\Omega \cdot \psi(\Omega^\Omega))$
$(0,0)(1,1)(2,1)(3,1)(2,1)$	$\psi(\Omega^{\Omega+1})$
$(0,0)(1,1)(2,1)(3,1)(2,1)(3,0)$	$\psi(\Omega^{\Omega+\omega})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)$	$\psi(\Omega^{\Omega+\psi(\Omega^\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega\cdot 2})$
$(0,0)(1,1)(2,1)(3,1)(2,1)-$ $-(3,1)(1,1)(2,1)(3,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega\cdot 2} \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(3,1)(2,1)$	$\psi(\Omega^{\Omega\cdot 2+1})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(3,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega\cdot 3})$
$(0,0)(1,1)(2,1)(3,1)(3,0)$	$\psi(\Omega^{\Omega\cdot\omega})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,0)(4,1)(5,1)(6,1)$	$\psi(\Omega^{\Omega\cdot\psi(\Omega^\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^2})$
$(0,0)(1,1)(2,1)(3,1)(3,1)(2,1)$	$\psi(\Omega^{\Omega^2+1})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega^2+\Omega})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,1)(2,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^2\cdot 2})$
$(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^3})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^4})$
$(0,0)(1,1)(2,1)(3,1)(4,0)$	$\psi(\Omega^{\Omega^\omega})$



BMS	Madore's OCF
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(1,1)(2,1)(3,1)(4,0)$	$\psi(\Omega^{\Omega^\omega} \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(2,1)$	$\psi(\Omega^{\Omega^\omega+1})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(2,1)(3,1)$	$\psi(\Omega^{\Omega^\omega+\Omega})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(2,1)(3,1)(4,0)$	$\psi(\Omega^{\Omega^\omega \cdot 2})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(3,0)$	$\psi(\Omega^{\Omega^\omega \cdot \omega})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)$	$\psi(\Omega^{\Omega^{\omega+1}})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(4,0)$	$\psi(\Omega^{\Omega^{\omega^2}})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(5,1)$	$\psi(\Omega^{\Omega^{\psi(1)}})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(5,1)(6,1)(7,1)$	$\psi(\Omega^{\Omega^{\psi(\Omega^\Omega)}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)$	$\psi(\Omega^{\Omega^\Omega})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(1,1)$	$\psi(\Omega^{\Omega^\Omega} + 1)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(1,1)(1,1)$	$\psi(\Omega^{\Omega^\Omega} + 2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(1,1)(2,0)$	$\psi(\Omega^{\Omega^\Omega} + \omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(1,1)(2,0)(3,1)$	$\psi(\Omega^{\Omega^\Omega} + \psi(0))$
$(0,0)(1,1)(2,1)(3,1)(4,1)-$ $-(1,1)(2,0)(3,1)(4,1)(5,1)(6,1)$	$\psi(\Omega^{\Omega^\Omega} + \psi(\Omega^{\Omega^\Omega}))$
$(0,0)(1,1)(2,1)(3,1)(4,1)(1,1)(2,1)$	$\psi(\Omega^{\Omega^\Omega} + \Omega)$
$(0,0)(1,1)(2,1)(3,1)(4,1)-$ $-(1,1)(2,1)(3,1)(4,1)$	$\psi(\Omega^{\Omega^\Omega} \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(4,1)(2,0)$	$\psi(\Omega^{\Omega^\Omega} \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)(4,1)(2,1)$	$\psi(\Omega^{\Omega^\Omega+1})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega^\Omega+\Omega})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(2,1)(3,1)(4,1)$	$\psi(\Omega^{\Omega^\Omega \cdot 2})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(3,0)$	$\psi(\Omega^{\Omega^\Omega \cdot \omega})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)$	$\psi(\Omega^{\Omega^{\Omega+1}})$

BMS	Madore's OCF
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(3,1)(4,1)$	$\psi(\Omega^{\Omega^{\cdot 2}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(4,0)$	$\psi(\Omega^{\Omega^{\cdot \omega}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(4,1)$	$\psi(\Omega^{\Omega^{\Omega^2}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,0)$	$\psi(\Omega^{\Omega^{\Omega^\omega}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)$	$\psi(\Omega^{\Omega^{\Omega^\Omega}})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(5,1)(6,1)$	$\psi(\Omega^{\Omega^{\Omega^{\Omega^\Omega}}})$
$(0,0)(1,1)(2,2)$	$\psi(\psi_1(0))$
$(0,0)(1,1)(2,2)(1,1)$	$\psi(\psi_1(0) + 1)$
$(0,0)(1,1)(2,2)(1,1)(2,2)$	$\psi(\psi_1(0) \cdot 2)$
$(0,0)(1,1)(2,2)(2,0)$	$\psi(\psi_1(0) \cdot \omega)$
$(0,0)(1,1)(2,2)(2,1)$	$\psi(\psi_1(0) \cdot \Omega)$
$(0,0)(1,1)(2,2)(2,1)(3,1)$	$\psi(\psi_1(0) \cdot \Omega^\Omega)$
$(0,0)(1,1)(2,2)(2,1)(3,2)$	$\psi(\psi_1(0)^2)$
$(0,0)(1,1)(2,2)(2,1)(3,2)(3,1)$	$\psi(\psi_1(0)^\Omega)$
$(0,0)(1,1)(2,2)(2,1)-$ $-(3,2)(3,1)(4,2)$	$\psi(\psi_1(0)^{\psi_1(0)})$
$(0,0)(1,1)(2,2)(2,2)$	$\psi(\psi_1(1))$
$(0,0)(1,1)(2,2)(3,0)$	$\psi(\psi_1(\omega))$
$(0,0)(1,1)(2,2)(3,0)(4,1)$	$\psi(\psi_1(\psi(0)))$
$(0,0)(1,1)(2,2)(3,0)(4,1)(5,2)$	$\psi(\psi_1(\psi(\psi_1(0))))$
$(0,0)(1,1)(2,2)(3,1)$	$\psi(\psi_1(\Omega))$
$(0,0)(1,1)(2,2)(3,1)(4,2)$	$\psi(\psi_1(\psi_1(0)))$
$(0,0)(1,1)(2,2)(3,2)$	$\psi(\Omega_2)$
$(0,0)(1,1)(2,2)(3,2)(1,1)(2,2)$	$\psi(\Omega_2 + \psi_1(0))$
$(0,0)(1,1)(2,2)(3,2)-$ $-(1,1)(2,2)(3,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2))$
$(0,0)(1,1)(2,2)(3,2)-$ $-(1,1)(2,2)(3,2)(1,1)(2,2)(3,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot 2)$

BMS	Madore's OCF
$(0,0)(1,1)(2,2)(3,2)(2,0)$	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \omega)$
$(0,0)(1,1)(2,2)(3,2)(2,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \Omega)$
$(0,0)(1,1)(2,2)(3,2)(2,1)(3,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \Omega^\Omega)$
$(0,0)(1,1)(2,2)(3,2)(2,1)(3,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi_1(0))$
$(0,0)(1,1)(2,2)(3,2)-(2,1)(3,2)(3,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi_1(1))$
$(0,0)(1,1)(2,2)(3,2)-(2,1)(3,2)(4,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi_1(\Omega))$
$(0,0)(1,1)(2,2)(3,2)-(2,1)(3,2)(4,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2)^2)$
$(0,0)(1,1)(2,2)(3,2)(2,1)-(3,2)(4,2)(2,1)(3,2)(4,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2)^3)$
$(0,0)(1,1)(2,2)(3,2)-(2,1)(3,2)(4,2)(3,0)$	$\psi(\Omega_2 + \psi_1(\Omega_2)^\omega)$
$(0,0)(1,1)(2,2)(3,2)-(2,1)(3,2)(4,2)(3,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2)^\Omega)$
$(0,0)(1,1)(2,2)(3,2)-(2,1)(3,2)(4,2)(3,1)(4,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2)^{\psi_1(0)})$
$(0,0)(1,1)(2,2)(3,2)(2,1)-(3,2)(4,2)(3,1)(4,2)(5,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2)^{\psi_1(\Omega_2)})$
$(0,0)(1,1)(2,2)(3,2)(2,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + 1))$
$(0,0)(1,1)(2,2)(3,2)(2,2)(3,0)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \omega))$
$(0,0)(1,1)(2,2)(3,2)(2,2)(3,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \Omega))$
$(0,0)(1,1)(2,2)(3,2)-(2,2)(3,1)(4,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(0)))$
$(0,0)(1,1)(2,2)(3,2)-(2,2)(3,1)(4,2)(5,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2)))$
$(0,0)(1,1)(2,2)(3,2)(2,2)(3,2)$	$\psi(\Omega_2 \cdot 2)$
$(0,0)(1,1)(2,2)(3,2)(3,0)$	$\psi(\Omega_2 \cdot \omega)$
$(0,0)(1,1)(2,2)(3,2)(3,1)$	$\psi(\Omega_2 \cdot \Omega)$
$(0,0)(1,1)(2,2)(3,2)(3,2)$	$\psi(\Omega_2^2)$
$(0,0)(1,1)(2,2)(3,2)(3,2)(3,2)$	$\psi(\Omega_2^3)$
$(0,0)(1,1)(2,2)(3,2)(4,0)$	$\psi(\Omega_2^\omega)$

BMS	Madore's OCF
$(0,0)(1,1)(2,2)(3,2)(4,1)$	$\psi(\Omega_2^\Omega)$
$(0,0)(1,1)(2,2)(3,2)(4,2)$	$\psi(\Omega_2^{\Omega_2})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(5,2)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2}})$
$(0,0)(1,1)(2,2)(3,3)$	$\psi(\psi_2(0))$
$(0,0)(1,1)(2,2)(3,3)(4,3)$	$\psi(\Omega_3)$
$(0,0)(1,1)(2,2)(3,3)-$ $-(4,3)(3,3)(4,3)$	$\psi(\Omega_3 \cdot 2)$
$(0,0)(1,1)(2,2)(3,3)(4,3)(4,3)$	$\psi(\Omega_3^2)$
$(0,0)(1,1)(2,2)(3,3)(4,3)(5,3)$	$\psi(\Omega_3^{\Omega_3})$
$(0,0)(1,1)(2,2)(3,3)(4,4)$	$\psi(\psi_3(0))$
$(0,0)(1,1)(2,2)(3,3)(4,4)(5,4)$	$\psi(\Omega_4)$
$(0,0)(1,1)(2,2)(3,3)(4,4)(5,5)$	$\psi(\psi_4(0))$
$(0,0,0)(1,1,1)$	$\psi(\Omega_\omega)$
$(0,0,0)(1,1,1)(1,0,0)$	$\psi(\Omega_\omega) \cdot \omega$
$(0,0,0)(1,1,1)(1,0,0)(2,0,0)$	$\psi(\Omega_\omega) \cdot \omega^\omega$
$(0,0,0)(1,1,1)(1,0,0)(2,1,0)$	$\psi(\Omega_\omega) \cdot \psi(0)$
$(0,0,0)(1,1,1)(1,0,0)(2,1,0)(3,1,0)$	$\psi(\Omega_\omega) \cdot \psi(\Omega)$
$(0,0,0)(1,1,1)(1,0,0)(2,1,0)(3,2,0)$	$\psi(\Omega_\omega) \cdot \psi(\psi_1(0))$
$(0,0,0)(1,1,1)(1,0,0)-$ $-(2,1,0)(3,2,0)(4,3,0)$	$\psi(\Omega_\omega) \cdot \psi(\psi_2(0))$
$(0,0,0)(1,1,1)(1,0,0)(2,1,1)$	$\psi(\Omega_\omega)^2$
$(0,0,0)(1,1,1)(1,0,0)-$ $-(2,1,1)(1,0,0)(2,1,1)$	$\psi(\Omega_\omega)^3$
$(0,0,0)(1,1,1)(1,0,0)(2,1,1)(2,0,0)$	$\psi(\Omega_\omega)^\omega$
$(0,0,0)(1,1,1)(1,0,0)-$ $-(2,1,1)(2,0,0)(3,1,1)$	$\psi(\Omega_\omega)^{\psi(\Omega_\omega)}$
$(0,0,0)(1,1,1)(1,0,0)(2,1,1)-$ $-(2,0,0)(3,1,1)(3,0,0)(4,1,1)$	$\psi(\Omega_\omega)^{\psi(\Omega_\omega)^{\psi(\Omega_\omega)}}$
$(0,0,0)(1,1,1)(1,1,0)$	$\psi(\Omega_\omega + 1)$
$(0,0,0)(1,1,1)(1,1,0)(1,1,0)$	$\psi(\Omega_\omega + 2)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(1,1,0)(2,0,0)$	$\psi(\Omega_\omega + \omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,0,0)(3,0,0)$	$\psi(\Omega_\omega + \omega^\omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,0,0)(3,1,0)$	$\psi(\Omega_\omega + \psi(0))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,0,0)(3,1,0)(3,1,0)$	$\psi(\Omega_\omega + \psi(1))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,0,0)(3,1,0)(4,1,0)$	$\psi(\Omega_\omega + \psi(\Omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,0,0)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega + \psi(\psi_1(0)))$
$(0,0,0)(1,1,1)(1,1,0)(2,0,0)(3,1,1)$	$\psi(\Omega_\omega + \psi(\Omega_\omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,0,0)(3,1,1)(3,1,0)$	$\psi(\Omega_\omega + \psi(\Omega_\omega + 1))$
$(0,0,0)(1,1,1)(1,1,0)(2,0,0)-$ $-(3,1,1)(3,1,0)(4,0,0)(5,1,1)$	$\psi(\Omega_\omega + \psi(\Omega_\omega + \psi(\Omega_\omega)))$
$(0,0,0)(1,1,1)(1,1,0)(2,1,0)$	$\psi(\Omega_\omega + \Omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,1,0)(2,0,0)$	$\psi(\Omega_\omega + \Omega \cdot \omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,1,0)(2,1,0)$	$\psi(\Omega_\omega + \Omega^2)$
$(0,0,0)(1,1,1)(1,1,0)(2,1,0)(3,0,0)$	$\psi(\Omega_\omega + \Omega^\omega)$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,1,0)(3,0,0)(4,1,1)$	$\psi(\Omega_\omega + \Omega^{\psi(\Omega_\omega)})$
$(0,0,0)(1,1,1)(1,1,0)(2,1,0)(3,1,0)$	$\psi(\Omega_\omega + \Omega^\Omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)$	$\psi(\Omega_\omega + \psi_1(0))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(2,0,0)$	$\psi(\Omega_\omega + \psi_1(0) \cdot \omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(2,1,0)$	$\psi(\Omega_\omega + \psi_1(0) \cdot \Omega)$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(2,1,0)(3,2,0)$	$\psi(\Omega_\omega + \psi_1(0)^2)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(2,1,0)(3,2,0)(3,0,0)$	$\psi(\Omega_\omega + \psi_1(0)^\omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(2,1,0)(3,2,0)(3,1,0)$	$\psi(\Omega_\omega + \psi_1(0)^\Omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(2,1,0)(3,2,0)(3,1,0)(3,1,0)$	$\psi(\Omega_\omega + \psi_1(0)^{\Omega^2})$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(2,1,0)(3,2,0)(3,1,0)(4,1,0)$	$\psi(\Omega_\omega + \psi_1(0)^{\Omega^\Omega})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(2,1,0)(3,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(0)^{\psi_1(0)})$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(2,2,0)$	$\psi(\Omega_\omega + \psi_1(1))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,0,0)$	$\psi(\Omega_\omega + \psi_1(\omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,1,0)(3,0,0)$	$\psi(\Omega_\omega + \psi_1(\Omega \cdot \omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,1,0)(3,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega^2))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,1,0)(4,0,0)$	$\psi(\Omega_\omega + \psi_1(\Omega^\omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,1,0)(4,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega^\Omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(\psi_1(0)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,1,0)(4,2,0)(2,2,0)$	$\psi(\Omega_\omega + \psi_1(\psi_1(0) + 1))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,1,0)(4,2,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(\psi_1(1)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,1,0)(4,2,0)(5,0,0)$	$\psi(\Omega_\omega + \psi_1(\psi_1(\omega)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,1,0)(4,2,0)(5,1,0)$	$\psi(\Omega_\omega + \psi_1(\psi_1(\Omega)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,2,0)(2,0,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2) \cdot \omega)$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,2,0)(2,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2) \cdot \Omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(2,1,0)(3,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2) \cdot \psi_1(0))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2)^2)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(2,1,0)(3,2,0)-$ $-(4,2,0)(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2)^{\psi_1(\Omega_2)})$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,2,0)(2,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 + 1))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(2,2,0)(3,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 + \Omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(2,2,0)(3,1,0)(4,0,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 + \Omega^\omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(2,2,0)(3,1,0)(4,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 + \Omega^\Omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(2,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 + \psi_1(0)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,2,0)-$ $-(2,2,0)(3,1,0)(4,2,0)(5,1,0)(6,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 + \psi_1(\psi_1(0))))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,2,0)-$ $-(2,2,0)(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 + \psi_1(\Omega_2)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 \cdot 2))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,2,0)(3,0,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 \cdot \omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,2,0)(3,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 \cdot \Omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2 \cdot \psi_1(0)))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,2,0)(3,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2^2))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,2,0)(4,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2^\Omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,2,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2^{\Omega_2}))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega + \psi_1(\psi_2(0)))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,3,0)(3,3,0)$	$\psi(\Omega_\omega + \psi_1(\psi_2(1)))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,3,0)(4,0,0)$	$\psi(\Omega_\omega + \psi_1(\psi_2(\omega)))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,3,0)(4,1,0)$	$\psi(\Omega_\omega + \psi_1(\psi_2(\Omega)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,3,0)(4,1,0)(5,2,0)$	$\psi(\Omega_\omega + \psi_1(\psi_2(\psi_1(0))))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,3,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(\psi_2(\Omega_2)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)-$ $-(3,3,0)(4,2,0)(5,3,0)$	$\psi(\Omega_\omega + \psi_1(\psi_2(\psi_2(0))))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,3,0)(4,3,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_3))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,0)(3,3,0)(4,4,0)$	$\psi(\Omega_\omega + \psi_1(\psi_3(0)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + 1))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(2,2,0)(3,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \Omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)-$ $-(2,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \psi_1(0)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)-$ $-(2,2,0)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega + \Omega_2)$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega + \psi_2(0))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)-$ $-(2,2,0)(3,3,0)(3,3,0)$	$\psi(\Omega_\omega + \psi_2(1))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)-$ $-(2,2,0)(3,3,1)(3,3,0)$	$\psi(\Omega_\omega + \psi_2(\Omega_\omega + 1))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(3,3,0)(4,2,0)(5,3,0)$	$\psi(\Omega_\omega + \psi_2(\Omega_\omega + \psi_2(0)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(3,3,0)(4,2,0)(5,3,1)$	$\psi(\Omega_\omega + \psi_2(\Omega_\omega + \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)-$ $-(2,2,0)(3,3,1)(3,3,0)(4,3,0)$	$\psi(\Omega_\omega + \Omega_3)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)-$ $-(2,2,0)(3,3,1)(3,3,0)(4,4,0)$	$\psi(\Omega_\omega + \psi_3(0))$
$(0,0,0)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega \cdot 2)$
$(0,0,0)(1,1,1)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega \cdot 3)$
$(0,0,0)(1,1,1)(2,0,0)$	$\psi(\Omega_\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,0,0)(1,1,1)$	$\psi(\Omega_\omega \cdot \omega + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,0,0)(2,0,0)$	$\psi(\Omega_\omega \cdot \omega^2)$
$(0,0,0)(1,1,1)(2,0,0)(3,1,0)$	$\psi(\Omega_\omega \cdot \psi(0))$



BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,0,0)(3,1,1)$	$\psi(\Omega_\omega \cdot \psi(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,0,0)(3,1,1)(3,1,1)$	$\psi(\Omega_\omega \cdot \psi(\Omega_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,0,0)-$ $-(3,1,1)(4,0,0)(5,1,1)$	$\psi(\Omega_\omega \cdot \psi(\Omega_\omega \cdot \psi(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)$	$\psi(\Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)$	$\psi(\Omega_\omega \cdot \Omega + 1)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,0,0)(3,1,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(0))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + \psi_1(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,2,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,2,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2 + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,2,0)-$ $-(2,2,0)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,2,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,2,0)(3,0,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot \omega)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(0))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,1)(4,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,1)-$ $-(4,1,0)(3,3,0)(4,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(1,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \psi_2(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,0,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(2,2,0)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \Omega_2)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,2,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \Omega_2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)-$ $-(2,2,0)(3,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \Omega_2^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(0))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(2,2,0)(3,3,1)(4,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(2,2,0)(3,3,1)-$ $-(4,1,0)(3,3,0)(4,1,0)(5,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,0)(4,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)(3,3,1)-$ $-(4,1,0)(3,3,0)(4,2,0)(5,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \psi_2(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)(3,3,1)-$ $-(4,1,0)(3,3,0)(4,2,0)(5,3,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,0)(4,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \Omega_3))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,0)(4,4,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \psi_3(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,0)(4,4,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \psi_3(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,1)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \Omega_\omega + 1))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)(3,3,1)-$ $-(4,1,0)(3,3,1)(3,3,0)(4,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,1)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega \cdot 3)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(3,0,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(3,1,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega \cdot 2 + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega \cdot 2 + \psi_1(\Omega_\omega \cdot \Omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(3,1,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega \cdot 2 + \psi_1(\Omega_\omega \cdot \Omega \cdot 2 + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(3,1,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega \cdot 2 + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega \cdot 2 + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(3,0,0)$	$\psi(\Omega_\omega \cdot \Omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,0,0)$	$\psi(\Omega_\omega \cdot \Omega^\omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,1,0)$	$\psi(\Omega_\omega \cdot \Omega^\Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega \cdot \psi_1(0))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,0)(4,2,0)$	$\psi(\Omega_\omega \cdot \psi_1(1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,0)(5,1,0)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,0)(5,1,0)(6,2,0)$	$\psi(\Omega_\omega \cdot \psi_1(\psi_1(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_2))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,0)(5,3,0)$	$\psi(\Omega_\omega \cdot \psi_1(\psi_2(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)(4,2,1)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)(5,1,0)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)(5,1,0)-$ $-(4,2,0)(5,1,0)(6,2,1)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(4,2,1)(5,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega + \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(4,2,1)(5,1,0)(4,2,0)(5,3,1)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)(5,1,0)(4,2,1)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)(5,1,0)(4,2,1)(5,1,0)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(4,2,1)(5,1,0)(6,2,0)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \psi_1(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(4,2,1)(5,1,0)(6,2,1)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(1,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(1,1,0)(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(1,1,0)(2,2,1)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \psi_1(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(1,1,0)(2,2,1)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(1,1,0)(2,2,1)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,0,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,1,0)(3,2,1)(4,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2)^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2 + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,1,0)(4,2,1)(5,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)-$ $-(3,1,0)(4,2,1)(5,2,0)(4,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2 + 1)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_2(0))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_2(\Omega_\omega \cdot \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)(3,3,0)-$ $-(4,2,0)(5,3,1)(6,2,0)(5,3,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_2(\Omega_\omega \cdot \Omega_2 + \psi_2(\Omega_\omega \cdot \Omega_2 + 1)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(3,3,0)(4,3,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(3,3,0)(4,4,1)$	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_3(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)(3,3,0)-$ $-(4,4,1)(5,2,0)(4,4,0)(5,4,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_4)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(3,3,1)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot 2)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(3,3,1)(4,0,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(3,3,1)(4,1,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(3,3,1)(4,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)(4,0,0)$	$\psi(\Omega_\omega \cdot \Omega_2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)(4,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)(5,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2^{\Omega_2})$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)(5,3,0)$	$\psi(\Omega_\omega \cdot \psi_2(0))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(5,3,0)(5,3,0)$	$\psi(\Omega_\omega \cdot \psi_2(1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)(5,3,1)$	$\psi(\Omega_\omega \cdot \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(5,3,1)(6,1,0)$	$\psi(\Omega_\omega \cdot \psi_2(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,2,0)(5,3,1)(6,2,0)$	$\psi(\Omega_\omega \cdot \psi_2(\Omega_\omega \cdot \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,3,0)$	$\psi(\Omega_\omega \cdot \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,3,0)(3,3,0)(4,4,1)(5,4,0)$	$\psi(\Omega_\omega \cdot \Omega_4)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)$	$\psi(\Omega_\omega^2 + 1)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(1,1,0)(2,1,0)$	$\psi(\Omega_\omega^2 + \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(1,1,0)(2,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(0))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,1)(4,1,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega \cdot \Omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,0)(4,3,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_3))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)(3,1,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)(5,1,0)(6,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \psi_1(\Omega_\omega))))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)(4,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \psi_2(\Omega_\omega \cdot \Omega_2)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,0)-$ $-(3,3,1)(4,2,0)(3,3,0)(4,3,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \Omega_3))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,0)-$ $-(3,3,1)(4,2,0)(3,3,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,0)-$ $-(3,3,1)(4,2,0)(3,3,1)(3,3,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot 2))$



BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,0)-$ $-(3,3,1)(4,2,0)(3,3,1)(4,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,0)-$ $-(3,3,1)(4,2,0)(4,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_2^2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,0)-$ $-(3,3,1)(4,2,0)(5,3,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \psi_2(0)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,0)-$ $-(3,3,1)(4,2,0)(5,3,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)(4,3,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega_3))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,1)(2,2,0)(3,1,0)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega^2 + \psi_1(\Omega_\omega^2)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,1)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega^2 + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,1)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega^2 + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega^2 + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,0,0)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega^2 + \Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \Omega + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)(3,2,0)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)(3,2,0)-$ $-(2,2,0)(3,3,1)(4,3,0)(3,3,1)(4,3,0)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \Omega_3)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(2,0,0)$	$\psi(\Omega_\omega^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(2,1,0)$	$\psi(\Omega_\omega^2 \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^3)$
$(0,0,0)(1,1,1)(2,1,0)(2,1,0)-$ $-(1,1,1)(2,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^3 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(2,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^4)$
$(0,0,0)(1,1,1)(2,1,0)(3,0,0)$	$\psi(\Omega_\omega^\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)$	$\psi(\Omega_\omega^\Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega^\Omega + \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\Omega_\omega^\Omega + \psi_1(\Omega_\omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(3,2,0)(2,2,1)$	$\psi(\Omega_\omega^\Omega + \psi_1(\Omega_\omega^3))$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,0,0)$	$\psi(\Omega_\omega^\Omega + \psi_1(\Omega_\omega^\omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,1,0)$	$\psi(\Omega_\omega^\Omega + \psi_1(\Omega_\omega^\Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\omega^\Omega + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(2,2,1)(2,2,1)$	$\psi(\Omega_\omega^\Omega + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega^\Omega + \Omega_\omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega^\Omega + \Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,1,0)-$ $-(2,2,1)(3,2,0)(2,2,1)$	$\psi(\Omega_\omega^\Omega + \Omega_\omega^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,1,0)-$ $-(2,2,1)(3,2,0)(4,0,0)$	$\psi(\Omega_\omega^\Omega + \Omega_\omega^\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)$	$\psi(\Omega_\omega^\Omega \cdot 2)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(3,0,0)$	$\psi(\Omega_\omega^\Omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(3,1,0)$	$\psi(\Omega_\omega^\Omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(3,2,0)(2,2,1)$	$\psi(\Omega_\omega^{\Omega+1})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(3,2,0)(4,1,0)$	$\psi(\Omega_\omega^{\Omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(4,1,0)$	$\psi(\Omega_\omega^{\Omega^2})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(5,1,0)$	$\psi(\Omega_\omega^{\Omega^\Omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\Omega_\omega^{\psi_1(0)})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,1,0)(5,2,1)$	$\psi(\Omega_\omega^{\psi_1(\Omega_\omega)})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,2,0)(5,2,1)$	$\psi(\Omega_\omega^{\psi_1(\Omega_\omega^2)})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,2,0)(7,1,0)(8,2,1)$	$\psi(\Omega_\omega^{\psi_1(\Omega_\omega^{\psi_1(\Omega_\omega)})})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,2,0)$	$\psi(\Omega_\omega^{\Omega_2})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,2,0)-$ $-(2,2,0)(3,3,1)(4,3,0)(5,3,0)$	$\psi(\Omega_\omega^{\Omega_3})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega + \Omega_\omega^2})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(2,1,0)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot \Omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(2,1,0)(3,1,0)$	$\psi(\Omega_\omega^{\Omega_\omega+\Omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(2,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot 2})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(3,1,0)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot \Omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega^2})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(4,1,0)$	$\psi(\Omega_\omega^{\Omega_\omega^\Omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(4,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega^{\Omega_\omega}})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)$	$\psi(\psi_\omega(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,1)$	$\psi(\psi_\omega(0) + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(1,1,1)(2,1,0)$	$\psi(\psi_\omega(0) + \Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,1)(2,1,0)(1,1,1)$	$\psi(\psi_\omega(0) + \Omega_\omega^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,1)(2,1,0)(3,1,0)$	$\psi(\psi_\omega(0) + \Omega_\omega^\Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,1)(2,1,0)(3,1,0)(1,1,1)$	$\psi(\psi_\omega(0) + \Omega_\omega^{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,1)(2,1,0)(3,2,0)$	$\psi(\psi_\omega(0) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(2,0,0)$	$\psi(\psi_\omega(0) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(2,1,0)$	$\psi(\psi_\omega(0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(2,1,0)(1,1,1)$	$\psi(\psi_\omega(0) \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(2,1,0)(3,2,0)$	$\psi(\psi_\omega(0)^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(3,0,0)$	$\psi(\psi_\omega(0)^\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(3,1,0)$	$\psi(\psi_\omega(0)^\Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(3,1,0)(1,1,1)$	$\psi(\psi_\omega(0)^{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(3,1,0)(4,2,0)$	$\psi(\psi_\omega(0)^{\psi_\omega(0)})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(3,1,0)(4,2,0)(4,1,0)(5,2,0)$	$\psi(\psi_\omega(0)^{\psi_\omega(0)^{\psi_\omega(0)}})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(3,2,0)$	$\psi(\psi_\omega(1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,0,0)$	$\psi(\psi_\omega(\omega))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,0,0)(5,1,1)(6,1,0)(7,2,0)$	$\psi(\psi_\omega(\psi(\psi_\omega(0))))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)$	$\psi(\psi_\omega(\Omega))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(1,1,0)$	$\psi(\psi_\omega(\Omega) + 1)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)$	$\psi(\psi_\omega(\Omega) + \psi_1(\psi_\omega(0)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)$	$\psi(\psi_\omega(\Omega) + \psi_1(\psi_\omega(\Omega)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(2,2,0)(3,2,0)$	$\psi(\psi_\omega(\Omega) + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(2,2,1)$	$\psi(\psi_\omega(\Omega) + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(2,2,1)(3,1,0)$	$\psi(\psi_\omega(\Omega) + \Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\psi_\omega(\Omega) + \Omega_\omega^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(2,2,1)(3,2,0)(4,3,0)$	$\psi(\psi_\omega(\Omega) + \psi_\omega(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(4,3,0)$	$\psi(\psi_\omega(\Omega) + \psi_\omega(1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(5,1,0)$	$\psi(\psi_\omega(\Omega) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(5,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(5,1,0)$	$\psi(\psi_\omega(\Omega) \cdot 2 + \psi_1(\psi_\omega(\Omega) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(5,1,0)(2,2,1)$	$\psi(\psi_\omega(\Omega) \cdot 2 + \Omega_\omega)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,0,0)$	$\psi(\psi_\omega(\Omega) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(3,1,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(3,1,0)(4,2,1)$	$\psi(\psi_\omega(\Omega) \cdot \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(3,1,0)(4,2,1)(5,2,0)(6,3,0)(7,1,0)$	$\psi(\psi_\omega(\Omega) \cdot \psi_1(\psi_\omega(\Omega)))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(4,3,0)(5,1,0)(3,2,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(3,2,0)(1,1,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + 1)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(4,3,0)(5,1,0)(3,2,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + \psi_1(\psi_\omega(\Omega) \cdot \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(3,2,0)(2,2,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + \psi_1(\psi_\omega(\Omega) \cdot \Omega_2 + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(2,2,0)(3,2,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(2,2,0)(3,3,1)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,3,0)(5,4,0)(6,1,0)(4,2,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + \psi_2(\psi_\omega(\Omega) \cdot \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,3,0)(5,4,0)-$ $-(6,1,0)(4,2,0)(3,3,0)(4,3,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + \Omega_3)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,3,0)-$ $-(5,4,0)(6,1,0)(4,2,0)(3,3,1)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(2,2,0)(3,3,1)(4,3,0)-$ $-(5,4,0)(6,1,0)(4,2,0)(3,3,1)-$ $-(4,3,0)(5,4,0)(6,1,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 + \psi_\omega(\Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,3,0)(5,4,0)-$ $-(6,1,0)(4,2,0)(3,3,1)(4,3,0)-$ $-(5,4,0)(6,1,0)(4,2,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,3,0)-$ $-(5,4,0)(6,1,0)(4,2,0)(4,2,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_2^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,3,0)-$ $-(5,4,0)(6,1,0)(4,2,0)(5,3,0)$	$\psi(\psi_\omega(\Omega) \cdot \psi_2(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(2,2,0)(3,3,1)-$ $-(4,3,0)(5,4,0)(6,1,0)(4,3,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(3,2,0)(2,2,1)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(2,2,1)(2,2,1)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_\omega + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(3,2,0)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_\omega + \psi_\omega(\Omega_\omega) \cdot \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,1,0)-$ $-(3,2,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(3,2,0)(2,2,1)$	$\psi(\psi_\omega(\Omega) \cdot \Omega_\omega \cdot 2)$

BMS	Madore's OCF
(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)- -(1,1,0)(2,2,1)(3,2,0)(4,3,0)- -(5,1,0)(3,2,0)(3,2,0)(2,2,1)	$\psi(\psi_\omega(\Omega) \cdot \Omega_\omega^2)$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)- -(1,1,0)(2,2,1)(3,2,0)(4,3,0)- -(5,1,0)(3,2,0)(4,2,0)(2,2,1)	$\psi(\psi_\omega(\Omega) \cdot \Omega_\omega^{\Omega_\omega})$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)- -(4,3,0)(5,1,0)(3,2,0)(4,3,0)	$\psi(\psi_\omega(\Omega) \cdot \psi_\omega(0))$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)- -(5,1,0)(3,2,0)(4,3,0)(4,3,0)	$\psi(\psi_\omega(\Omega) \cdot \psi_\omega(1))$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)- -(1,1,0)(2,2,1)(3,2,0)(4,3,0)- -(5,1,0)(3,2,0)(4,3,0)(5,1,0)	$\psi(\psi_\omega(\Omega)^2)$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)- -(4,3,0)(5,1,0)(4,0,0)	$\psi(\psi_\omega(\Omega)^\omega)$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)- -(4,3,0)(5,1,0)(4,2,0)	$\psi(\psi_\omega(\Omega)^{\Omega_2})$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)- -(4,3,0)(5,1,0)(4,2,0)(2,2,1)	$\psi(\psi_\omega(\Omega)^{\Omega_\omega})$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)- -(5,1,0)(4,2,0)(5,2,0)(2,2,1)	$\psi(\psi_\omega(\Omega)^{\Omega_\omega^{\Omega_\omega}})$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)- -(4,3,0)(5,1,0)(4,2,0)(5,3,0)	$\psi(\psi_\omega(\Omega)^{\psi_\omega(0)})$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)- -(5,1,0)(4,2,0)(5,3,0)(6,1,0)	$\psi(\psi_\omega(\Omega)^{\psi_\omega(\Omega)})$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)- -(4,3,0)(5,1,0)(4,3,0)	$\psi(\psi_\omega(\Omega + 1))$
(0,0,0)(1,1,1)(2,1,0)(3,2,0)- -(4,1,0)(1,1,0)(2,2,1)(3,2,0)- -(4,3,0)(5,1,0)(4,3,0)(4,3,0)	$\psi(\psi_\omega(\Omega + 2))$



BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(4,3,0)(5,1,0)$	$\psi(\psi_\omega(\Omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(5,1,0)$	$\psi(\psi_\omega(\Omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)-$ $-(4,3,0)(5,1,0)(6,2,0)$	$\psi(\psi_\omega(\psi_1(0)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(5,1,0)(6,2,1)(7,2,0)(8,3,0)$	$\psi(\psi_\omega(\psi_1(\psi_\omega(0))))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(5,2,0)$	$\psi(\psi_\omega(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(1,1,1)$	$\psi(\psi_\omega(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(1,1,1)(1,1,1)$	$\psi(\psi_\omega(\Omega_\omega) + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi(\psi_\omega(\Omega_\omega) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(2,1,0)(1,1,1)$	$\psi(\psi_\omega(\Omega_\omega) \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(2,1,0)(3,2,0)(4,1,0)$	$\psi(\psi_\omega(\Omega_\omega) \cdot \psi_\omega(\Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)-$ $-(2,1,0)(3,2,0)(4,1,0)(1,1,1)$	$\psi(\psi_\omega(\Omega_\omega)^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(2,1,0)(3,2,0)(4,1,0)$	$\psi(\psi_\omega(\Omega_\omega)^2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(3,2,0)$	$\psi(\psi_\omega(\Omega_\omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)$	$\psi(\psi_\omega(\Omega_\omega + \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(1,1,1)$	$\psi(\psi_\omega(\Omega_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(4,1,0)$	$\psi(\psi_\omega(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(4,1,0)(1,1,1)$	$\psi(\psi_\omega(\Omega_\omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,1,0)(5,1,0)(1,1,1)$	$\psi(\psi_\omega(\Omega_\omega^{\Omega_\omega}))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(5,2,0)$	$\psi(\psi_\omega(\psi_\omega(0)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(1,1,1)$	$\psi(\Omega_{\omega+1} + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,2,0)-$ $-(1,1,1)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(2,0,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1}) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(2,1,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1}) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1}) \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1}) \cdot \psi_\omega(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1})^2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(3,1,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1})^\Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(3,1,0)(1,1,1)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1})^{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1})^{\psi_\omega(\Omega_{\omega+1})})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(3,2,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1} + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(3,2,0)(4,1,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1} + \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(3,2,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1} + \Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1} + \psi_\omega(0)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(3,2,0)(4,1,0)(5,2,0)(6,2,0)$	$\psi(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1} + \psi_\omega(\Omega_{\omega+1})))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega+1} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,2,0)-$ $-(3,2,0)(4,2,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega+1} \cdot 3)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(4,0,0)$	$\psi(\Omega_{\omega+1} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(4,1,0)$	$\psi(\Omega_{\omega+1} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega+1} \cdot \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{\omega+1} \cdot \psi_{\omega}(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(4,1,0)(5,2,0)(6,2,0)$	$\psi(\Omega_{\omega+1} \cdot \psi_{\omega}(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{\omega+1}^2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(5,1,0)$	$\psi(\Omega_{\omega+1}^{\Omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(5,1,0)(1,1,1)$	$\psi(\Omega_{\omega+1}^{\Omega_{\omega}})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(5,1,0)(6,2,0)(7,2,0)$	$\psi(\Omega_{\omega+1}^{\psi_{\omega}(\Omega_{\omega+1})})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{\omega+1}^{\Omega_{\omega+1}})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,3,0)$	$\psi(\psi_{\omega+1}(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,3,0)(1,1,1)(2,1,0)(3,2,0)(4,3,0)$	$\psi(\psi_{\omega+1}(0) + \psi_{\omega}(\psi_{\omega+1}(0)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,3,0)(3,2,0)(4,3,0)$	$\psi(\psi_{\omega+1}(0) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(4,3,0)$	$\psi(\psi_{\omega+1}(1))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,1,0)$	$\psi(\psi_{\omega+1}(\Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,3,0)(5,1,0)(1,1,1)$	$\psi(\psi_{\omega+1}(\Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,3,0)(5,1,0)(6,2,0)$	$\psi(\psi_{\omega+1}(\psi_{\omega}(0)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,3,0)(5,1,0)(6,2,0)(7,3,0)$	$\psi(\psi_{\omega+1}(\psi_{\omega}(\psi_{\omega+1}(0))))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,2,0)$	$\psi(\psi_{\omega+1}(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,2,0)(6,3,0)$	$\psi(\psi_{\omega+1}(\psi_{\omega+1}(0)))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,3,0)$	$\psi(\Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,3,0)(5,3,0)(6,3,0)$	$\psi(\Omega_{\omega+2}^{\Omega_{\omega+2}})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,4,0)$	$\psi(\psi_{\omega+2}(0))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,4,0)(6,4,0)$	$\psi(\Omega_{\omega+3})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,1)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,1)(2,1,0)(3,2,0)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\psi_{\omega+1}(0)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(2,1,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}) \cdot \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}) \cdot \psi_{\omega}(0))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,1,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})^{\Omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(3,1,0)(4,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})^{\psi_{\omega}(\Omega_{\omega \cdot 2})})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,1,0)(5,2,1)(5,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + 1)))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,2,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,2,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1} \cdot \Omega_{\omega})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1}^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1}^{\Omega_{\omega+1}})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(3,2,0)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+1}(0))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(3,2,0)(4,3,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+1}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,3,1)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+1}(\Omega_{\omega \cdot 2} + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,3,1)(4,3,0)(5,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,3,1)(4,3,0)(5,4,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+2}(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,3,1)(4,3,0)(5,4,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+2}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \psi_{\omega}(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,1,0)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \psi_{\omega}(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega}) \cdot \psi_{\omega}(0))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,1,0)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \psi_{\omega}(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,1,0)(3,2,0)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \psi_{\omega+1}(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,1,0)(3,2,0)(4,3,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \psi_{\omega+1}(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,1)(5,1,0)(4,3,0)(5,3,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,1)(5,1,0)(4,3,0)-$ $-(5,4,1)(6,1,0)(5,4,0)(6,4,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \Omega_{\omega+3})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,1,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \Omega_{\omega \cdot 2})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,1,0)(3,2,1)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} + \Omega_{\omega \cdot 2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,1,0)(3,2,1)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,1,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega}^2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,1,0)(5,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega}(0))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,1,0)(5,2,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,1,0)(5,2,1)(6,1,0)(7,2,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega}(\Omega_{\omega \cdot 2} \cdot \psi_{\omega}(\Omega_{\omega \cdot 2})))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(3,2,0)(4,3,1)(5,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \psi_{\omega+1}(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)-$ $-(3,2,0)(4,3,1)(5,2,0)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \psi_{\omega+1}(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)-$ $-(3,2,0)(4,3,1)(5,2,0)(4,3,0)(5,3,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)-$ $-(3,2,0)(4,3,1)(5,2,0)(4,3,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)-$ $-(3,2,0)(4,3,1)(5,2,0)(4,3,1)(5,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)-$ $-(3,2,0)(4,3,1)(5,2,0)(5,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1}^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)-$ $-(3,2,0)(4,3,1)(5,2,0)(6,3,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega+1}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(3,2,0)(4,3,1)(5,3,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(3,2,0)(4,3,1)(5,3,0)-$ $-(4,3,0)(5,4,1)(6,4,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+3})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2}^2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(4,2,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2}^3)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2}^{\Omega_{\omega}})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,2,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2}^{\Omega_{\omega \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,0)$	$\psi(\psi_{\omega \cdot 2}(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,0)(5,3,0)$	$\psi(\psi_{\omega \cdot 2}(1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,0)(6,1,0)$	$\psi(\psi_{\omega \cdot 2}(\Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,0)(6,1,0)(1,1,1)$	$\psi(\psi_{\omega \cdot 2}(\Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,0)(6,2,0)(3,2,1)$	$\psi(\psi_{\omega \cdot 2}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,0)(6,2,0)(7,3,0)$	$\psi(\psi_{\omega \cdot 2}(\psi_{\omega \cdot 2}(0)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,0)(6,3,0)$	$\psi(\Omega_{\omega \cdot 2+1})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,0)(6,4,0)$	$\psi(\psi_{\omega \cdot 2+1}(0))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,1)$	$\psi(\Omega_{\omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(5,3,1)$	$\psi(\Omega_{\omega \cdot 3} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 3} \cdot \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,2,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 3} \cdot \Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,0)(5,3,1)$	$\psi(\Omega_{\omega \cdot 3}^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,0)(7,4,0)$	$\psi(\psi_{\omega \cdot 3}(0))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,0)(7,4,1)$	$\psi(\Omega_{\omega \cdot 4})$
$(0,0,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(0))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega+1}))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)-$ $-(1,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,0)(5,3,1)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega \cdot 3}))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(3,2,0)-$ $-(4,1,0)(5,2,1)(6,2,1)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega^2})))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(3,2,1)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(3,2,1)(4,2,0)(5,3,0)$	$\psi(\Omega_{\omega^2} + \psi_{\omega \cdot 2}(0))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(3,2,1)-$ $-(3,2,0)(4,3,1)(5,3,1)(4,3,1)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(2,0,0)$	$\psi(\Omega_{\omega^2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(1,1,1)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,1,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega}^2)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \psi_{\omega}(0))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \psi_{\omega}(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \psi_{\omega}(\Omega_{\omega^2} \cdot \Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)(3,2,0)-$ $-(4,1,0)(5,2,1)(6,2,1)(6,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \psi_{\omega}(\Omega_{\omega^2} \cdot \Omega_{\omega} + \psi_{\omega}(\Omega_{\omega^2} \cdot \Omega_{\omega})))$



BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(4,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)(3,2,0)-$ $-(4,3,1)(5,3,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \psi_{\omega+1}(\Omega_{\omega^2} \cdot \Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)(3,2,0)-$ $-(4,3,1)(5,3,1)(5,1,0)(4,3,0)(5,3,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)(3,2,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(4,1,0)(3,2,1)(4,2,0)(5,3,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \psi_{\omega \cdot 2}(0))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(6,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \psi_{\omega \cdot 2}(\Omega_{\omega^2} \cdot \Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)-$ $-(3,2,1)(4,2,0)(5,3,1)(6,3,1)-$ $-(6,1,0)(5,3,0)(6,3,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega \cdot 2+1})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(6,1,0)(5,3,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(4,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)-$ $-(3,2,1)(4,2,1)(3,2,1)(4,2,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} + \Omega_{\omega^2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)-$ $-(3,2,1)(4,2,1)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(4,1,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega}^2)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,1,0)(5,2,0)$	$\psi(\Omega_{\omega^2} \cdot \psi_{\omega}(0))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(4,1,0)(5,2,1)(6,2,1)$	$\psi(\Omega_{\omega^2} \cdot \psi_{\omega}(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,2,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,2,0)(3,2,0)-$ $-(4,3,1)(5,3,1)(5,2,0)(4,3,1)(5,3,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega+1} + \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,2,0)-$ $-(3,2,0)(4,3,1)(5,3,1)(5,3,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,2,0)(3,2,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,0)(3,2,1)(4,2,0)-$ $-(5,3,1)(6,3,1)(6,2,0)(5,3,1)(6,3,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega \cdot 2} + \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,2,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(6,3,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega \cdot 2+1})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(4,2,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(6,3,0)(5,3,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^2)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^2 + \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)-$ $-(2,1,1)(2,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^3)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,1,0)$	$\psi(\Omega_{\omega^2}^{\Omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2}^{\Omega_{\omega}})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(3,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^{\Omega_{\omega^2}})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,2,0)$	$\psi(\psi_{\omega^2}(0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(3,2,0)(3,2,0)$	$\psi(\psi_{\omega^2}(1))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(3,2,0)(4,1,0)$	$\psi(\psi_{\omega^2}(\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(1,1,1)(2,1,1)$	$\psi(\psi_{\omega^2}(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(5,2,0)$	$\psi(\psi_{\omega^2}(\psi_{\omega^2}(0)))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega^2+1})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(3,2,0)(4,3,0)$	$\psi(\psi_{\omega^2+1}(0))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega^2+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,1)$	$\psi(\Omega_{\omega^2+\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\omega^2 \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,0)(5,3,1)(6,3,1)$	$\psi(\Omega_{\omega^2 \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,1)$	$\psi(\Omega_{\omega^3})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,1)-$ $-(1,1,1)(2,1,1)(2,1,1)$	$\psi(\Omega_{\omega^3} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,0)$	$\psi(\Omega_{\omega^3} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega^3} \cdot \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^3} \cdot \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,1,1)(2,1,1)$	$\psi(\Omega_{\omega^3}^2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,1)(2,1,0)(3,2,0)$	$\psi(\psi_{\omega^3}(0))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,1)$	$\psi(\Omega_{\omega^4})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)$	$\psi(\Omega_{\omega^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)-$ $-(1,1,1)(2,1,1)(3,0,0)$	$\psi(\Omega_{\omega^\omega} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,0,0)$	$\psi(\Omega_{\omega^\omega}^2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,0,0)(2,1,0)(3,2,0)$	$\psi(\psi_{\omega^\omega}(0))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)-$ $-(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega^\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,0,0)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega^\omega+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\omega^\omega+\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,0,0)$	$\psi(\Omega_{\omega^\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)(2,1,1)$	$\psi(\Omega_{\omega^\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,0,0)(2,1,1)(3,0,0)$	$\psi(\Omega_{\omega^\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)(3,0,0)$	$\psi(\Omega_{\omega^\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)(4,0,0)$	$\psi(\Omega_{\omega^\omega^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)(4,1,0)$	$\psi(\Omega_{\psi(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)-$ $-(4,1,0)(2,1,0)(3,2,0)$	$\psi(\psi_{\psi(0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,0,0)(4,1,0)(5,1,0)$	$\psi(\Omega_{\psi(\Omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)(4,1,1)$	$\psi(\Omega_{\psi(\Omega_\omega)})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,0,0)(4,1,1)(5,1,1)$	$\psi(\Omega_{\psi(\Omega_{\omega^2})})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)-$ $-(4,1,1)(5,1,1)(6,0,0)(7,1,0)$	$\psi(\Omega_{\psi(\Omega_{\psi(0)})})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)$	$\psi(\Omega_\Omega + 1)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\Omega + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)$	$\psi(\Omega_\Omega + \psi_1(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega + \psi_1(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,0)$	$\psi(\Omega_\Omega + \psi_1(\Omega_\Omega + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,0)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,1,0)$	$\psi(\Omega_\Omega + \psi_1(\Omega_\Omega + \psi_1(\Omega_\Omega)))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,0)(3,2,0)$	$\psi(\Omega_\Omega + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,0)(3,3,1)(4,3,1)(5,1,0)$	$\psi(\Omega_\Omega + \psi_2(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,1,0)(3,3,0)(4,3,0)$	$\psi(\Omega_\Omega + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)$	$\psi(\Omega_\Omega + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)(2,2,1)$	$\psi(\Omega_\Omega + \Omega_\omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,0)(2,2,1)$	$\psi(\Omega_\Omega + \Omega_\omega^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)$	$\psi(\Omega_\Omega + \psi_\omega(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,0)(4,3,1)(5,3,1)(6,1,0)$	$\psi(\Omega_\Omega + \psi_\omega(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,0)-$ $-(4,3,1)(5,3,1)(6,1,0)(4,3,0)(5,3,0)$	$\psi(\Omega_\Omega + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,0)-$ $-(4,3,1)(5,3,1)(6,1,0)(4,3,1)$	$\psi(\Omega_\Omega + \Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1)$	$\psi(\Omega_\Omega + \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,1)(2,2,1)(3,2,1)$	$\psi(\Omega_\Omega + \Omega_{\omega^2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,1)(3,2,0)(2,2,1)$	$\psi(\Omega_\Omega + \Omega_{\omega^2}^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,1)(3,2,0)(4,3,0)$	$\psi(\Omega_\Omega + \psi_{\omega^2}(0))$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)-$ $-(3,2,1)(3,2,0)(4,3,1)(5,3,1)-$ $-(6,1,0)(4,3,0)(5,3,0)$	$\psi(\Omega_\Omega + \Omega_{\omega^2+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1)-$ $-(3,2,0)(4,3,1)(5,3,1)(6,1,0)(4,3,1)$	$\psi(\Omega_\Omega + \Omega_{\omega^2+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)-$ $-(3,2,1)(3,2,0)(4,3,1)(5,3,1)-$ $-(6,1,0)(4,3,1)(5,3,1)$	$\psi(\Omega_\Omega + \Omega_{\omega^2 \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,1)(3,2,1)$	$\psi(\Omega_\Omega + \Omega_{\omega^3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,1)(4,0,0)$	$\psi(\Omega_\Omega + \Omega_{\omega^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,1)(4,0,0)(5,1,1)$	$\psi(\Omega_\Omega + \Omega_{\psi(\Omega_\omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1)-$ $-(4,0,0)(5,1,1)(6,1,1)(7,1,0)(5,1,0)-$ $-(6,2,1)(7,2,1)(8,1,0)(6,2,0)(7,2,0)$	$\psi(\Omega_\Omega + \Omega_{\psi(\Omega_\Omega + \Omega_2)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1)-$ $-(4,1,0)(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,1,0)$	$\psi(\Omega_\Omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,1,0)$	$\psi(\Omega_\Omega \cdot \psi_1(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)$	$\psi(\Omega_\Omega \cdot \Omega_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(2,2,1)$	$\psi(\Omega_\Omega \cdot \Omega_\omega)$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(2,2,1)(3,2,1)$	$\psi(\Omega_\Omega \cdot \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega^3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,1,0)$	$\psi(\Omega_\Omega^\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)(3,2,0)-$ $-(4,2,0)(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega^{\Omega_\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,0)$	$\psi(\psi_\Omega(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,0)(4,3,0)$	$\psi(\psi_\Omega(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,0)(5,2,0)$	$\psi(\psi_\Omega(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,0)-$ $-(5,2,0)(2,2,1)(3,2,1)(4,1,0)$	$\psi(\psi_\Omega(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,0)(5,2,0)(6,3,0)$	$\psi(\psi_\Omega(\psi_\Omega(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,0)(5,3,0)$	$\psi(\Omega_{\Omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)$	$\psi(\Omega_{\Omega+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,1)(5,3,0)(6,4,1)$	$\psi(\Omega_{\Omega+\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)-$ $-(4,1,0)(3,2,0)(4,3,1)(5,3,1)$	$\psi(\Omega_{\Omega+\omega^2})$

BMS	Madore's OCF
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,0,0)(7,1,0)	$\psi(\Omega_{\Omega+\psi(0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,0)(2,2,1)(3,2,1)(4,1,0)- -(3,2,0)(4,3,1)(5,3,1)(6,1,0)	$\psi(\Omega_{\Omega \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(2,2,0)(3,2,0)	$\psi(\Omega_{\Omega \cdot 2} + \Omega_2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(2,2,1)(3,2,1)(4,1,0)	$\psi(\Omega_{\Omega \cdot 2} + \Omega_{\Omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(2,2,1)(3,2,1)- -(4,1,0)(3,2,0)(4,3,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(2,2,1)(3,2,1)- -(4,1,0)(3,2,0)(4,3,0)(5,2,0)- -(2,2,1)(3,2,1)(4,1,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(2,2,1)(3,2,1)- -(4,1,0)(3,2,0)(4,3,0)(5,3,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(2,2,1)(3,2,1)- -(4,1,0)(3,2,0)(4,3,1)(5,3,1)(6,1,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega \cdot 2}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(3,1,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega \cdot 2}) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)(2,2,1)- -(3,2,1)(4,1,0)(3,2,0)(4,3,1)(5,3,1)- -(6,1,0)(3,2,0)(2,2,1)(3,2,1)(4,1,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega \cdot 2}) \cdot \Omega_{\Omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(3,2,0)- -(3,2,0)(2,2,1)(3,2,1)(4,1,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega \cdot 2}) \cdot \Omega_{\Omega}^2)$



BMS	Madore's OCF
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(3,2,0)(4,3,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega \cdot 2}) \cdot \psi_{\Omega}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega \cdot 2})^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,0)(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(4,3,0)	$\psi(\Omega_{\Omega \cdot 2} + \psi_{\Omega}(\Omega_{\Omega \cdot 2} + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(4,3,0)(5,3,0)	$\psi(\Omega_{\Omega \cdot 2} + \Omega_{\Omega+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(4,3,1)	$\psi(\Omega_{\Omega \cdot 2} + \Omega_{\Omega+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(4,3,1)(5,3,1)(6,1,0)	$\psi(\Omega_{\Omega \cdot 2} \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(5,2,0)	$\psi(\Omega_{\Omega \cdot 2} \cdot \Omega_2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(5,2,0)- -(2,2,1)(3,2,1)(4,1,0)	$\psi(\Omega_{\Omega \cdot 2} \cdot \Omega_{\Omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(5,3,0)- -(4,3,1)(5,3,1)(6,1,0)	$\psi(\Omega_{\Omega \cdot 2}^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,1,0)(5,3,0)- -(6,3,0)(4,3,1)(5,3,1)(6,1,0)	$\psi(\Omega_{\Omega \cdot 2}^{\Omega_{\Omega \cdot 2}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(5,3,0)(6,4,0)	$\psi(\psi_{\Omega \cdot 2}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)- -(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,1,0)(5,3,0)(6,4,0)(7,4,0)	$\psi(\Omega_{\Omega \cdot 2+1})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)-$ $-(5,3,1)(6,1,0)(5,3,0)(6,4,1)$	$\psi(\Omega_{\Omega \cdot 2 + \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)-$ $-(4,3,1)(5,3,1)(6,1,0)-$ $-(5,3,0)(6,4,1)(7,4,1)$	$\psi(\Omega_{\Omega \cdot 2 + \omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)-$ $-(4,3,1)(5,3,1)(6,1,0)(5,3,0)-$ $-(6,4,1)(7,4,1)(8,1,0)$	$\psi(\Omega_{\Omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)(3,2,1)$	$\psi(\Omega_{\Omega \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,1)(3,2,1)$	$\psi(\Omega_{\Omega \cdot \omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,1)(4,1,0)$	$\psi(\Omega_{\Omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(4,0,0)$	$\psi(\Omega_{\Omega^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(4,1,0)$	$\psi(\Omega_{\Omega^\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(4,1,0)(3,2,1)(4,1,0)$	$\psi(\Omega_{\Omega^{\Omega+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(4,1,0)(3,2,1)(4,1,0)(4,1,0)$	$\psi(\Omega_{\Omega^{\Omega \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(4,1,0)(4,1,0)$	$\psi(\Omega_{\Omega^{\Omega^2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(5,1,0)$	$\psi(\Omega_{\Omega^{\Omega^\Omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(5,2,0)$	$\psi(\Omega_{\psi_1(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(5,2,0)(6,2,0)$	$\psi(\Omega_{\psi_1(\Omega_2)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(5,2,1)$	$\psi(\Omega_{\psi_1(\Omega_\omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,1,0)$	$\psi(\Omega_{\psi_1(\Omega_\Omega)})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,1,0)(8,2,0)$	$\psi(\Omega_{\psi_1(\Omega_{\psi_1(0)})})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,2,0)$	$\psi(\Omega_{\Omega_2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)(3,2,0)$	$\psi(\Omega_{\Omega_2} + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)(3,3,1)$	$\psi(\Omega_{\Omega_2} + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,2,0)-$ $-(2,2,0)(3,3,1)(4,3,1)(5,1,0)$	$\psi(\Omega_{\Omega_2} + \psi_2(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,2,0)-$ $-(2,2,0)(3,3,1)(4,3,1)(5,2,0)$	$\psi(\Omega_{\Omega_2} + \psi_2(\Omega_{\Omega_2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(3,3,0)(4,3,0)$	$\psi(\Omega_{\Omega_2} + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(3,3,1)$	$\psi(\Omega_{\Omega_2} + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)(3,3,1)-$ $-(4,3,1)(5,2,0)(3,3,1)(4,3,1)(5,2,0)$	$\psi(\Omega_{\Omega_2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(4,3,0)-$ $-(3,3,1)(4,3,1)(5,2,0)$	$\psi(\Omega_{\Omega_2}^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(4,3,0)(5,4,0)$	$\psi(\psi_{\Omega_2}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)(3,3,1)-$ $-(4,3,1)(5,2,0)(4,3,0)(5,4,0)(6,4,0)$	$\psi(\Omega_{\Omega_2+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)(3,3,1)-$ $-(4,3,1)(5,2,0)(4,3,0)(5,4,1)$	$\psi(\Omega_{\Omega_2+\omega})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(4,3,0)-$ $-(5,4,1)(6,4,1)(7,2,0)$	$\psi(\Omega_{\Omega_2 \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(4,3,1)$	$\psi(\Omega_{\Omega_2 \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)(3,3,1)-$ $-(4,3,1)(5,2,0)(4,3,1)(5,2,0)$	$\psi(\Omega_{\Omega_2^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(5,2,0)$	$\psi(\Omega_{\Omega_2^{\Omega_2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{\psi_2(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,2,0)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,2,0)(9,3,0)$	$\psi(\Omega_{\psi_2(\Omega_{\psi_2(0)})})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,2,0)-$ $-(2,2,0)(3,3,1)(4,3,1)(5,3,0)$	$\psi(\Omega_{\Omega_3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)$	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(\Omega_{\Omega_\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\Omega_\omega} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(3,2,0)-$ $-(4,3,1)(5,3,1)(6,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} + \psi_{\omega+1}(\Omega_{\Omega_\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(3,2,1)$	$\psi(\Omega_{\Omega_\omega} + \Omega_{\omega \cdot 2})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,1,0)$	$\psi(\Omega_{\Omega_\omega} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(4,1,0)(3,2,1)(4,2,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_\omega + \Omega_{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_\omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(4,1,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_\omega^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{\Omega_\omega} \cdot \psi_\omega(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,2,0)$	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(4,2,0)(3,2,1)$	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(4,2,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,2,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega}^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,2,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega}^3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(4,2,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega}^{\Omega_\omega})$

BMS	Madore's OCF
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,1,0)(4,2,0)(5,3,0)	$\psi(\psi_{\Omega_\omega}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,2,0)- -(5,3,1)(6,3,1)(7,1,0)(1,1,1)	$\psi(\psi_{\Omega_\omega}(\Omega_{\Omega_\omega}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,2,0)	$\psi(\Omega_{\Omega_\omega+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,1,0)(4,2,0)(5,3,1)(6,3,1)- -(7,2,0)(6,3,0)(7,4,0)	$\psi(\psi_{\Omega_\omega+1}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,0)(3,2,1)(4,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,2,0)(6,3,0)- -(7,4,1)(8,4,1)(9,1,0)(1,1,1)	$\psi(\psi_{\Omega_\omega \cdot 2}(0))$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,0)(3,2,1)- -(4,2,1)(5,1,0)(4,2,1)	$\psi(\Omega_{\Omega_\omega \cdot \omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,1,0)(4,2,1)(5,1,0)	$\psi(\Omega_{\Omega_\omega \cdot \Omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,1,0)(4,2,1)(5,1,0)(1,1,1)	$\psi(\Omega_{\Omega_\omega^2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,1,0)(5,1,0)(1,1,1)	$\psi(\Omega_{\Omega_\omega^{\Omega_\omega}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,1,0)(6,2,0)	$\psi(\Omega_{\psi_\omega(0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,0)(3,2,1)(4,2,1)(5,1,0)- -(6,2,1)(7,2,1)(8,1,0)(1,1,1)	$\psi(\Omega_{\psi_\omega(\Omega_{\Omega_\omega})})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)	$\psi(\Omega_{\Omega_\omega+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(3,2,0)(4,3,1)(5,3,1)(6,3,0)	$\psi(\Omega_{\Omega_\omega+2})$

BMS	Madore's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(3,2,1)$	$\psi(\Omega_{\Omega_{\omega \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,0)(5,3,1)$	$\psi(\Omega_{\Omega_{\omega \cdot 3}})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\Omega_{\omega^2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(2,1,1)$	$\psi(\Omega_{\Omega_{\omega \cdot 3}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,0,0)$	$\psi(\Omega_{\Omega_{\omega \omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_{\Omega_{\Omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_{\Omega \omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_{\Omega_{\Omega \Omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(0))$

## A.9 BMS vs BOCF

本节的内容主要引自<sup>[2]</sup>。

BMS	Buchholz's OCF
$(0)$	$\psi(0)$
$(0)(0)$	$\psi(0) \cdot 2$
$(0)(0)(0)$	$\psi(0) \cdot 3$
$(0)(1)$	$\psi(1)$
$(0)(1)(0)$	$\psi(1) + \psi(0)$
$(0)(1)(0)(1)$	$\psi(1) \cdot 2$
$(0)(1)(0)(1)(0)(1)$	$\psi(1) \cdot 3$
$(0)(1)(1)$	$\psi(2)$
$(0)(1)(1)(0)(1)$	$\psi(2) + \psi(1)$
$(0)(1)(1)(0)(1)(1)$	$\psi(2) \cdot 2$

BMS	Buchholz's OCF
$(0)(1)(1)(1)$	$\psi(3)$
$(0)(1)(1)(1)(1)$	$\psi(4)$
$(0)(1)(2)$	$\psi(\psi(1))$
$(0)(1)(2)(1)$	$\psi(\psi(1) + \psi(0))$
$(0)(1)(2)(1)(2)$	$\psi(\psi(1) \cdot 2)$
$(0)(1)(2)(2)$	$\psi(\psi(2))$
$(0)(1)(2)(2)(2)$	$\psi(\psi(3))$
$(0)(1)(2)(3)$	$\psi(\psi(\psi(1)))$
$(0)(1)(2)(3)(1)$	$\psi(\psi(\psi(1)) + \psi(0))$
$(0)(1)(2)(3)(2)$	$\psi(\psi(\psi(1) + \psi(0)))$
$(0)(1)(2)(3)(3)$	$\psi(\psi(\psi(2)))$
$(0)(1)(2)(3)(4)$	$\psi(\psi(\psi(\psi(1))))$
$(0,0)(1,1)$	$\psi(\Omega)$
$(0,0)(1,1)(0,0)$	$\psi(\Omega) + 1$
$(0,0)(1,1)(0,0)(1,1)$	$\psi(\Omega) \cdot 2$
$(0,0)(1,1)(1,0)$	$\psi(\Omega + 1)$
$(0,0)(1,1)(1,0)(2,0)$	$\psi(\Omega + \omega)$
$(0,0)(1,1)(1,0)(2,1)$	$\psi(\Omega + \psi(\Omega))$
$(0,0)(1,1)(1,0)(2,1)(1,0)$	$\psi(\Omega + \psi(\Omega) + 1)$
$(0,0)(1,1)(1,0)(2,1)(2,0)$	$\psi(\Omega + \psi(\Omega + 1))$
$(0,0)(1,1)(1,0)(2,1)(2,0)(3,1)$	$\psi(\Omega + \psi(\Omega + \psi(\Omega)))$
$(0,0)(1,1)(1,1)$	$\psi(\Omega \cdot 2)$
$(0,0)(1,1)(1,1)(1,0)$	$\psi(\Omega \cdot 2 + 1)$
$(0,0)(1,1)(1,1)(1,0)(2,0)$	$\psi(\Omega \cdot 2 + \omega)$
$(0,0)(1,1)(1,1)(1,0)(2,1)$	$\psi(\Omega \cdot 2 + \psi(\Omega))$
$(0,0)(1,1)(1,1)(1,0)(2,1)(2,1)$	$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2))$



BMS	Buchholz's OCF
$(0,0)(1,1)(1,1)(1,0)(2,1)(2,1)(2,0)$	$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + 1))$
$(0,0)(1,1)(1,1)(1,0)-$ $-(2,1)(2,1)(2,0)(3,1)(3,1)$	$\psi(\Omega \cdot 2 + \psi(\Omega \cdot 2 + \psi(\Omega \cdot 2)))$
$(0,0)(1,1)(1,1)(1,1)$	$\psi(\Omega \cdot 3)$
$(0,0)(1,1)(1,1)(1,1)-$ $-(1,0)(2,1)(2,1)(2,1)$	$\psi(\Omega \cdot 3 + \psi(\Omega \cdot 3))$
$(0,0)(1,1)(1,1)(1,1)(1,1)$	$\psi(\Omega \cdot 4)$
$(0,0)(1,1)(1,1)(1,1)(1,1)(1,1)$	$\psi(\Omega \cdot 5)$
$(0,0)(1,1)(2,0)$	$\psi(\Omega \cdot \omega)$
$(0,0)(1,1)(2,0)(1,0)$	$\psi(\Omega \cdot \omega + 1)$
$(0,0)(1,1)(2,0)(1,0)(2,0)$	$\psi(\Omega \cdot \omega + \omega)$
$(0,0)(1,1)(2,0)(1,0)(2,1)$	$\psi(\Omega \cdot \omega + \psi(\Omega))$
$(0,0)(1,1)(2,0)(1,0)(2,1)(2,1)$	$\psi(\Omega \cdot \omega + \psi(\Omega \cdot 2))$
$(0,0)(1,1)(2,0)(1,0)(2,1)(3,0)$	$\psi(\Omega \cdot \omega + \psi(\Omega \cdot \omega))$
$(0,0)(1,1)(2,0)(1,0)(2,1)(3,0)(2,0)$	$\psi(\Omega \cdot \omega + \psi(\Omega \cdot \omega + 1))$
$(0,0)(1,1)(2,0)(1,0)-$ $-(2,1)(3,0)(2,0)(3,1)$	$\psi(\Omega \cdot \omega + \psi(\Omega \cdot \omega + \psi(\Omega)))$
$(0,0)(1,1)(2,0)(1,1)$	$\psi(\Omega \cdot (\omega + 1))$
$(0,0)(1,1)(2,0)(1,1)(1,0)$	$\psi(\Omega \cdot (\omega + 1) + 1)$
$(0,0)(1,1)(2,0)(1,1)(1,0)(2,1)$	$\psi(\Omega \cdot (\omega + 1) + \psi(\Omega))$
$(0,0)(1,1)(2,0)(1,1)-$ $-(1,0)(2,1)(3,0)(2,1)$	$\psi(\Omega \cdot (\omega + 1) + \psi(\Omega \cdot (\omega + 1)))$
$(0,0)(1,1)(2,0)(1,1)(1,1)$	$\psi(\Omega \cdot (\omega + 2))$
$(0,0)(1,1)(2,0)(1,1)(1,1)(1,1)$	$\psi(\Omega \cdot (\omega + 3))$
$(0,0)(1,1)(2,0)(1,1)(2,0)$	$\psi(\Omega \cdot (\omega \cdot 2))$
$(0,0)(1,1)(2,0)(1,1)(2,0)(1,1)$	$\psi(\Omega \cdot (\omega \cdot 2 + 1))$
$(0,0)(1,1)(2,0)(1,1)(2,0)(1,1)(2,0)$	$\psi(\Omega \cdot (\omega \cdot 3))$
$(0,0)(1,1)(2,0)(2,0)$	$\psi(\Omega \cdot \omega^2)$
$(0,0)(1,1)(2,0)(2,0)(1,1)$	$\psi(\Omega \cdot (\omega^2 + 1))$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,0)(2,0)(1,1)(2,0)(2,0)$	$\psi(\Omega \cdot \omega^2 \cdot 2)$
$(0,0)(1,1)(2,0)(2,0)(2,0)$	$\psi(\Omega \cdot \omega^3)$
$(0,0)(1,1)(2,0)(3,0)$	$\psi(\Omega \cdot \omega^\omega)$
$(0,0)(1,1)(2,0)(3,0)(4,0)$	$\psi(\Omega \cdot \omega^{\omega^\omega})$
$(0,0)(1,1)(2,0)(3,1)$	$\psi(\Omega \cdot \psi(\Omega))$
$(0,0)(1,1)(2,0)(3,1)(3,1)$	$\psi(\Omega \cdot \psi(\Omega \cdot 2))$
$(0,0)(1,1)(2,0)(3,1)(4,0)$	$\psi(\Omega \cdot \psi(\Omega \cdot \omega))$
$(0,0)(1,1)(2,0)(3,1)(4,0)(5,1)$	$\psi(\Omega \cdot \psi(\Omega \cdot \psi(\Omega)))$
$(0,0)(1,1)(2,1)$	$\psi(\Omega^2)$
$(0,0)(1,1)(2,1)(1,0)$	$\psi(\Omega^2 + 1)$
$(0,0)(1,1)(2,1)(1,0)(2,1)$	$\psi(\Omega^2 + \psi(\Omega))$
$(0,0)(1,1)(2,1)(1,0)(2,1)(3,1)$	$\psi(\Omega^2 + \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(1,1)$	$\psi(\Omega^2 + \Omega)$
$(0,0)(1,1)(2,1)(1,1)(1,1)$	$\psi(\Omega^2 + \Omega \cdot 2)$
$(0,0)(1,1)(2,1)(1,1)(2,0)$	$\psi(\Omega^2 + \Omega \cdot \omega)$
$(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)$	$\psi(\Omega^2 + \Omega \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)(4,1)$	$\psi(\Omega^2 + \Omega \cdot \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(1,1)(2,1)$	$\psi(\Omega^2 \cdot 2)$
$(0,0)(1,1)(2,1)(1,1)(2,1)(1,1)$	$\psi(\Omega^2 \cdot 2 + \Omega)$
$(0,0)(1,1)(2,1)(1,1)(2,1)(1,1)(2,0)$	$\psi(\Omega^2 \cdot 2 + \Omega \cdot \omega)$
$(0,0)(1,1)(2,1)(1,1)(2,1)(1,1)(2,1)$	$\psi(\Omega^2 \cdot 3)$
$(0,0)(1,1)(2,1)(2,0)$	$\psi(\Omega^2 \cdot \omega)$
$(0,0)(1,1)(2,1)(2,0)(1,1)$	$\psi(\Omega^2 \cdot \omega + \Omega)$
$(0,0)(1,1)(2,1)(2,0)(1,1)(2,1)$	$\psi(\Omega^2 \cdot (\omega + 1))$
$(0,0)(1,1)(2,1)(2,0)(2,0)$	$\psi(\Omega^2 \cdot \omega \cdot 2)$
$(0,0)(1,1)(2,1)(2,0)(3,0)$	$\psi(\Omega^2 \cdot \omega^2)$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(2,0)(3,0)(4,0)$	$\psi(\Omega^2 \cdot \omega^\omega)$
$(0,0)(1,1)(2,1)(2,0)(3,1)$	$\psi(\Omega^2 \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(2,0)(3,1)(3,1)$	$\psi(\Omega^2 \cdot \psi(\Omega \cdot 2))$
$(0,0)(1,1)(2,1)(2,0)(3,1)(4,1)$	$\psi(\Omega^2 \cdot \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(2,0)(3,1)(4,1)(4,0)$	$\psi(\Omega^2 \cdot \psi(\Omega^2 \cdot \omega))$
$(0,0)(1,1)(2,1)(2,1)$	$\psi(\Omega^3)$
$(0,0)(1,1)(2,1)(2,1)(1,0)$	$\psi(\Omega^3 + 1)$
$(0,0)(1,1)(2,1)(2,1)(1,0)(2,1)$	$\psi(\Omega^3 + \psi(\Omega))$
$(0,0)(1,1)(2,1)(2,1)-$ $-(1,0)(2,1)(3,1)(3,1)$	$\psi(\Omega^3 + \psi(\Omega^3))$
$(0,0)(1,1)(2,1)(2,1)(1,1)$	$\psi(\Omega^3 + \Omega)$
$(0,0)(1,1)(2,1)(2,1)(1,1)(1,1)$	$\psi(\Omega^3 + \Omega \cdot 2)$
$(0,0)(1,1)(2,1)(2,1)(1,1)(2,0)$	$\psi(\Omega^3 + \Omega \cdot \omega)$
$(0,0)(1,1)(2,1)(2,1)(1,1)(2,0)(3,1)$	$\psi(\Omega^3 + \Omega \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(2,1)(1,1)-$ $-(2,0)(3,1)(4,1)(4,1)$	$\psi(\Omega^3 + \Omega \cdot \psi(\Omega^3))$
$(0,0)(1,1)(2,1)(2,1)(1,1)(2,1)$	$\psi(\Omega^3 + \Omega^2)$
$(0,0)(1,1)(2,1)(2,1)(1,1)(2,1)(2,1)$	$\psi(\Omega^3 \cdot 2)$
$(0,0)(1,1)(2,1)(2,1)(2,0)$	$\psi(\Omega^3 \cdot \omega)$
$(0,0)(1,1)(2,1)(2,1)-$ $-(2,0)(1,1)(2,1)(2,1)$	$\psi(\Omega^3 \cdot (\omega + 1))$
$(0,0)(1,1)(2,1)(2,1)(2,0)(2,0)$	$\psi(\Omega^3 \cdot \omega \cdot 2)$
$(0,0)(1,1)(2,1)(2,1)(2,0)(3,0)$	$\psi(\Omega^3 \cdot \omega^2)$
$(0,0)(1,1)(2,1)(2,1)(2,0)(3,1)$	$\psi(\Omega^3 \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(2,1)-$ $-(2,0)(3,1)(4,1)(4,1)$	$\psi(\Omega^3 \cdot \psi(\Omega^3))$
$(0,0)(1,1)(2,1)(2,1)(2,1)$	$\psi(\Omega^4)$
$(0,0)(1,1)(2,1)(2,1)(2,1)(1,1)$	$\psi(\Omega^4 + \Omega)$
$(0,0)(1,1)(2,1)(2,1)(2,1)(2,0)$	$\psi(\Omega^4 \cdot \omega)$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(2,1)(2,1)(2,1)$	$\psi(\Omega^5)$
$(0,0)(1,1)(2,1)(3,0)$	$\psi(\Omega^\omega)$
$(0,0)(1,1)(2,1)(3,0)(1,0)$	$\psi(\Omega^\omega + 1)$
$(0,0)(1,1)(2,1)(3,0)(1,0)(2,0)$	$\psi(\Omega^\omega + \omega)$
$(0,0)(1,1)(2,1)(3,0)(1,0)(2,1)$	$\psi(\Omega^\omega + \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,0)(1,0)(2,1)(3,1)$	$\psi(\Omega^\omega + \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(3,0)-$ $-(1,0)(2,1)(3,1)(4,0)$	$\psi(\Omega^\omega + \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(3,0)(1,1)$	$\psi(\Omega^\omega + \Omega)$
$(0,0)(1,1)(2,1)(3,0)(1,1)(1,1)$	$\psi(\Omega^\omega + \Omega \cdot 2)$
$(0,0)(1,1)(2,1)(3,0)(1,1)(2,0)$	$\psi(\Omega^\omega + \Omega \cdot \omega)$
$(0,0)(1,1)(2,1)(3,0)(1,1)(2,0)(3,1)$	$\psi(\Omega^\omega + \Omega \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,0)(1,1)(2,1)$	$\psi(\Omega^\omega + \Omega^2)$
$(0,0)(1,1)(2,1)(3,0)(1,1)(2,1)(3,0)$	$\psi(\Omega^\omega \cdot 2)$
$(0,0)(1,1)(2,1)(3,0)(2,0)$	$\psi(\Omega^\omega \cdot \omega)$
$(0,0)(1,1)(2,1)(3,0)(2,0)(3,1)$	$\psi(\Omega^\omega \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,0)(2,1)$	$\psi(\Omega^{\omega+1})$
$(0,0)(1,1)(2,1)(3,0)(2,1)(2,0)$	$\psi(\Omega^{\omega+1} \cdot \omega)$
$(0,0)(1,1)(2,1)(3,0)(2,1)(2,1)$	$\psi(\Omega^{\omega+2})$
$(0,0)(1,1)(2,1)(3,0)(2,1)(3,0)$	$\psi(\Omega^{\omega \cdot 2})$
$(0,0)(1,1)(2,1)(3,0)(2,1)(3,0)(2,1)$	$\psi(\Omega^{\omega \cdot 2+1})$
$(0,0)(1,1)(2,1)(3,0)(3,0)$	$\psi(\Omega^{\omega \cdot 3})$
$(0,0)(1,1)(2,1)(3,0)(4,0)$	$\psi(\Omega^{\omega^2})$
$(0,0)(1,1)(2,1)(3,0)(4,1)$	$\psi(\Omega^{\psi(\Omega)})$
$(0,0)(1,1)(2,1)(3,0)(4,1)(5,1)$	$\psi(\Omega^{\psi(\Omega^2)})$
$(0,0)(1,1)(2,1)(3,0)(4,1)(5,1)(6,0)$	$\psi(\Omega^{\psi(\Omega^\omega)})$
$(0,0)(1,1)(2,1)(3,0)-$ $-(4,1)(5,1)(6,0)(7,1)(8,1)$	$\psi(\Omega^{\psi(\Omega^{\psi(\Omega^\omega)})})$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(3,1)$	$\psi(\Omega^\Omega)$
$(0,0)(1,1)(2,1)(3,1)(1,0)$	$\psi(\Omega^\Omega + 1)$
$(0,0)(1,1)(2,1)(3,1)(1,0)(2,0)$	$\psi(\Omega^\Omega + \omega)$
$(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)$	$\psi(\Omega^\Omega + \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)(3,1)$	$\psi(\Omega^\Omega + \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,0)(2,1)(3,1)(4,0)$	$\psi(\Omega^\Omega + \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,0)(2,1)(3,1)(4,1)$	$\psi(\Omega^\Omega + \psi(\Omega^\Omega))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,0)(2,1)(3,1)(4,1)(2,0)$	$\psi(\Omega^\Omega + \psi(\Omega^\Omega + 1))$
$(0,0)(1,1)(2,1)(3,1)(1,0)-$ $-(2,1)(3,1)(4,1)(2,0)(3,1)$	$\psi(\Omega^\Omega + \psi(\Omega^\Omega + \psi(\Omega)))$
$(0,0)(1,1)(2,1)(3,1)(1,0)-$ $-(2,1)(3,1)(4,1)(2,0)(3,1)(4,1)$	$\psi(\Omega^\Omega + \psi(\Omega^\Omega + \psi(\Omega^2)))$
$(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)-$ $-(3,1)(4,1)(2,0)(3,1)(4,1)(5,0)$	$\psi(\Omega^\Omega + \psi(\Omega^\Omega + \psi(\Omega^\omega)))$
$(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)-$ $-(3,1)(4,1)(2,0)(3,1)(4,1)(5,1)$	$\psi(\Omega^\Omega + \psi(\Omega^\Omega + \psi(\Omega^\Omega)))$
$(0,0)(1,1)(2,1)(3,1)(1,1)$	$\psi(\Omega^\Omega + \Omega)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(1,0)$	$\psi(\Omega^\Omega + \Omega + 1)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(1,0)(2,1)$	$\psi(\Omega^\Omega + \Omega + \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(1,0)(2,1)(3,1)(4,1)$	$\psi(\Omega^\Omega + \Omega + \psi(\Omega^\Omega))$
$(0,0)(1,1)(2,1)(3,1)(1,1)(1,1)$	$\psi(\Omega^\Omega + \Omega \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,0)$	$\psi(\Omega^\Omega + \Omega \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,0)(3,1)$	$\psi(\Omega^\Omega + \Omega \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,0)(3,1)(4,1)(5,1)$	$\psi(\Omega^\Omega + \Omega \cdot \psi(\Omega^\Omega))$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)$	$\psi(\Omega^\Omega + \Omega^2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(1,0)(2,1)$	$\psi(\Omega^\Omega + \Omega^2 + \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(1,0)(2,1)(3,1)(4,1)$	$\psi(\Omega^\Omega + \Omega^2 + \psi(\Omega^\Omega))$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(1,1)$	$\psi(\Omega^\Omega + \Omega^2 + \Omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(1,1)(1,1)$	$\psi(\Omega^\Omega + \Omega^2 + \Omega \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(1,1)(2,1)$	$\psi(\Omega^\Omega + \Omega^2 \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(1,1)(2,1)(1,1)(2,1)$	$\psi(\Omega^\Omega + \Omega^2 \cdot 3)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(2,0)$	$\psi(\Omega^\Omega + \Omega^2 \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(2,0)(3,1)$	$\psi(\Omega^\Omega + \Omega^2 \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(2,0)(3,1)(4,1)(5,1)$	$\psi(\Omega^\Omega + \Omega^2 \cdot \psi(\Omega^\Omega))$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(2,1)$	$\psi(\Omega^\Omega + \Omega^3)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(2,1)(1,1)$	$\psi(\Omega^\Omega + \Omega^3 + \Omega)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(2,1)(1,1)(2,1)(2,1)$	$\psi(\Omega^\Omega + \Omega^3 \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(2,1)(2,0)$	$\psi(\Omega^\Omega + \Omega^3 \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(2,1)(2,1)$	$\psi(\Omega^\Omega + \Omega^4)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0)$	$\psi(\Omega^\Omega + \Omega^\omega)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(1,1)(2,1)(3,0)$	$\psi(\Omega^\Omega + \Omega^\omega \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,0)(2,0)$	$\psi(\Omega^\Omega + \Omega^\omega \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,0)(2,1)$	$\psi(\Omega^\Omega + \Omega^{\omega+1})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(2,1)(3,0)$	$\psi(\Omega^\Omega + \Omega^{\omega \cdot 2})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,0)(3,0)$	$\psi(\Omega^\Omega + \Omega^{\omega^2})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,0)(4,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)(2,0)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)} \cdot \omega)$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)(2,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+1})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)(3,0)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega)+\omega})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)(4,0)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega) \cdot \omega})$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)(4,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(4,1)-$ $-(5,1)(6,0)(7,1)(8,1)(9,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega^{\psi(\Omega^\Omega)})})$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,0)(4,1)(5,1)(6,1)(4,1)(5,1)-$ $-(6,0)(7,1)(8,1)(9,1)(5,1)$	$\psi(\Omega^\Omega + \Omega^{\psi(\Omega^\Omega+\Omega^{\psi(\Omega^\Omega)+1})})$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,1)$	$\psi(\Omega^\Omega \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(1,1)(2,1)(3,1)(1,1)$	$\psi(\Omega^\Omega \cdot 2 + \Omega)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,1)(1,1)(2,1)$	$\psi(\Omega^\Omega \cdot 2 + \Omega^2)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,1)(1,1)(2,1)(2,1)$	$\psi(\Omega^\Omega \cdot 2 + \Omega^3)$
$(0,0)(1,1)(2,1)(3,1)(1,1)-$ $-(2,1)(3,1)(1,1)(2,1)(3,1)$	$\psi(\Omega^\Omega \cdot 3)$
$(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)-$ $-(3,1)(1,1)(2,1)(3,1)(1,1)(2,1)(3,1)$	$\psi(\Omega^\Omega \cdot 4)$
$(0,0)(1,1)(2,1)(3,1)(2,0)$	$\psi(\Omega^\Omega \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)(2,0)(3,1)$	$\psi(\Omega^\Omega \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,1)(2,0)(3,1)(4,1)$	$\psi(\Omega^\Omega \cdot \psi(\Omega^2))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,0)(3,1)(4,1)(5,1)$	$\psi(\Omega^\Omega \cdot \psi(\Omega^\Omega))$
$(0,0)(1,1)(2,1)(3,1)(2,0)(3,1)-$ $-(4,1)(5,1)(4,0)(5,1)(6,1)(7,1)$	$\psi(\Omega^\Omega \cdot \psi(\Omega^\Omega \cdot \psi(\Omega^\Omega)))$
$(0,0)(1,1)(2,1)(3,1)(2,1)$	$\psi(\Omega^{\omega+1})$
$(0,0)(1,1)(2,1)(3,1)(2,1)(1,1)$	$\psi(\Omega^{\omega+1} + \Omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(1,1)(2,1)(3,1)$	$\psi(\Omega^{\omega+1} + \Omega^\Omega)$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(3,1)(2,1)-$ $-(1,1)(2,1)(3,1)(2,1)$	$\psi(\Omega^{\omega+1} \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(2,1)(2,0)$	$\psi(\Omega^{\omega+1} \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)(2,1)(2,0)(3,1)$	$\psi(\Omega^{\omega+1} \cdot \psi(\Omega))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(2,0)(3,1)(4,1)(5,1)$	$\psi(\Omega^{\omega+1} \cdot \psi(\Omega^\Omega))$
$(0,0)(1,1)(2,1)(3,1)(2,1)(2,1)$	$\psi(\Omega^{\omega+2})$
$(0,0)(1,1)(2,1)(3,1)(2,1)(3,0)$	$\psi(\Omega^{\Omega+\omega})$
$(0,0)(1,1)(2,1)(3,1)(2,1)(3,0)(4,1)$	$\psi(\Omega^{\Omega+\psi(\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(2,1)(3,1)$	$\psi(\Omega^{\omega \cdot 2})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(2,1)(3,1)(2,1)(3,1)$	$\psi(\Omega^{\omega \cdot 3})$
$(0,0)(1,1)(2,1)(3,1)(3,0)$	$\psi(\Omega^{\Omega \cdot \omega})$
$(0,0)(1,1)(2,1)(3,1)(3,0)(4,1)$	$\psi(\Omega^{\Omega \cdot \psi(\Omega)})$
$(0,0)(1,1)(2,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^2})$
$(0,0)(1,1)(2,1)(3,1)(3,1)(1,1)$	$\psi(\Omega^{\Omega^2} + \Omega)$
$(0,0)(1,1)(2,1)(3,1)(3,1)-$ $-(1,1)(2,1)(3,0)(4,1)(5,1)(6,1)(6,1)$	$\psi(\Omega^{\Omega^2} + \Omega^{\psi(\Omega^{\Omega^2})})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,1)(1,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega^2} + \Omega^\Omega)$
$(0,0)(1,1)(2,1)(3,1)(3,1)(1,1)-$ $-(2,1)(3,1)(3,0)(4,1)(5,1)(6,1)(6,1)$	$\psi(\Omega^{\Omega^2} + \Omega^{\Omega \cdot \psi(\Omega^{\Omega^2})})$
$(0,0)(1,1)(2,1)(3,1)(3,1)-$ $-(1,1)(2,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^2} \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(3,1)-$ $-(2,0)(3,1)(4,1)(5,1)(5,1)$	$\psi(\Omega^{\Omega^2} \cdot \psi(\Omega^{\Omega^2}))$
$(0,0)(1,1)(2,1)(3,1)(3,1)(2,1)$	$\psi(\Omega^{\Omega^2+1})$
$(0,0)(1,1)(2,1)(3,1)(3,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega^2+\Omega})$
$(0,0)(1,1)(2,1)(3,1)(3,1)-$ $-(2,1)(3,1)(4,0)(5,1)(6,1)(7,1)(7,1)$	$\psi(\Omega^{\Omega^2+\Omega \cdot \psi(\Omega^{\Omega^2})})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(3,1)(2,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^2 \cdot 2})$
$(0,0)(1,1)(2,1)(3,1)(3,1)(3,0)$	$\psi(\Omega^{\Omega^2 \cdot \omega})$



BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(3,1)(3,1)-$ $-(3,0)(4,1)(5,1)(6,1)(6,1)$	$\psi(\Omega^{\Omega^2} \cdot \psi(\Omega^{\Omega^2}))$
$(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^3})$
$(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^4})$
$(0,0)(1,1)(2,1)(3,1)(4,0)$	$\psi(\Omega^{\Omega^\omega})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(1,1)$	$\psi(\Omega^{\Omega^\omega} + \Omega)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(1,1)(2,1)$	$\psi(\Omega^{\Omega^\omega} + \Omega^2)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(1,1)(2,1)(2,1)$	$\psi(\Omega^{\Omega^\omega} + \Omega^3)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(1,1)(2,1)(3,0)$	$\psi(\Omega^{\Omega^\omega} + \Omega^\omega)$
$(0,0)(1,1)(2,1)(3,1)(4,0)-$ $-(1,1)(2,1)(3,0)(4,1)(5,1)(6,1)(7,0)$	$\psi(\Omega^{\Omega^\omega} + \Omega^{\psi(\Omega^{\Omega^\omega})})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(1,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega^\omega} + \Omega^\Omega)$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(1,1)(2,1)(3,1)(4,0)$	$\psi(\Omega^{\Omega^\omega} \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(2,0)$	$\psi(\Omega^{\Omega^\omega} \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)(4,0)(2,1)$	$\psi(\Omega^{\Omega^\omega+1})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(2,1)(3,0)$	$\psi(\Omega^{\Omega^\omega+\omega})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(2,1)(3,1)$	$\psi(\Omega^{\Omega^\omega+\Omega})$
$(0,0)(1,1)(2,1)(3,1)(4,0)-$ $-(2,1)(3,1)(3,0)(4,1)(5,1)(6,1)(7,0)$	$\psi(\Omega^{\Omega^\omega+\Omega} \cdot \psi(\Omega^{\Omega^\omega}))$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(2,1)(3,1)(3,1)$	$\psi(\Omega^{\Omega^\omega+\Omega^2})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(2,1)(3,1)(4,0)$	$\psi(\Omega^{\Omega^\omega \cdot 2})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(3,0)$	$\psi(\Omega^{\Omega^\omega \cdot \omega})$
$(0,0)(1,1)(2,1)(3,1)(4,0)-$ $-(3,0)(4,1)(5,1)(6,1)(7,0)$	$\psi(\Omega^{\Omega^\omega} \cdot \psi(\Omega^{\Omega^\omega}))$
$(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)$	$\psi(\Omega^{\Omega^\omega+1})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)(3,1)$	$\psi(\Omega^{\Omega^\omega+2})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)(4,0)$	$\psi(\Omega^{\Omega^\omega \cdot 2})$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(3,1)(4,0)(4,0)$	$\psi(\Omega^{\Omega^{\omega^2}})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(5,0)$	$\psi(\Omega^{\Omega^{\omega^\omega}})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(5,1)$	$\psi(\Omega^{\Omega^{\psi(\Omega)}})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,0)(5,1)(6,1)(7,1)$	$\psi(\Omega^{\Omega^{\psi(\Omega^\Omega)}})$
$(0,0)(1,1)(2,1)(3,1)(4,0)-$ $-(5,1)(6,1)(7,1)(8,0)$	$\psi(\Omega^{\Omega^{\psi(\Omega^{\Omega^\omega})}})$
$(0,0)(1,1)(2,1)(3,1)(4,0)(5,1)(6,1)-$ $-(7,1)(8,0)(9,1)(11,1)(12,1)(13)$	$\psi(\Omega^{\Omega^{\psi(\Omega^{\psi(\Omega^{\Omega^\omega})})}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)$	$\psi(\Omega^{\Omega^\Omega})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(1,1)$	$\psi(\Omega^{\Omega^\Omega} + \Omega)$
$(0,0)(1,1)(2,1)(3,1)(4,1)(1,1)-$ $-(2,1)(3,0)(4,1)(5,1)(6,1)(7,1)$	$\psi(\Omega^{\Omega^\Omega} + \Omega^{\psi(\Omega^{\Omega^\Omega})})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(1,1)(2,1)(3,1)$	$\psi(\Omega^{\Omega^\Omega} + \Omega^\Omega)$
$(0,0)(1,1)(2,1)(3,1)(4,1)(1,1)(2,1)(3,1)(4,0)$	$\psi(\Omega^{\Omega^\Omega} + \Omega^{\Omega^\omega})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(1,1)-$ $-(2,1)(3,1)(4,0)(5,1)(6,1)(7,1)(8,1)$	$\psi(\Omega^{\Omega^\Omega} + \Omega^{\Omega^{\psi(\Omega^{\Omega^\Omega})}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)-$ $-(1,1)(2,1)(3,1)(4,1)$	$\psi(\Omega^{\Omega^\Omega} \cdot 2)$
$(0,0)(1,1)(2,1)(3,1)(4,1)(2,0)$	$\psi(\Omega^{\Omega^\Omega} \cdot \omega)$
$(0,0)(1,1)(2,1)(3,1)(4,1)(2,1)$	$\psi(\Omega^{\Omega^\Omega+1})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(2,1)(3,1)(4,1)$	$\psi(\Omega^{\Omega^\Omega \cdot 2})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(3,0)$	$\psi(\Omega^{\Omega^\Omega \cdot \omega})$
$(0,0)(1,1)(2,1)(3,1)(4,1)-$ $-(3,0)(4,1)(5,1)(6,1)(7,1)$	$\psi(\Omega^{\Omega^{\Omega \cdot \psi(\Omega^{\Omega^\Omega})}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)$	$\psi(\Omega^{\Omega^{\omega+1}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)(4,0)$	$\psi(\Omega^{\Omega^{\Omega+\omega}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)(4,1)$	$\psi(\Omega^{\Omega^{\omega \cdot 2}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(4,0)$	$\psi(\Omega^{\Omega^{\Omega \cdot \omega}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(4,1)$	$\psi(\Omega^{\Omega^{\Omega^2}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(4,1)(4,1)$	$\psi(\Omega^{\Omega^{\Omega^3}})$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,0)$	$\psi(\Omega^{\Omega^\omega})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,0)(6,1)$	$\psi(\Omega^{\Omega^{\psi(\Omega)}})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(5,0)(6,1)(7,1)$	$\psi(\Omega^{\Omega^{\psi(\Omega^\Omega)}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)-$ $-(5,0)(6,1)(7,1)(8,1)$	$\psi(\Omega^{\Omega^{\psi(\Omega^{\Omega^\Omega})}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)$	$\psi(\Omega^{\Omega^{\Omega^\Omega}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)(6,0)$	$\psi(\Omega^{\Omega^{\Omega^\omega}})$
$(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)(6,1)$	$\psi(\Omega^{\Omega^{\Omega^\Omega}})$
$(0,0)(1,1)(2,1)(3,1)-$ $-(4,1)(5,1)(6,1)(7,1)$	$\psi(\Omega^{\Omega^{\Omega^{\Omega^\Omega}}})$
$(0,0)(1,1)(2,2)$	$\psi(\Omega_2)$
$(0,0)(1,1)(2,2)(1,0)$	$\psi(\Omega_2 + 1)$
$(0,0)(1,1)(2,2)(1,0)(2,1)$	$\psi(\Omega_2 + \psi(\Omega))$
$(0,0)(1,1)(2,2)(1,0)(2,1)(3,1)$	$\psi(\Omega_2 + \psi(\Omega^2))$
$(0,0)(1,1)(2,2)(1,0)(2,1)(3,2)$	$\psi(\Omega_2 + \psi(\Omega_2))$
$(0,0)(1,1)(2,2)(1,0)(2,1)-$ $-(3,2)(2,0)(3,1)(4,2)$	$\psi(\Omega_2 + \psi(\Omega_2 + \psi(\Omega_2)))$
$(0,0)(1,1)(2,2)(1,1)$	$\psi(\Omega_2 + \Omega)$
$(0,0)(1,1)(2,2)(1,1)(2,1)$	$\psi(\Omega_2 + \Omega^2)$
$(0,0)(1,1)(2,2)(1,1)-$ $-(2,1)(3,0)(4,1)(5,2)$	$\psi(\Omega_2 + \Omega^{\psi(\Omega_2)})$
$(0,0)(1,1)(2,2)(1,1)(2,1)(3,1)$	$\psi(\Omega_2 + \Omega^\Omega)$
$(0,0)(1,1)(2,2)(1,1)(2,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2))$
$(0,0)(1,1)(2,2)(1,1)(2,2)(1,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2) + \Omega)$
$(0,0)(1,1)(2,2)(1,1)(2,2)(1,1)(2,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot 2)$
$(0,0)(1,1)(2,2)(2,0)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + 1))$
$(0,0)(1,1)(2,2)(2,0)(3,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi(\Omega)))$
$(0,0)(1,1)(2,2)(2,0)(3,1)(4,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi(\Omega_2)))$
$(0,0)(1,1)(2,2)(2,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \Omega))$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,2)(2,1)(3,0)(4,1)(5,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \Omega^2))$
$(0,0)(1,1)(2,2)(2,1)-$ $-(3,0)(4,1)(5,2)(4,1)(5,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \Omega^\psi(\Omega_2 + \psi_1(\Omega_2))))$
$(0,0)(1,1)(2,2)(2,1)(3,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \Omega^\Omega))$
$(0,0)(1,1)(2,2)(2,1)(3,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2)))$
$(0,0)(1,1)(2,2)(2,1)(3,2)(1,0)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2)) + 1)$
$(0,0)(1,1)(2,2)(2,1)(3,2)(2,0)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2) + 1))$
$(0,0)(1,1)(2,2)(2,1)(3,2)(3,0)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2 + 1)))$
$(0,0)(1,1)(2,2)(2,1)(3,2)(3,1)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2 + \Omega)))$
$(0,0)(1,1)(2,2)(2,1)(3,2)(3,1)(4,2)$	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2))))$
$(0,0)(1,1)(2,2)(2,2)$	$\psi(\Omega_2 \cdot 2)$
$(0,0)(1,1)(2,2)(2,2)(1,1)(2,2)$	$\psi(\Omega_2 \cdot 2 + \psi_1(\Omega_2))$
$(0,0)(1,1)(2,2)(2,2)(1,1)(2,2)(2,2)$	$\psi(\Omega_2 \cdot 2 + \psi_1(\Omega_2 \cdot 2))$
$(0,0)(1,1)(2,2)(2,2)(2,0)$	$\psi(\Omega_2 \cdot 2 + \psi_1(\Omega_2 \cdot 2 + 1))$
$(0,0)(1,1)(2,2)(2,2)(2,1)$	$\psi(\Omega_2 \cdot 2 + \psi_1(\Omega_2 \cdot 2 + \Omega))$
$(0,0)(1,1)(2,2)(2,2)(2,2)$	$\psi(\Omega_2 \cdot 3)$
$(0,0)(1,1)(2,2)(3,0)$	$\psi(\Omega_2 \cdot \omega)$
$(0,0)(1,1)(2,2)(3,0)(4,1)$	$\psi(\Omega_2 \cdot \psi(\Omega))$
$(0,0)(1,1)(2,2)(3,0)(4,1)(5,1)$	$\psi(\Omega_2 \cdot \psi(\Omega^2))$
$(0,0)(1,1)(2,2)(3,0)(4,1)(5,2)$	$\psi(\Omega_2 \cdot \psi(\Omega_2))$
$(0,0)(1,1)(2,2)(3,1)$	$\psi(\Omega_2 \cdot \Omega)$
$(0,0)(1,1)(2,2)(3,1)(4,2)$	$\psi(\Omega_2 \cdot \psi_1(\Omega_2))$
$(0,0)(1,1)(2,2)(3,2)$	$\psi(\Omega_2^2)$
$(0,0)(1,1)(2,2)(3,2)(2,2)$	$\psi(\Omega_2^2 + \Omega_2)$
$(0,0)(1,1)(2,2)(3,2)(2,2)(3,1)$	$\psi(\Omega_2^2 + \Omega_2 \cdot \Omega)$
$(0,0)(1,1)(2,2)(3,2)-$ $-(2,2)(3,1)(4,2)(5,2)$	$\psi(\Omega_2^2 + \Omega_2 \cdot \psi_1(\Omega_2^2))$
$(0,0)(1,1)(2,2)(3,2)(2,2)(3,2)$	$\psi(\Omega_2^2 \cdot 2)$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,2)(3,2)(3,0)$	$\psi(\Omega_2^2 \cdot \omega)$
$(0,0)(1,1)(2,2)(3,2)(3,1)$	$\psi(\Omega_2^2 \cdot \Omega)$
$(0,0)(1,1)(2,2)(3,2)(3,2)$	$\psi(\Omega_2^3)$
$(0,0)(1,1)(2,2)(3,2)(4,0)$	$\psi(\Omega_2^\omega)$
$(0,0)(1,1)(2,2)(3,2)(4,1)$	$\psi(\Omega_2^\Omega)$
$(0,0)(1,1)(2,2)(3,2)(4,2)$	$\psi(\Omega_2^{\Omega_2})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(2,2)$	$\psi(\Omega_2^{\Omega_2} + \Omega_2)$
$(0,0)(1,1)(2,2)(3,2)(4,2)(2,2)(3,2)$	$\psi(\Omega_2^{\Omega_2} + \Omega_2^2)$
$(0,0)(1,1)(2,2)(3,2)(4,2)-$ $-(2,2)(3,2)(4,1)(5,2)(6,2)(7,2)$	$\psi(\Omega_2^{\Omega_2} + \Omega_2^{\psi_1(\Omega_2^{\Omega_2})})$
$(0,0)(1,1)(2,2)(3,2)-$ $-(4,2)(2,2)(3,2)(4,2)$	$\psi(\Omega_2^{\Omega_2} \cdot 2)$
$(0,0)(1,1)(2,2)(3,2)(4,2)(3,0)$	$\psi(\Omega_2^{\Omega_2} \cdot \omega)$
$(0,0)(1,1)(2,2)(3,2)(4,2)(3,1)$	$\psi(\Omega_2^{\Omega_2} \cdot \Omega)$
$(0,0)(1,1)(2,2)(3,2)(4,2)(3,2)$	$\psi(\Omega_2^{\Omega_2+1})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(3,2)(4,2)$	$\psi(\Omega_2^{\Omega_2 \cdot 2})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(4,0)$	$\psi(\Omega_2^{\Omega_2 \cdot \omega})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(4,1)$	$\psi(\Omega_2^{\Omega_2 \cdot \Omega})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(4,2)$	$\psi(\Omega_2^{\Omega_2^2})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(4,2)(4,2)$	$\psi(\Omega_2^{\Omega_2^3})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(5,0)$	$\psi(\Omega_2^{\Omega_2^\omega})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(5,1)$	$\psi(\Omega_2^{\Omega_2^\Omega})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(5,2)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2}})$
$(0,0)(1,1)(2,2)(3,2)(4,2)(5,2)(6,2)$	$\psi(\Omega_2^{\Omega_2^{\Omega_2^2}})$
$(0,0)(1,1)(2,2)(3,3)$	$\psi(\Omega_3)$
$(0,0)(1,1)(2,2)(3,3)(1,1)$	$\psi(\Omega_3 + \Omega)$
$(0,0)(1,1)(2,2)(3,3)(1,1)(2,1)(3,1)$	$\psi(\Omega_3 + \Omega^\Omega)$
$(0,0)(1,1)(2,2)(3,3)(1,1)(2,2)$	$\psi(\Omega_3 + \psi_1(\Omega_2))$

BMS	Buchholz's OCF
$(0,0)(1,1)(2,2)(3,3)(2,1)(3,2)(4,3)$	$\psi(\Omega_3 + \psi_1(\Omega_3))$
$(0,0)(1,1)(2,2)(3,3)(2,2)$	$\psi(\Omega_3 + \Omega_2)$
$(0,0)(1,1)(2,2)(3,3)(2,2)(3,2)$	$\psi(\Omega_3 + \Omega_2^2)$
$(0,0)(1,1)(2,2)(3,3)(2,2)(3,3)$	$\psi(\Omega_3 + \psi_2(\Omega_3))$
$(0,0)(1,1)(2,2)(3,3)(3,0)$	$\psi(\Omega_3 + \psi_2(\Omega_3 + 1))$
$(0,0)(1,1)(2,2)(3,3)(3,1)$	$\psi(\Omega_3 + \psi_2(\Omega_3 + \Omega))$
$(0,0)(1,1)(2,2)(3,3)(3,1)(4,2)(5,3)$	$\psi(\Omega_3 + \psi_2(\Omega_3 + \psi_1(\Omega_3)))$
$(0,0)(1,1)(2,2)(3,3)(3,2)$	$\psi(\Omega_3 + \psi_2(\Omega_3 + \Omega_2))$
$(0,0)(1,1)(2,2)(3,3)(3,2)(4,3)$	$\psi(\Omega_3 + \psi_2(\Omega_3 + \psi_2(\Omega_3)))$
$(0,0)(1,1)(2,2)(3,3)(3,3)$	$\psi(\Omega_3 \cdot 2)$
$(0,0)(1,1)(2,2)(3,3)(4,0)$	$\psi(\Omega_3 \cdot \omega)$
$(0,0)(1,1)(2,2)(3,3)(4,3)$	$\psi(\Omega_3^2)$
$(0,0)(1,1)(2,2)(3,3)(4,3)(4,3)$	$\psi(\Omega_3^3)$
$(0,0)(1,1)(2,2)(3,3)(4,3)(5,0)$	$\psi(\Omega_3^\omega)$
$(0,0)(1,1)(2,2)(3,3)(4,3)(5,3)$	$\psi(\Omega_3^{\Omega_3})$
$(0,0)(1,1)(2,2)(3,3)(4,4)$	$\psi(\Omega_4)$
$(0,0)(1,1)(2,2)(3,3)(4,4)(5,5)$	$\psi(\Omega_5)$
$(0,0)(1,1)(2,2)(3,3)(4,4)(5,5)(6,6)$	$\psi(\Omega_6)$
$(0,0,0)(1,1,1)$	$\psi(\Omega_\omega)$
$(0,0,0)(1,1,1)(0,0,0)$	$\psi(\Omega_\omega) + 1$
$(0,0,0)(1,1,1)(1,0,0)$	$\psi(\Omega_\omega + 1)$
$(0,0,0)(1,1,1)(1,0,0)(2,1,0)$	$\psi(\Omega_\omega + \psi(\Omega))$
$(0,0,0)(1,1,1)(1,0,0)(2,1,0)(3,2,0)$	$\psi(\Omega_\omega + \psi(\Omega_2))$
$(0,0,0)(1,1,1)(1,0,0)(2,1,1)$	$\psi(\Omega_\omega + \psi(\Omega_\omega))$
$(0,0,0)(1,1,1)(1,0,0)(2,1,1)(2,0,0)$	$\psi(\Omega_\omega + \psi(\Omega_\omega + 1))$
$(0,0,0)(1,1,1)(1,0,0)-$ $-(2,1,1)(2,0,0)(3,1,1)$	$\psi(\Omega_\omega + \psi(\Omega_\omega + \psi(\Omega_\omega)))$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(1,1,0)$	$\psi(\Omega_\omega + \Omega)$
$(0,0,0)(1,1,1)(1,1,0)(1,1,0)$	$\psi(\Omega_\omega + \Omega \cdot 2)$
$(0,0,0)(1,1,1)(1,1,0)(2,0,0)$	$\psi(\Omega_\omega + \Omega \cdot \omega)$
$(0,0,0)(1,1,1)(1,1,0)(2,0,0)(3,1,1)$	$\psi(\Omega_\omega + \Omega \cdot \psi(\Omega_\omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,1,0)$	$\psi(\Omega_\omega + \Omega^2)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_3))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(1,0,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega) + 1)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(1,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega) + \Omega)$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(1,1,0)(2,2,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega) + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega) \cdot 2)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,0,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + 1))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(2,0,0)(3,1,1)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \psi(\Omega_\omega)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,1,0)$	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \Omega))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,2,0)$	$\psi(\Omega_\omega + \Omega_2)$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(2,2,0)(3,3,1)(3,2,0)$	$\psi(\Omega_\omega + \psi_2(\Omega_\omega + \Omega_2))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)-$ $-(2,2,0)(3,3,1)(3,2,0)(4,3,1)$	$\psi(\Omega_\omega + \psi_2(\Omega_\omega + \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(1,1,0)(2,2,1)-$ $-(2,2,0)(3,3,1)(3,3,0)$	$\psi(\Omega_\omega + \Omega_3)$
$(0,0,0)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega \cdot 2)$
$(0,0,0)(1,1,1)(1,1,1)(1,1,0)$	$\psi(\Omega_\omega \cdot 2 + \Omega)$
$(0,0,0)(1,1,1)(1,1,1)-$ $-(1,1,0)(2,2,1)(2,2,1)$	$\psi(\Omega_\omega \cdot 2 + \psi_1(\Omega_\omega \cdot 2))$
$(0,0,0)(1,1,1)(1,1,1)(1,1,0)-$ $-(2,2,1)(2,2,1)(2,2,0)(3,3,1)(3,3,1)$	$\psi(\Omega_\omega \cdot 2 + \psi_1(\Omega_\omega \cdot 2 + \psi_2(\Omega_\omega \cdot 2)))$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega \cdot 3)$
$(0,0,0)(1,1,1)(1,1,1)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega \cdot 4)$
$(0,0,0)(1,1,1)(2,0,0)$	$\psi(\Omega_\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,0,0)(1,1,0)$	$\psi(\Omega_\omega \cdot \omega + \Omega)$
$(0,0,0)(1,1,1)(2,0,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \omega + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,0,0)-$ $-(1,1,0)(2,2,1)(3,0,0)$	$\psi(\Omega_\omega \cdot \omega + \psi_1(\Omega_\omega \cdot \omega))$
$(0,0,0)(1,1,1)(2,0,0)(1,1,0)-$ $-(2,2,1)(3,0,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \omega + \Omega_2)$
$(0,0,0)(1,1,1)(2,0,0)(1,1,0)-$ $-(2,2,1)(3,0,0)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \omega + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,0,0)(1,1,0)(2,2,1)-$ $-(3,0,0)(2,2,0)(3,3,1)(4,0,0)$	$\psi(\Omega_\omega \cdot \omega + \psi_2(\Omega_\omega \cdot \omega))$
$(0,0,0)(1,1,1)(2,0,0)(1,1,1)$	$\psi(\Omega_\omega \cdot (\omega + 1))$
$(0,0,0)(1,1,1)(2,0,0)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega \cdot (\omega + 2))$
$(0,0,0)(1,1,1)(2,0,0)(1,1,1)(2,0,0)$	$\psi(\Omega_\omega \cdot (\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,0,0)(2,0,0)$	$\psi(\Omega_\omega \cdot \omega^2)$
$(0,0,0)(1,1,1)(2,0,0)(3,1,0)$	$\psi(\Omega_\omega \cdot \psi(\Omega))$
$(0,0,0)(1,1,1)(2,0,0)(3,1,1)$	$\psi(\Omega_\omega \cdot \psi(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)$	$\psi(\Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,0,0)$	$\psi(\Omega_\omega \cdot \Omega + 1)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(1,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)(2,0,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega + \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega + \psi_2(\Omega_3)))$



BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega + \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(2,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,0,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,0,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,1,0)(3,2,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,1,0)(3,2,1)(4,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega \cdot \Omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_3))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,3,1)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega + \Omega_3))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,3,1)(3,3,1)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,3,1)(4,0,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,3,1)(4,1,0)$	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,0)(3,3,1)(4,1,0)(3,3,0)$	$\psi(\Omega_\omega \cdot \Omega + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot (\Omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(1,1,0)$	$\psi(\Omega_\omega \cdot (\Omega + 1) + \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot (\Omega + 1) + \psi_1(\Omega_\omega \cdot (\Omega + 1)))$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,0,0)$	$\psi(\Omega_\omega \cdot (\Omega + 1) + \psi_1(\Omega_\omega \cdot (\Omega + 1) + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,1,0)$	$\psi(\Omega_\omega \cdot (\Omega + 1) + \psi_1(\Omega_\omega \cdot (\Omega + 1) + \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,1,0)-$ $-(3,2,1)(4,1,0)(3,2,1)$	$\psi(\Omega_\omega \cdot (\Omega + 1) + \psi_1(\Omega_\omega \cdot (\Omega + 1) + \psi_1(\Omega_\omega \cdot (\Omega + 1))))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)$	$\psi(\Omega_\omega \cdot (\Omega + 1) + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,1,0)(3,3,1)$	$\psi(\Omega_\omega \cdot (\Omega + 1) + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(2,2,1)$	$\psi(\Omega_\omega \cdot (\Omega + 2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(2,2,1)(2,2,1)(2,2,1)$	$\psi(\Omega_\omega \cdot (\Omega + 3))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(3,0,0)$	$\psi(\Omega_\omega \cdot (\Omega + \omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(3,0,0)$	$\psi(\Omega_\omega \cdot \Omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(3,1,0)$	$\psi(\Omega_\omega \cdot \Omega^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,0,0)$	$\psi(\Omega_\omega \cdot \Omega^\omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,0)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(4,2,1)(5,1,0)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,1,0)(4,2,1)(5,1,0)(6,2,1)$	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(1,0,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + 1)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(1,1,0)$	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega)$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega \cdot (\Omega_2 + 1))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(1,1,0)(2,2,1)(3,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,0,0)$	$\psi(\Omega_\omega \cdot \Omega_2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,1,0)$	$\psi(\Omega_\omega \cdot \Omega_2 \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)$	$\psi(\Omega_\omega \cdot \Omega_2^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega \cdot \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,2,0)$	$\psi(\Omega_\omega \cdot \psi_2(\Omega_\omega \cdot \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1)-$ $-(3,2,0)(2,2,0)(3,3,1)(4,3,0)$	$\psi(\Omega_\omega \cdot \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)$	$\psi(\Omega_\omega^2 + \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(1,1,0)(2,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(1,1,0)(2,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,1)(2,1,0)(3,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega^2 + \psi_1(\Omega_\omega)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)-$ $-(2,1,0)(3,2,1)(4,2,0)(3,2,1)$	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega^2 + \psi_1(\Omega_\omega^2)))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,1)(2,2,0)$	$\psi(\Omega_\omega^2 + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(2,2,1)(2,2,0)(3,3,1)$	$\psi(\Omega_\omega^2 + \psi_2(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)-$ $-(2,2,0)(3,3,1)(4,3,0)(3,3,1)$	$\psi(\Omega_\omega^2 + \psi_2(\Omega_\omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega^2 + \Omega_\omega)$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(1,1,1)(1,1,1)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,0,0)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0)$	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(1,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(1,1,1)(2,0,0)$	$\psi(\Omega_\omega^2 \cdot 2 + \Omega_\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(1,1,1)(2,1,0)$	$\psi(\Omega_\omega^2 \cdot 2 + \Omega_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(1,1,1)-$ $-(2,1,0)(1,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^2 \cdot 3)$
$(0,0,0)(1,1,1)(2,1,0)(2,0,0)$	$\psi(\Omega_\omega^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(2,1,0)$	$\psi(\Omega_\omega^2 \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega^2 \cdot \Omega + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)(2,1,0)(1,1,0)-$ $-(2,2,1)(3,1,0)(3,1,0)(2,2,1)$	$\psi(\Omega_\omega^2 \cdot (\Omega + 1))$
$(0,0,0)(1,1,1)(2,1,0)(2,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(3,2,0)$	$\psi(\Omega_\omega^2 \cdot \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^3)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(2,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^4)$
$(0,0,0)(1,1,1)(2,1,0)(3,0,0)$	$\psi(\Omega_\omega^\omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,0,0)(4,1,1)$	$\psi(\Omega_\omega^{\psi(\Omega_\omega)})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)$	$\psi(\Omega_\omega^\Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,2,0)$	$\psi(\Omega_\omega^{\Omega_2})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(2,0,0)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(2,1,0)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot \Omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega+1})$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(2,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega+2})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(2,1,0)(3,0,0)$	$\psi(\Omega_\omega^{\Omega_\omega+\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)-$ $-(2,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(3,0,0)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(3,1,0)$	$\psi(\Omega_\omega^{\Omega_\omega \cdot \Omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega^2})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(3,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega^3})$
$(0,0,0)(1,1,1)(2,1,0)(3,1,0)(4,0,0)$	$\psi(\Omega_\omega^{\Omega_\omega^\omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(4,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega^{\Omega_\omega}})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,1,0)(4,1,0)(5,1,0)(1,1,1)$	$\psi(\Omega_\omega^{\Omega_\omega^{\Omega_\omega^{\Omega_\omega}}})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,0,0)$	$\psi(\Omega_{\omega+1} + 1)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,0)$	$\psi(\Omega_{\omega+1} + \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(1,1,0)(2,2,0)$	$\psi(\Omega_{\omega+1} + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(1,1,0)(2,2,1)$	$\psi(\Omega_{\omega+1} + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,0,0)$	$\psi(\Omega_{\omega+1} + \psi_1(\Omega_\omega \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,1,0)$	$\psi(\Omega_{\omega+1} + \psi_1(\Omega_\omega \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,2,0)$	$\psi(\Omega_{\omega+1} + \psi_1(\Omega_\omega \cdot \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\Omega_{\omega+1} + \psi_1(\Omega_\omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)$	$\psi(\Omega_{\omega+1} + \psi_1(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(2,2,0)$	$\psi(\Omega_{\omega+1} + \Omega_2)$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(2,2,0)(3,3,0)$	$\psi(\Omega_{\omega+1} + \psi_2(\Omega_3))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,3,0)(2,2,0)(3,3,1)$	$\psi(\Omega_{\omega+1} + \psi_2(\Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(2,2,0)(3,3,1)(4,3,0)$	$\psi(\Omega_{\omega+1} + \psi_2(\Omega_{\omega} + \Omega_3))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(2,2,0)(3,3,1)(4,3,0)(3,3,1)$	$\psi(\Omega_{\omega+1} + \psi_2(\Omega_{\omega}^2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)-$ $-(2,2,0)(3,3,1)(4,3,0)(5,4,0)$	$\psi(\Omega_{\omega+1} + \psi_2(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)(2,2,0)-$ $-(3,3,1)(4,3,0)(5,4,0)(3,3,0)$	$\psi(\Omega_{\omega+1} + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,1)$	$\psi(\Omega_{\omega+1} + \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(2,0,0)$	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(2,1,0)$	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \Omega))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1})))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(3,0,0)$	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(3,1,0)$	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \Omega)))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(3,2,0)$	$\psi(\Omega_{\omega+1} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,0,0)$	$\psi(\Omega_{\omega+1} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,1,0)$	$\psi(\Omega_{\omega+1} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega+1} \cdot \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{\omega+1} \cdot \psi_{\omega}(\Omega_{\omega+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega+1}^2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{\omega+1}^3)$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(5,0,0)$	$\psi(\Omega_{\omega+1}^\omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(5,1,0)$	$\psi(\Omega_{\omega+1}^\Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(5,1,0)(1,1,1)$	$\psi(\Omega_{\omega+1}^{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{\omega+1}^{\Omega_{\omega+1}})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,2,0)(5,2,0)(6,2,0)$	$\psi(\Omega_{\omega+1}^{\Omega_{\omega+1}^{\Omega_{\omega+1}}})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,3,0)$	$\psi(\Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(4,3,0)$	$\psi(\Omega_{\omega+2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,0,0)$	$\psi(\Omega_{\omega+2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,1,0)$	$\psi(\Omega_{\omega+2} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,3,0)(5,1,0)(1,1,1)$	$\psi(\Omega_{\omega+2} \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,2,0)$	$\psi(\Omega_{\omega+2} \cdot \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,3,0)$	$\psi(\Omega_{\omega+2}^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,0)-$ $-(4,3,0)(5,3,0)(6,3,0)$	$\psi(\Omega_{\omega+2}^{\Omega_{\omega+2}})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,4,0)$	$\psi(\Omega_{\omega+3})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(1,1,0)(2,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(1,1,0)(2,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,0)(2,2,1)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_1(\Omega_\omega \cdot \Omega_2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_1(\Omega_\omega^2))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(3,2,0)(2,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_1(\Omega_\omega^3))$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_1(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_1(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,0)-$ $-(2,2,1)(3,2,0)(4,3,1)(2,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,1)-$ $-(2,2,0)(3,3,1)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_2(\Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,1)-$ $-(2,2,0)(3,3,1)(4,3,0)(5,4,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_2(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,0)(2,2,1)(3,2,0)(4,3,1)(2,2,0)-$ $-(3,3,1)(4,3,0)(5,4,1)(3,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_3)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(1,1,1)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(1,1,1)(2,0,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(1,1,1)(2,1,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega}^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(1,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(2,0,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + 1))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(2,1,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \Omega))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(2,1,0)(1,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \Omega_{\omega}) + \psi_{\omega}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega+1})))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})))$



BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(3,1,0)(4,2,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}$ $+ \psi_{\omega}(\Omega_{\omega \cdot 2}))))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(3,2,0)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1}^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1}^{\Omega_{\omega+1}})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(3,2,0)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+1}(\Omega_{\omega+2}))$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(3,2,0)(4,3,1)$	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+1}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(3,2,0)(4,3,1)(4,3,0)$	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,0,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,1,0)(1,1,1)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)$	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2}^2)$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(4,2,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2}^3)$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,0,0)$	$\psi(\Omega_{\omega \cdot 2}^{\omega})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,2,0)(3,2,1)$	$\psi(\Omega_{\omega \cdot 2}^{\Omega_{\omega \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,0)$	$\psi(\Omega_{\omega \cdot 2+1})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,0)(6,4,0)$	$\psi(\Omega_{\omega \cdot 2+2})$
$(0,0,0)(1,1,1)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,1)$	$\psi(\Omega_{\omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,0)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,4,0)(7,5,1)$	$\psi(\Omega_{\omega \cdot 4})$
$(0,0,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2})$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,1)(1,1,0)$	$\psi(\Omega_{\omega^2} + \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(1,1,0)(2,2,0)$	$\psi(\Omega_{\omega^2} + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,0)(2,2,1)$	$\psi(\Omega_{\omega^2} + \psi_1(\Omega_{\omega}))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(1,1,0)(2,2,1)(3,2,1)$	$\psi(\Omega_{\omega^2} + \psi_1(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,0)-$ $-(2,2,1)(3,2,1)(2,2,0)$	$\psi(\Omega_{\omega^2} + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,1)(1,1,0)(2,2,1)-$ $-(3,2,1)(2,2,0)(3,3,1)(4,3,1)$	$\psi(\Omega_{\omega^2} + \psi_2(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)(2,0,0)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)(2,1,0)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(1,1,1)(2,1,0)(3,1,0)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega}^2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(1,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,0)(4,3,0)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega+2}))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(1,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\omega^2} + \psi_{\omega}(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(3,2,0)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(3,2,1)$	$\psi(\Omega_{\omega^2} + \Omega_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(1,1,1)-$ $-(2,1,1)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2} \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(2,0,0)$	$\psi(\Omega_{\omega^2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,0,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2} \cdot (\omega + 1))$
$(0,0,0)(1,1,1)(2,1,1)(2,0,0)-$ $-(1,1,1)(2,1,1)(2,0,0)$	$\psi(\Omega_{\omega^2} \cdot (\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(2,0,0)(2,0,0)$	$\psi(\Omega_{\omega^2} \cdot \omega^2)$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,1)(2,0,0)(3,0,0)$	$\psi(\Omega_{\omega^2} \cdot \omega^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(2,0,0)(3,1,0)$	$\psi(\Omega_{\omega^2} \cdot \psi(\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(2,0,0)(3,1,1)$	$\psi(\Omega_{\omega^2} \cdot \psi(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,0,0)(3,1,1)(4,1,1)$	$\psi(\Omega_{\omega^2} \cdot \psi(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)$	$\psi(\Omega_{\omega^2} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2} \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^2)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(2,0,0)$	$\psi(\Omega_{\omega^2}^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(2,1,0)$	$\psi(\Omega_{\omega^2}^2 \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(2,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2}^2 \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^3)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(2,1,0)(2,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^4)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,0,0)$	$\psi(\Omega_{\omega^2}^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,1,0)$	$\psi(\Omega_{\omega^2}^\Omega)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(3,1,0)(1,1,1)$	$\psi(\Omega_{\omega^2}^{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)-$ $-(3,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2}^{\Omega_{\omega^2}})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{\omega^2+1})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\omega^2+\omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\omega^2 \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,1)$	$\psi(\Omega_{\omega^3})$
$(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,1)$	$\psi(\Omega_{\omega^4})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)$	$\psi(\Omega_{\omega^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,0,0)(4,1,1)$	$\psi(\Omega_{\psi(\Omega_\omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_\Omega)$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,0,0)$	$\psi(\Omega_\Omega + 1)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)$	$\psi(\Omega_\Omega + \Omega)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,0)$	$\psi(\Omega_\Omega + \psi_1(\Omega_2))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)$	$\psi(\Omega_\Omega + \psi_1(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)$	$\psi(\Omega_\Omega + \psi_1(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega + \psi_1(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)(2,2,0)$	$\psi(\Omega_\Omega + \Omega_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1,?)$	$\psi(\Omega_\Omega + \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1)$	$\psi(\Omega_\Omega + \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,0,0)$	$\psi(\Omega_\Omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,1,0)$	$\psi(\Omega_\Omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)$	$\psi(\Omega_\Omega \cdot \Omega_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(2,2,1)$	$\psi(\Omega_\Omega \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(2,2,1)(3,2,1)(4,1,0)$	$\psi(\Omega_\Omega^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,0)$	$\psi(\Omega_{\Omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)$	$\psi(\Omega_{\Omega+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,1)(5,3,1)$	$\psi(\Omega_{\Omega+\omega^2})$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,1)(5,3,1)(6,1,0)$	$\psi(\Omega_{\Omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,1)$	$\psi(\Omega_{\Omega \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(3,2,1)(4,1,0)$	$\psi(\Omega_{\Omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(4,0,0)$	$\psi(\Omega_{\Omega^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(4,1,0)$	$\psi(\Omega_{\Omega^\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(5,1,0)$	$\psi(\Omega_{\Omega^{\Omega^\Omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(5,2,0)$	$\psi(\Omega_{\psi_1(\Omega_2)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(5,2,1)$	$\psi(\Omega_{\psi_1(\Omega_\omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,1,0)$	$\psi(\Omega_{\psi_1(\Omega_\Omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,2,0)$	$\psi(\Omega_{\Omega_2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,0)(2,2,1)(3,2,1)(4,2,0)-$ $-(2,2,0)(3,3,1)(4,3,1)(5,3,0)$	$\psi(\Omega_{\Omega_3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)$	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(\Omega_\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(\Omega_{\omega^2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)(5,1,0)$	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(\Omega_\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(\Omega_{\Omega_\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(3,2,0)$	$\psi(\Omega_{\Omega_\omega} + \Omega_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(3,2,1)$	$\psi(\Omega_{\Omega_\omega} + \Omega_{\omega \cdot 2})$

BMS	Buchholz's OCF
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\Omega_\omega} + \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(3,2,1)(4,2,1)(5,1,0)$	$\psi(\Omega_{\Omega_\omega} + \Omega_\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,0,0)$	$\psi(\Omega_{\Omega_\omega} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{\Omega_\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)$	$\psi(\Omega_{\Omega_\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\Omega_{\omega^2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,0,0)$	$\psi(\Omega_{\Omega_{(\omega^\omega)}}$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,0,0)(4,1,1)$	$\psi(\Omega_{\Omega_\psi(\Omega_\omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_{\Omega_\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(1,1,0)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)(4,1,0)-$ $-(3,2,0)(4,3,1)(5,3,1)(6,3,0)$	$\psi(\Omega_{\Omega_{\Omega+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_{\Omega_\omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_{\Omega_{\Omega_\Omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I)$

## A.10 BMS vs 反射 OCF(Madore-like)

本节的结果主要引自 [6,10-17]，所使用的反射 OCF 为梅天狸定义的 Madore-like 版本。

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(0) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,0,0)(2,0,0)$	$\psi(\psi_I(0) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)-$ $-(3,1,1)(4,1,1)(5,1,0)(4,0,0)$	$\psi(\psi_I(0) \cdot \psi(\psi_I(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)$	$\psi(\psi_I(0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(1,1,1)$	$\psi(\psi_I(0) \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)$	$\psi(\psi_I(0) \cdot \Omega_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,0)$	$\psi(\psi_I(0) \cdot \Omega_\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(0)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)$	$\psi(\psi_I(0)^2 + \psi_I(0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(0)^2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(2,1,0)$	$\psi(\psi_I(0)^2 \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(0)^3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,1,0)$	$\psi(\psi_I(0)^\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(0)^{\psi_I(0)})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,0)$	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,0)(3,2,0)$	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,0)(4,1,0)$	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,0)(4,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(\psi_I(0)))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(\psi_{\Omega_{\psi_I(0)+1}}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\psi_I(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)$	$\psi(\Omega_{\psi_I(0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\psi_I(0)+\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)$	$\psi(\Omega_{\psi_I(0)+\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_I(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_I(0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(2,1,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2}) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2}) \cdot \psi_I(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(2,1,0)(3,2,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2})$ $\cdot \psi_{\Omega_{\psi_I(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2})^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,1,0)$	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2})^\Omega)$



BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,2,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0) \cdot 2} + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} + \Omega_{\psi_I(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,2,0)(4,3,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} + \psi_{\Omega_{\psi_I(0)+2}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,2,0)-$ $-(4,3,1)(5,3,1)(6,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} + \psi_{\Omega_{\psi_I(0)+2}}(\Omega_{\psi_I(0) \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,2,0)(4,3,1)-$ $-(5,3,1)(6,1,0)(4,3,0)(5,3,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} + \Omega_{\psi_I(0)+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,2,1)$	$\psi(\Omega_{\psi_I(0) \cdot 2} + \Omega_{\psi_I(0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\psi_I(0) \cdot 2} + \Omega_{\psi_I(0)+\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,0,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \psi_I(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \psi_{\Omega_{\psi_I(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0) \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \Omega_{\psi_I(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,0)(3,2,1)$	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \Omega_{\psi_I(0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0) \cdot 2}^2)$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,0)(3,2,1)- -(4,2,1)(5,1,0)(4,2,0)(3,2,1)(4,2,1)- -(5,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{\psi_I(0)} \cdot 2^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,0)- -(4,2,0)(3,2,1)(4,2,1)(5,1,0)- -(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{\psi_I(0)} \cdot 2^{\Omega_{\psi_I(0)} \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,0)- -(5,2,0)(3,2,1)(4,2,1)(5,1,0)- -(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{\psi_I(0)} \cdot 2^{\Omega_{\psi_I(0)} \cdot 2^{\Omega_{\psi_I(0)} \cdot 2}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,0)(5,3,0)	$\psi(\psi_{\Omega_{\psi_I(0)} \cdot 2+1}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,1,0)- -(4,2,0)(5,3,0)(6,3,0)	$\psi(\Omega_{\psi_I(0)} \cdot 2+1)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,0)(5,3,1)	$\psi(\Omega_{\psi_I(0)} \cdot 2+\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,0)- -(5,3,1)(6,3,1)(7,1,0)(1,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{\psi_I(0)} \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,1)	$\psi(\Omega_{\psi_I(0)} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,1)(3,2,0)	$\psi(\Omega_{\psi_I(0)} \cdot \omega + \psi_{\Omega_{\psi_I(0)}+1}(\Omega_{\psi_I(0)} \cdot \omega + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,1,0)- -(4,2,1)(3,2,0)(4,2,0)	$\psi(\Omega_{\psi_I(0)} \cdot \omega + \Omega_{\psi_I(0)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,1)(3,2,1)	$\psi(\Omega_{\psi_I(0)} \cdot \omega + \Omega_{\psi_I(0)+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,1)- -(3,2,1)(4,2,1)(5,1,0)(4,2,1)	$\psi(\Omega_{\psi_I(0)} \cdot \omega \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,1,0)- -(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{\psi_I(0)} \cdot \omega \cdot \psi_I(0))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)-$ $-(4,2,1)(4,1,0)(3,2,0)$	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0)$ $+ \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(4,2,1)(4,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0) + \Omega_{\psi_I(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,1,0)-$ $-(3,2,0)(4,3,1)(5,3,1)(6,1,0)-$ $-(5,1,0)(5,3,1)(4,3,0)(5,3,0)$	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0) + \Omega_{\psi_I(0)+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(4,2,1)(4,1,0)(3,2,1)$	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0) + \Omega_{\psi_I(0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,1,0)$	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0) + \Omega_{\psi_I(0) \cdot \omega} \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,1,0)-$ $-(4,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(4,2,1)(4,1,0)(5,2,0)$	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_{\Omega_{\psi_I(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,2,0)$	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \Omega_{\psi_I(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,2,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)$	$\psi(\Omega_{\psi_I(0) \cdot \omega}^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(4,2,1)(4,2,0)(5,3,0)$	$\psi(\psi_{\Omega_{\psi_I(0) \cdot \omega+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(4,2,1)(4,2,0)(5,3,0)(6,3,0)$	$\psi(\Omega_{\psi_I(0) \cdot \omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(4,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,1,0)(6,3,1)$	$\psi(\Omega_{\psi_I(0) \cdot \omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,2,1)$	$\psi(\Omega_{\psi_I(0) \cdot \omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(5,1,0)$	$\psi(\Omega_{\psi_I(0) \cdot \Omega})$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0)^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)(5,1,0)$	$\psi(\Omega_{\psi_I(0)^\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_I(0)^{\psi_I(0)}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(6,2,0)$	$\psi(\Omega_{\psi_{\Omega_{\psi_I(0)+1}(0)}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(6,2,0)(6,2,0)$	$\psi(\Omega_{\psi_{\Omega_{\psi_I(0)+1}(1)}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,1,0)-$ $-(6,2,1)(7,2,1)(8,1,0)(9,2,0)$	$\psi(\Omega_{\psi_{\Omega_{\psi_I(0)+1}(\Omega_{\psi_{\Omega_{\psi_I(0)+1}(0)}})})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)$	$\psi(\Omega_{\Omega_{\psi_I(0)+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(3,2,1)$	$\psi(\Omega_{\Omega_{\psi_I(0)+\omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(3,2,1)(4,2,1)$	$\psi(\Omega_{\Omega_{\psi_I(0)+\omega^2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\Omega_{\psi_I(0) \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)$	$\psi(\Omega_{\Omega_{\psi_I(0) \cdot \omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(3,2,1)(4,2,1)(5,2,0)$	$\psi(\Omega_{\Omega_{\psi_I(0)+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_I(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(1) + \psi_I(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,0)$	$\psi(\psi_I(1) + \psi_{\Omega_{\psi_I(0)+1}(0)})$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_I(1) + \psi_{\Omega_{\psi_I(0)+1}}(\psi_I(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)(2,1,0)$	$\psi(\psi_I(1) + \psi_{\Omega_{\psi_I(0)+1}}(\psi_I(1)) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)(3,2,0)$	$\psi(\psi_I(1) + \psi_{\Omega_{\psi_I(0)+1}}(\psi_I(1) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,0,0)(3,2,0)(4,2,0)$	$\psi(\psi_I(1) + \Omega_{\psi_I(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)(3,2,1)$	$\psi(\psi_I(1) + \Omega_{\psi_I(0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_I(1) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,1,0)$	$\psi(\psi_I(1) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(1) \cdot \psi_I(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_I(1) \cdot \psi_{\Omega_{\psi_I(0)+1}}(\psi_I(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,1,0)(3,2,0)(4,2,0)$	$\psi(\psi_I(1) \cdot \Omega_{\psi_I(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_I(1)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,1,0)(4,1,0)$	$\psi(\psi_I(1)^\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)$	$\psi(\psi_I(1)^{\Omega_{\psi_I(0)+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_I(1)^{\psi_I(1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,0)$	$\psi(\psi_{\Omega_{\psi_I(1)+1}}(0))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,0)(5,3,0)(6,3,0)	$\psi(\Omega_{\psi_I(1)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,0)- -(5,3,1)(6,3,1)(7,1,0)(1,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{\psi_I(1)+\psi_I(0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,0)- -(5,3,1)(6,3,1)(7,2,0)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{\psi_I(1)\cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)	$\psi(\Omega_{\Omega_{\psi_I(1)+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,0)- -(5,3,1)(6,3,1)(7,3,0)(6,0,0)	$\psi(\psi_I(2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(\psi_I(\omega))$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(2,1,0)	$\psi(\psi_I(\omega) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(\psi_I(\omega)^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(2,1,0)(3,2,0)	$\psi(\psi_{\Omega_{\psi_I(\omega)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,1,0)- -(1,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(\Omega_{\psi_I(\omega)\cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(2,1,0)(3,2,1)(4,2,1)(5,1,0)- -(5,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(\Omega_{\psi_I(\omega)^{\psi_I(\omega)}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,1,0)(6,2,0)	$\psi(\Omega_{\psi_{\Omega_{\psi_I(\omega)+1}}(0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)	$\psi(\Omega_{\Omega_{\psi_I(\omega)+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_I(\omega+1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)	$\psi(\psi_I(\omega \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(2,1,1)	$\psi(\psi_I(\omega^2))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)$	$\psi(\psi_I(\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(\psi_I(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)$	$\psi(\psi_I(\psi_I(0)) + \psi_I(0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\psi_I(\psi_I(0)) + \Omega_{\psi_I(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_I(\psi_I(0)) + \psi_I(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(\psi_I(\psi_I(0)) + \psi_I(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)$	$\psi(\psi_I(\psi_I(0)) + \psi_I(\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_I(\psi_I(0)) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,1,0)(2,1,0)$	$\psi(\psi_I(\psi_I(0)) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,1,0)(4,2,0)(5,3,0)$	$\psi(\psi_{\Omega_{\psi_I(\psi_I(0))+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,1,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(6,0,0)$	$\psi(\psi_I(\psi_I(0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,3,1)$	$\psi(\psi_I(\psi_I(0) + \omega))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,1,0)(4,2,0)(5,3,1)(6,3,1)-$ $-(7,3,0)(6,3,1)(7,1,0)$	$\psi(\psi_I(\psi_I(0) + \Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,1,0)(4,2,1)$	$\psi(\psi_I(\psi_I(0) \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,1,0)(6,2,0)$	$\psi(\psi_I(\psi_{\Omega_{\psi_I(0)+1}}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,2,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_I(\psi_I(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)$	$\psi(\psi_I(\psi_I(\omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)$	$\psi(\psi_I(\psi_I(\Omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)$	$\psi(\psi_I(\psi_I(\psi_I(\Omega))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I)$ $\psi(\psi_I(I))$ $\psi(\Phi(2, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)(1,1,0)$	$\psi(I + 1)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,0,0)(1,1,0)(2,1,0)$	$\psi(I + \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_I(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_I(I))$



BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,0)$	$\psi(I + \psi_I(I) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_I(I)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I + \psi_I(I + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(I + \psi_I(I + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_I(I + \psi_I(I)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,1,0)(6,2,0)$	$\psi(I + \psi_I(I + \psi_{\Omega_{\psi_I(I)+1}}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(5,2,0)$	$\psi(I + \psi_I(I + \Omega_{\psi_I(I)+1}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I + \psi_I(I + \psi_I(I + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_I(I + \psi_I(I + \psi_I(I))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,2,0)(4,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot 2 + \psi_I(I \cdot 2))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I \cdot 2 + \psi_I(I \cdot 2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,2,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,1)$	$\psi(I \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,1)(2,1,1)$	$\psi(I \cdot \omega^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)$	$\psi(I \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)(3,1,0)$	$\psi(I \cdot \psi_I(I \cdot \Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,0,0)$	$\psi(I^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,0,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,0,0)(2,1,1)(3,1,0)(3,0,0)$	$\psi(I^{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)$	$\psi(I^\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(3,1,0)$	$\psi(I^{\psi_I(I^\Omega)})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^I)$ $\psi(\Phi(1, 0, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^{I+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)-$ $-(2,1,1)(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^{I \cdot 2})$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(3,1,0)(3,0,0)$	$\psi(I^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^{I^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,0,0)$	$\psi(I^{\omega})$ $\psi(\Phi(1 @ \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,1,0)$	$\psi(I^{\Omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,1,0)(2,0,0)$	$\psi(I^{I^I})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,1,0)(5,1,0)(2,0,0)$	$\psi(I^{I^{I^I}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{I+1}}(0))$ $\psi(\varepsilon_{I+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,0)$	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_{\Omega_{\psi_I(\psi_{\Omega_{I+1}}(0))+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\psi_{\Omega_{I+1}}(0) + \Omega_{\psi_I(\psi_{\Omega_{I+1}}(0))+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,1,0)$	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0) + \Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_{\Omega_{I+1}}(0) + I)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,2,0)(4,2,0)(5,3,1)(6,3,1)-$ $-(7,3,0)(6,3,1)(7,3,0)(6,0,0)$	$\psi(\psi_{\Omega_{I+1}}(0) + I \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,2,1)$	$\psi(\psi_{\Omega_{I+1}}(0) + I \cdot \omega)$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{\Omega_{I+1}}(0) + I^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(5,0,0)	$\psi(\psi_{\Omega_{I+1}}(0) + I^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(5,2,0)(4,0,0)	$\psi(\psi_{\Omega_{I+1}}(0) + I^I)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)	$\psi(\psi_{\Omega_{I+1}}(0) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)(8,4,0)	$\psi(\psi_{\Omega_{I+1}}(0) \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,1,1)	$\psi(\psi_{\Omega_{I+1}}(0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(2,1,1)(3,1,0)	$\psi(\psi_{\Omega_{I+1}}(0) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,0)	$\psi(\psi_{\Omega_{I+1}}(0) \cdot \psi_I(\psi_{\Omega_{I+1}}(0) \cdot \Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(\psi_{\Omega_{I+1}}(0) \cdot I)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(2,1,1)(3,1,0)(4,2,0)	$\psi(\psi_{\Omega_{I+1}}(0)^2)$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,0)(3,1,0)	$\psi(\psi_{\Omega_{I+1}}(0)^\Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(3,1,0)(2,0,0)	$\psi(\psi_{\Omega_{I+1}}(0)^I)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(3,1,0)(4,2,0)	$\psi(\psi_{\Omega_{I+1}}(0)^{\psi_{\Omega_{I+1}}(0)})$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,0)(4,1,0)	$\psi(\psi_{\Omega_{I+1}}(0)^{\psi_{\Omega_{I+1}}(0)^\Omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(4,1,0)(5,2,0)	$\psi(\psi_{\Omega_{I+1}}(0)^{\psi_{\Omega_{I+1}}(0)^{\psi_{\Omega_{I+1}}(0)}})$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,0)(4,2,0)	$\psi(\psi_{\Omega_{I+1}}(1))$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,0)(5,1,0)	$\psi(\psi_{\Omega_{I+1}}(\Omega))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(5,1,0)$	$\psi(\psi_{\Omega_{I+1}}(\psi_I(\psi_{\Omega_{I+1}}(\Omega))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,1,0)(2,0,0)$	$\psi(\psi_{\Omega_{I+1}}(I))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(5,1,0)(4,2,0)(5,1,0)(2,0,0)$	$\psi(\psi_{\Omega_{I+1}}(I \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(5,1,0)(5,1,0)(2,0,0)$	$\psi(\psi_{\Omega_{I+1}}(I^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,1,0)(6,2,0)$	$\psi(\psi_{\Omega_{I+1}}(\psi_{\Omega_{I+1}}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,2,0)$	$\psi(\Omega_{I+1})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(5,3,0)$	$\psi(\psi_{\Omega_{I+2}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,3,0)(6,3,0)$	$\psi(\Omega_{I+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)$	$\psi(\Omega_{I+\omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)$	$\psi(\Omega_{I+\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)$	$\psi(\Omega_{I+\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,1,0)$	$\psi(\Omega_{I+\psi_I(\Omega_{I+\Omega})})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\Omega_{I \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(2,1,0)$	$\psi(\Omega_{I \cdot 2} + \psi_I(\Omega_{I \cdot 2}) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{I \cdot 2} + \psi_I(\Omega_{I \cdot 2} + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{I \cdot 2} + I)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(6,3,1)(7,3,1)(8,2,0)(4,0,0)$	$\psi(\Omega_{I \cdot 2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(2,1,1)$	$\psi(\Omega_{I \cdot 2} \cdot \omega)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{I \cdot 2} \cdot I)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{I \cdot 2}^I)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\Omega_{I \cdot 2}^{\psi_{\Omega_{I+1}}(\Omega_{I \cdot 2})})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(4,1,0)$	$\psi(\Omega_{I \cdot 2}^{\psi_{\Omega_{I+1}}(\Omega_{I \cdot 2}) \cdot \Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(4,2,0)$	$\psi(\Omega_{I \cdot 2}^{\psi_{\Omega_{I+1}}(\Omega_{I \cdot 2}+1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,1,0)(5,2,0)$	$\psi(\Omega_{I \cdot 2}^{\Omega_{I+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(4,2,1)$	$\psi(\Omega_{I \cdot 2}^{\Omega_{I+\omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(2,0,0)$	$\psi(\Omega_{I \cdot 2}^{\Omega_{I \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(5,1,0)(2,0,0)$	$\psi(\Omega_{I \cdot 2}^{\Omega_{I \cdot 2}^I})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(5,2,0)(6,3,0)$	$\psi(\psi_{\Omega_{I \cdot 2+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(5,2,0)(6,3,0)(7,3,0)$	$\psi(\Omega_{I \cdot 2+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,1,0)(2,0,0)$	$\psi(\Omega_{I \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(5,2,1)$	$\psi(\Omega_{I \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\Omega_{I^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,1,0)(6,1,0)(2,0,0)$	$\psi(\Omega_{I^I})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(7,2,0)$	$\psi(\Omega_{\psi_{\Omega_{I+1}}(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)$	$\psi(\Omega_{\Omega_{I+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(4,2,1)$	$\psi(\Omega_{\Omega_{I+\omega}})$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(4,2,1)(5,2,1)(6,2,0)$	$\psi(\Omega_{\Omega_{I+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I_2}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I_2}(0) + \psi_I(\psi_{I_2}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_{I_2}(0) + I)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,0)(7,0,0)$	$\psi(\psi_{I_2}(0) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(2,1,1)$	$\psi(\psi_{I_2}(0) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(3,1,0)$	$\psi(\psi_{I_2}(0)^\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I_2}(0)^{\psi_I(\psi_{I_2}(0))})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(3,1,0)(2,0,0)$	$\psi(\psi_{I_2}(0)^I)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(3,1,0)(4,2,0)$	$\psi(\psi_{I_2}(0)^{\psi_{\Omega_{I+1}}(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I_2}(0)^{\psi_{\Omega_{I+1}}(\psi_{I_2}(0))})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)(4,2,0)$	$\psi(\psi_{I_2}(0)^{\psi_{\Omega_{I+1}}(\psi_{I_2}(0)+1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I_2}(0)^{\psi_{I_2}(0)})?$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,0)$	$\psi(\psi_{I_2}(0)^{\psi_{I_2}(0)^{\Omega_{\psi_{I(0)}+1}}})?$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,0)(6,3,0)$	$\psi(\psi_{\Omega_{\psi_{I_2}(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,0)(6,3,0)(6,3,0)$	$\psi(\psi_{\Omega_{\psi_{I_2}(0)+1}}(1))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,0)(6,3,0)(7,3,0)$	$\psi(\Omega_{\psi_{I_2}(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,0)$	$\psi(\Omega_{\Omega_{\psi_{I_2}(0)+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,0)(7,0,0)$	$\psi(\psi_{I_2}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)$	$\psi(\psi_{I_2}(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,1,0)$	$\psi(\psi_{I_2}(\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\psi_{I_2}(I))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)-$ $-(6,1,0)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\psi_{I_2}(I^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,1,0)(7,2,0)$	$\psi(\psi_{I_2}(\psi_{\Omega_{I+1}}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)$	$\psi(\psi_{I_2}(\Omega_{I+1}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(4,2,1)$	$\psi(\psi_{I_2}(\Omega_{I+\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)-$ $-(6,2,0)(4,2,1)(5,2,1)(6,2,0)$	$\psi(\psi_{I_2}(\Omega_{\Omega_{I+1}}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)(6,2,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I_2}(\psi_{I_2}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)$	$\psi(\psi_{I_2}(\psi_{I_2}(\Omega_{I+1})))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)-$ $-(5,2,0)(6,3,1)(7,3,1)(8,3,0)-$ $-(7,3,1)(8,3,0)(7,0,0)$	$\psi(I_2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(5,2,1)$	$\psi(I_2 \cdot \omega)$



BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,0)(5,2,1)- -(6,2,0)(5,2,1)(6,2,0)(5,0,0)	$\psi(I_2^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,0)(6,1,0)(2,0,0)	$\psi(I_2^I)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(6,2,0)(5,0,0)	$\psi(I_2^{I_2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,0)(7,3,0)	$\psi(\psi_{\Omega_{I_2+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,0)(7,3,0)	$\psi(\psi_{\Omega_{I_2+1}}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,0)(8,3,0)	$\psi(\Omega_{I_2+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,0)	$\psi(\Omega_{\Omega_{I_2+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)- -(8,3,1)(9,3,0)(8,0,0)	$\psi(\psi_{I_3}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,0)(8,3,1)(9,3,0)(8,0,0)	$\psi(I_3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)	$\psi(I_\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I_\omega + \psi_I(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I_\omega + \psi_I(I))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(I_\omega + \psi_I(\psi_{\Omega_{I+1}}(0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,0)(5,2,0)	$\psi(I_\omega + \psi_I(\Omega_{I+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I_\omega + \psi_I(\psi_{I_2}(0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)	$\psi(I_\omega + \psi_I(I_\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(2,1,0)(3,2,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I_\omega)+1}}(0))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,0)(4,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I_\omega)+1}}(I_\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(2,1,0)(3,2,0)(4,2,0)$	$\psi(I_\omega + \Omega_{\psi_I(I_\omega)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_\omega + \psi_I(I_\omega + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(I_\omega + \psi_I(I_\omega + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_\omega + I)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)$	$\psi(I_\omega + \psi_{\Omega_{I+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(2,1,0)(3,2,1)(4,2,1)(5,2,1)$	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(2,1,0)(3,2,1)(4,2,1)(5,2,1)$	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))$ $+ \psi_{\Omega_{\psi_I(I_\omega)+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + \psi_I(I_\omega + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)$	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))$ $+ \psi_I(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))$ $+ \psi_I(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + 1))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(3,2,1)(4,2,1)(5,2,0)(4,2,0)- -(5,3,1)(6,3,1)(7,3,0)(6,3,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + \psi_I(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(3,2,1)- -(4,2,1)(5,2,0)(4,2,0)(5,3,1)(6,3,1)- -(7,3,0)(6,3,1)(7,3,0)(6,0,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + I)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(3,2,1)(4,2,1)(5,2,0)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(2,1,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) \cdot I)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega)^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(4,2,0)(5,2,0)	$\psi(I_\omega + \Omega_{I+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(4,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(I_\omega + \psi_{I_2}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(7,3,1)(8,3,1)(9,3,0)(8,0,0)	$\psi(I_\omega + \psi_{I_3}(0))$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(1,1,1)(2,1,1)(3,1,1)	$\psi(I_\omega \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)	$\psi(I_\omega \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,0)(1,1,1)(2,1,1)(3,1,1)	$\psi(I_\omega^2)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,0)(3,2,0)$	$\psi(\psi_{\Omega_{I_{\omega+1}}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)$	$\psi(\Omega_{\Omega_{I_{\omega+1}}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_{I_{\omega+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,0)(7,3,1)(8,3,0)(7,0,0)$	$\psi(I_{\omega+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)$	$\psi(I_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,1)$	$\psi(I_{\omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)$	$\psi(I_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_{\omega^2+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)$	$\psi(I_{\omega^2+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)$	$\psi(I_{\omega^2 \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(2,1,1)$	$\psi(I_{\omega^3})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)$	$\psi(I_{\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I_{\psi_I(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(I_{\psi_I(\psi_{\Omega_{I+1}}(0))})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_{\psi_I(I_{\omega})})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(5,2,1)(6,1,0)$	$\psi(I_{\psi_I(I_{\Omega})})$



BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(1,0)}(0)^{\psi_{I(1,0)}(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,0)$	$\psi(\psi_{\Omega_{\psi_{I(1,0)}(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{\psi_{I(1,0)}(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,1,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{\psi_{I(1,0)}(0) \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)$	$\psi(\Omega_{\Omega_{\psi_{I(1,0)}(0)+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,0)$	$\psi(\Omega_{\Omega_{\psi_{I(1,0)}(0)+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_{I_{\psi_{I(1,0)}(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(\psi_{I_{\psi_{I(1,0)}(0)+1}}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(\psi_{I_{\psi_{I(1,0)}(0)+1}}(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_{\psi_{I(1,0)}(0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(6,3,0)(7,3,0)$	$\psi(\Omega_{I_{\psi_{I(1,0)}(0)+1+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(6,3,1)(7,3,1)(8,3,0)(7,0,0)$	$\psi(\psi_{I_{\psi_{I(1,0)}(0)+1+2}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(6,3,1)(7,3,1)(8,3,0)-$ $-(7,3,1)(8,3,0)(7,0,0)$	$\psi(I_{\psi_{I(1,0)}(0)+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)$	$\psi(I_{\psi_{I(1,0)}(0)+\omega})$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)	$\psi(I_{\psi_{I(1,0)}(0)+\omega^2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,0)(3,1,0)(2,0,0)	$\psi(I_{\psi_{I(1,0)}(0)\cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)	$\psi(I_{\Omega_{\psi_{I(1,0)}(0)+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)	$\psi(I_{\Omega_{\psi_{I(1,0)}(0)+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{I(1,0)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,1)(6,3,1)(7,3,0)(6,0,0)	$\psi(\psi_{I(1,0)}(2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)	$\psi(\psi_{I(1,0)}(\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(2,1,1)	$\psi(\psi_{I(1,0)}(\omega^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)	$\psi(\psi_{I(1,0)}(\Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,1)(3,1,0)	$\psi(\psi_{I(1,0)}(\psi_{I(1,0)}(\Omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)- -(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1,0) + \psi_{I(1,0)}(I(1,0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,1,0)	$\psi(I(1,0) + \psi_{I(1,0)}(I(1,0)) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,0)	$\psi(I(1,0) + \psi_{\Omega_{\psi_{I(1,0)}(I(1,0))+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,0)	$\psi(I(1,0) + \psi_{\Omega_{\psi_{I(1,0)}(I(1,0))+1}}(0))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)- -(2,1,0)(3,2,0)(4,2,0)	$\psi(I(1, 0) + \Omega_{\psi_{I(1,0)}(I(1,0))+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,1,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0) + \Omega_{\psi_{I(1,0)}(I(1,0)) \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)	$\psi(I(1, 0) + \Omega_{\Omega_{\psi_{I(1,0)}(I(1,0))+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0) + \psi_{I_{\psi_{I(1,0)}(I(1,0))+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0) + I_{\psi_{I(1,0)}(I(1,0))+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)	$\psi(I(1, 0) + I_{\psi_{I(1,0)}(I(1,0))+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,1,0)- -(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(2,0,0)	$\psi(I(1, 0) + I_{\psi_{I(1,0)}(I(1,0)) \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0) + \psi_{I(1,0)}(I(1, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)	$\psi(I(1, 0) + \psi_{I(1,0)}(I(1, 0) + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)- -(5,1,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0) + \psi_{I(1,0)}(I(1, 0) + \psi_{I(1,0)}(I(1, 0))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0) \cdot 2)$



BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I(1,0) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)(3,1,0)$	$\psi(I(1,0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)$	$\psi(I(1,0) \cdot \psi_{I(1,0)}(I(1,0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1,0)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,1,1)$	$\psi(I(1,0)^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1,0)^3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(3,0,0)$	$\psi(I(1,0)^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(3,1,0)(2,0,0)$	$\psi(I(1,0)^{I(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{I(1,0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{I(1,0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,1,0)$	$\psi(\Omega_{I(1,0)+\Omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,1,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{I(1,0) \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,1,0)(5,2,1)$	$\psi(\Omega_{I(1,0) \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,1,0)(7,2,0)$	$\psi(\Omega_{\psi_{\Omega_{I(1,0)+1}}(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)$	$\psi(\Omega_{\Omega_{I(1,0)+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I_{I(1,0)+1}}(0))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,0)(5,2,1)(6,2,0)(5,0,0)	$\psi(I_{I(1,0)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)	$\psi(I_{I(1,0)+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,1,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I_{I(1,0)+\psi_{I(1,0)}(0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,1,0)(2,0,0)	$\psi(I_{I(1,0)\cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,1,0)(5,2,1)	$\psi(I_{I(1,0)\cdot\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,1,0)(6,0,0)	$\psi(I_{I(1,0)^\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,1,0)(7,2,0)	$\psi(I_{\psi_{\Omega_{I(1,0)+1}}(0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)	$\psi(I_{\Omega_{I(1,0)+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I_{\psi_{I_{I(1,0)+1}}(0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(4,2,1)(5,2,1)- -(6,2,0)(5,2,1)(6,1,0)(2,0,0)	$\psi(I_{I_{I(1,0)+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(4,2,1)(5,2,1)(6,2,1)	$\psi(I_{I_{I(1,0)+\omega}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)	$\psi(I_{\Omega_{I_{I(1,0)+1}}})$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(\psi_{I(1,1)}(0))$ $\psi((1-)^{(1,0)} 2\ 1-2 \text{ aft } (2\ 1-)^2 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)(5,2,0)(6,3,0)	$\psi(\psi_{\Omega_{\psi_{I(1,1)}(0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,2,0)(6,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(\psi_{I_{\psi_{I(1,1)}(0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,2,0)(6,3,1)(7,3,1)(8,3,1)	$\psi(I_{\psi_{I(1,1)}(0)+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,2,0)(6,3,1)(7,3,1)- -(8,3,1)(7,3,1)(8,3,0)(7,0,0)	$\psi(\psi_{I(1,1)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)(5,2,1)	$\psi(\psi_{I(1,1)}(\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,2,1)(6,1,0)(1,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(\psi_{I(1,1)}(\psi_{I(1,0)}(0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1,1))$ $\psi(2\text{nd } (2\ 1-)^2 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(8,3,1)(9,3,0)(8,3,1)(9,3,0)(8,0,0)	$\psi(I(1,2))$ $\psi(3\text{rd } (2\ 1-)^2 2)$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,1)	$\psi(I(1,\omega))$ $\psi(1 - (2\ 1-)^2 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)	$\psi(I(1,\omega^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)	$\psi(I(1,\Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, \psi_I(0)))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)	$\psi(I(1, \psi_I(I(1, \Omega))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,1,0)(2,0,0)	$\psi(I(1, I))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,1)(3,1,1)	$\psi(I(1, I_\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, \psi_{I(1,0)}(0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,1,0)(2,0,0)	$\psi(I(1, I(1, 0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,0)	$\psi(I(1, I(1, \Omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)	$\psi(I(1, I(1, I(1, \Omega))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(\psi_{I(2,0)}(0))$ $\psi((1-)^{1,0} (2 \ 1-)^2 \ 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,0)	$\psi(\psi_{\Omega_{\psi_{I(2,0)}(0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{I_{\psi_{I(2,0)}(0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{I(1, \psi_{I(2,0)}(0)+1)}(0))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_{I(2,0)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,1,1)$	$\psi(\psi_{I(2,0)}(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(2,0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{I(2,0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{I(2,0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_{I(2,0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(5,2,1)(6,2,0)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1, I(2,0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(2,1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(I(2, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,0)$	$\psi(I(2, \Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(3,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)$	$\psi(I(\omega, 0))$ $\psi((2 \ 1 -)^\omega \ 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)$	$\psi(I(\omega, 0) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,0,0)(2,1,0)$	$\psi(I(\omega, 0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)$	$\psi(I(\omega, 0)^2)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,0)(3,2,0)$	$\psi(\psi_{\Omega_{I(\omega,0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{I(\omega,0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_{I(\omega,0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1, I(\omega, 0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(2, I(\omega, 0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)$	$\psi(I(\omega, 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,1)(7,0,0)$	$\psi(I(\omega, 2))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,0,0)(2,1,1)$	$\psi(I(\omega, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,0)$	$\psi(I(\omega, \Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,0,0)(2,1,1)(3,1,0)$	$\psi(I(\omega, I(\omega, \Omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(\omega+1,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(\omega+2,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,1)(3,0,0)$	$\psi(I(\omega \cdot 2, 0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,0,0)(3,0,0)$	$\psi(I(\omega^2, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)$	$\psi(I(\Omega, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(\psi_I(0), 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,1,0)(2,0,0)$	$\psi(I(I, 0))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,1,0)(2,0,0)$	$\psi(I(I(1,0),0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)$	$\psi(I(I(\Omega,0),0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(1,0,0)}(0))$ $\psi(\psi_{\psi_M(M^M)}(0))$ $\psi((2 \ 1 -)^{1,0} 2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,1,0)$	$\psi(\psi_{I(1,0,0)}(0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,0)(3,2,0)$	$\psi(\psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\psi_{I_{\psi_{I(1,0,0)}(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)$	$\psi(I(\omega, \psi_{I(1,0,0)}(0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)$	$\psi(I(\Omega, \psi_{I(1,0,0)}(0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(\psi_{I(1,0,0)}(0), 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \psi_{I(1,0,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,1,0)$	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \psi_{I(1,0,0)}(0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,1,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,0)(3,2,0)$	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)(5,1,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(\psi_{I(1,0,0)}(0), 1)$ $+ \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(I(\psi_{I(1,0,0)}(0), 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,1,0)(2,1,0)$	$\psi(I(\psi_{I(1,0,0)}(0), 1)$ $+ \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(I(\psi_{I(1,0,0)}(0), 1)) \cdot \Omega)$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(3,2,0)(4,2,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \Omega_{\psi_{I(1,0,0)}(0)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(3,2,1)	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \Omega_{\psi_{I(1,0,0)}(0)+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(3,2,1)(4,2,1)(5,2,1)	$\psi(I(\psi_{I(1,0,0)}(0), 1) + I_{\psi_{I(1,0,0)}(0)+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) + I(\omega, \psi_{I(1,0,0)}(0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,1,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) + I(\Omega, \psi_{I(1,0,0)}(0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,1,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{I(1,0,0)}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{I(1,0,0)}(0) + I(\psi_{I(1,0,0)}(0), 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)(- -2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,1,0)(4,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{I(1,0,0)}(0)^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,1,0)(5,2,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,1,0)(5,2,1)(6,2,1)(7,2,1)	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot I_{\psi_{I(1,0,0)}(0)+\omega})$



BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,1,0)(5,2,1)(6,2,1)(7,2,1)(7,1,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1)^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,1,0)(5,2,1)(6,2,1)(7,2,1)(7,1,0)- -(4,2,1)(5,2,1)(5,1,0)(4,1,0)(5,2,1)- -(6,2,1)(7,2,1)(7,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1)^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,1,0)(5,2,1)(6,2,1)(7,2,1)- -(7,1,0)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 1)^{\psi_{I(1,0,0)}(0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,0)	$\psi(\psi_{\Omega_{I(\psi_{I(1,0,0)}(0), 1)+1}}(0))?$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,0)(5,3,1)	$\psi(\Omega_{I(\psi_{I(1,0,0)}(0), 1)+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,1)	$\psi(I_{I(\psi_{I(1,0,0)}(0), 1)+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,1)(7,1,0)	$\psi(I(\Omega, I(\psi_{I(1,0,0)}(0), 1) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,1)(7,1,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,1)	$\psi(I(\psi_{I(1,0,0)}(0), \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,1)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0)))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,1,0)(4,2,1)	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0) + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,1)(5,1,0)(4,2,1)(5,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0) \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,1,0)(6,2,0)	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,1)(5,2,0)	$\psi(I(\psi_{I(1,0,0)}(0), \Omega_{\psi_{I(1,0,0)}(0)+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,1)(5,2,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), I(\psi_{I(1,0,0)}(0), 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{I(\psi_{I(1,0,0)}(0)+1,0)}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,1)(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(\psi_{I(1,0,0)}(0) + 1, 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(I(\psi_{I(1,0,0)}(0) + 2, 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,1)(5,0,0)	$\psi(I(\psi_{I(1,0,0)}(0) + \omega, 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,1)(5,2,1)(5,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0) \cdot 2, 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(5,0,0)	$\psi(I(\psi_{I(1,0,0)}(0) \cdot \omega, 0))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0)^2, 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(6,2,0)	$\psi(I(\psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0), 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)	$\psi(I(\Omega_{\psi_{I(1,0,0)}(0)+1}, 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(3,2,1)(4,2,1)(5,2,1)	$\psi(I(I_{\psi_{I(1,0,0)}(0)+\omega}, 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)	$\psi(I(I(\Omega_{\psi_{I(1,0,0)}(0)+1}, 0), 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{I(1,0,0)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(4,2,0)(5,3,1)(6,3,1)- -(7,3,1)(7,3,0)(6,0,0)	$\psi(\psi_{I(1,0,0)}(2))$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,1,1)	$\psi(\psi_{I(1,0,0)}(\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)	$\psi(\psi_{I(1,0,0)}(\Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,1,1)(3,1,0)	$\psi(\psi_{I(1,0,0)}(\psi_{I(1,0,0)}(\Omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0))$ $\psi(\psi_M(M^M))$ $\psi(M^M)$ $\psi((2 \ 1 -)^{1,1} \ 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,0,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0)) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,0)	$\psi(I(1, 0, 0) + \psi_{\Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}}(0))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,1,0)	$\psi(I(1, 0, 0) + I(\Omega, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,0)(4,2,1)	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0) + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)(5,1,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)(5,2,0)- -(3,2,1)(4,2,1)(5,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0) + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0, 0) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,1)	$\psi(I(1, 0, 0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0) \cdot \psi_{I(1,0,0)}(I(1, 0, 0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0)^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(3,0,0)	$\psi(I(1, 0, 0)^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0)^{I(1,0,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,0)	$\psi(\psi_{\Omega_{I(1,0,0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,0)(5,2,0)	$\psi(\Omega_{I(1,0,0)+1})$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(\psi_{I(1,0,0)+1}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,0)(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1,0,0)+1)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1, I(1, 0, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,0,0)	$\psi(I(\omega, I(1, 0, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,1,0)	$\psi(I(\Omega, I(1, 0, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(0), I(1, 0, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(I(1, 0, 0)), I(1, 0, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,1,0)	$\psi(I(\psi_{I(1,0,0)}(I(\Omega, I(1, 0, 0) + 1)), I(1, 0, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,1,0)	$\psi(I(\psi_{I(1,0,0)}(I(\psi_{I(1,0,0)}(I(\Omega, I(1, 0, 0) + 1)), I(1, 0, 0) + 1)), I(1, 0, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,1,0)(2,0,0)	$\psi(I(I(1, 0, 0), 1))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(2,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,1,0)(2,0,0)$	$\psi(I(I(1, 0, 0), 1) + \psi_{I(1,0,0)}(I(I(1, 0, 0), 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(2,1,0)$	$\psi(I(I(1, 0, 0), 1) + \psi_{I(1,0,0)}(I(I(1, 0, 0), 1)) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(4,0,0)$	$\psi(I(I(1, 0, 0), 1) + \psi_{I(1,0,0)}(I(I(1, 0, 0), 1) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,0)(4,2,1)(5,1,0)(2,0,0)$	$\psi(I(I(1, 0, 0), 1) + I(1, 0, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,1)(8,2,0)(4,0,0)$	$\psi(I(I(1, 0, 0), 1) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(2,1,1)$	$\psi(I(I(1, 0, 0), 1) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,1,0)(2,0,0)$	$\psi(I(I(1, 0, 0), 1) \cdot \psi_{I(1,0,0)}(I(I(1, 0, 0), 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(I(1, 0, 0), 1) \cdot I(1, 0, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,1,0)$	$\psi(I(I(1, 0, 0), 1)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(3,1,0)$	$\psi(I(I(1, 0, 0), 1)^\Omega)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{I(I(1,0,0),1)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(4,2,1)(5,2,1)(6,2,1)(6,0,0)$	$\psi(I(\omega, I(I(1,0,0), 1) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(2,0,0)$	$\psi(I(I(1,0,0), 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(5,0,0)$	$\psi(I(I(1,0,0), \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(5,1,0)(2,0,0)$	$\psi(\psi_{I(I(1,0,0)+1,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,1,0)(5,2,1)$	$\psi(\psi_{I(I(1,0,0)+1,0)}(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(I(1,0,0) + 1, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(I(1,0,0) + 2, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,1,0)(5,2,1)(6,2,1)(6,1,0)(2,0,0)$	$\psi(I(I(1,0,0) \cdot 2, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,1,0)(6,1,0)(2,0,0)$	$\psi(I(I(1,0,0)^2, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,1,0)(7,2,0)$	$\psi(I(\psi_{\Omega_{I(1,0,0)+1}}(0), 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,0)$	$\psi(I(\Omega_{I(1,0,0)+1}, 0))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,0)(4,2,1)(5,2,1)(6,2,1)(6,2,0)$	$\psi(I(I(\Omega_{I(1,0,0)+1}, 0), 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I(1,0,1)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(7,3,1)(8,3,1)-$ $-(9,3,1)(9,3,0)(8,3,1)(9,3,0)(8,0,0)$	$\psi(\psi_{I(1,0,2)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)$	$\psi(I(1, 0, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(2,1,1)$	$\psi(I(1, 0, \omega^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)$	$\psi(I(1, 0, \Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(1,1,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)$	$\psi(\psi_{I(1,1,0)}(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1, 1, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(I(1, 1, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(1,2,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,0,0)$	$\psi(I(1, \omega, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)$	$\psi(I(1, \Omega, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(2,0,0)}(0))$ $\psi((2 \ 1 -)^{2,0} \ 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)$	$\psi(\psi_{I(2,0,0)}(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(2, 0, 0))$ $\psi(\psi_M(M^{M \cdot 2}))$ $\psi(M^{M \cdot 2})$



BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)$	$\psi(I(2, 0, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(2,1,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,0,0)$	$\psi(I(2, \omega, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{I(3,0,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(3,0,0)$	$\psi(I(\omega, 0, 0))$ $\psi(\psi_M(M^{M \cdot \omega}))$ $\psi((2 \ 1 -)^{\omega, 0} \ 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(\psi_{I(1,0,0,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1, 0, 0, 0))$ $\psi(\psi_M(M^{M^2}))$ $\psi(M^{M^2})$ $\psi((2 \ 1 -)^{1,0,1} \ 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)$	$\psi(I(1, 0, 0, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1, 0, 1, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1, 1, 0, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(2, 0, 0, 0))$ $\psi(M^{M^2 \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(3,0,0)$	$\psi(I(\omega, 0, 0, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(\psi_{I(1,0,0,0,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1, 0, 0, 0, 0))$ $\psi(M^{M^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(\psi_{I(1,0,0,0,0,0)}(0))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,0,0)$	$\psi(I(1@ \omega))$ $\psi(M^{M^\omega})$ $\psi((2 \ 1-)^{1@ \omega} \ 2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)$	$\psi(I(1@ \Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,0)(7,1,0)(2,0,0)$	$\psi(I(1@ I))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,0,0)$	$\psi(I(1@ (1, 0)))$ $\psi(M^{M^M})$ $\psi((2 \ 1-)^{1@ (1,0)} \ 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,1,1)$	$\psi(I(1@ (1, 0), \omega @ 0))$ $\psi(M^{M^M} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1@ (1, 0), 1@ 1))$ $\psi(M^{M^M+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1@ (1, 0), 2@ 1))$ $\psi(M^{M^M+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1@ (1, 0), 1@ 2))$ $\psi(M^{M^M+M})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1@ (1, 0), 1@ 3))$ $\psi(M^{M^M+M^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(2,1,1)(3,1,1)(3,1,0)(4,0,0)$	$\psi(I(1@ (1, 0), 1@ \omega))$ $\psi(M^{M^M+M^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,0,0)$	$\psi(I(2@ (1, 0)))$ $\psi(M^{M^M \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(3,0,0)$	$\psi(I(\omega @ (1, 0)))$ $\psi(M^{M^M \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1@ (1, 1)))$ $\psi(M^{M^M+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(3,1,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(3,1,0)(2,0,0)$	$\psi(I(2@ (1, 1)))$ $\psi(M^{M^M+1 \cdot 2})$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(3,1,0)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1@ (1, 2)))$ $\psi(M^{M^{M+2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(3,1,0)(4,1,0)(2,0,0)$	$\psi(I(1@ (2, 0)))$ $\psi(M^{M^{M \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(3,1,0)(4,1,0)-$ $-(3,1,0)(4,1,0)(2,0,0)$	$\psi(I(1@ (3, 0)))$ $\psi(M^{M^{M \cdot 3}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(4,0,0)$	$\psi(I(1@ (\omega, 0)))$ $\psi(M^{M^{M \cdot \omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(I(1@ (1, 0, 0)))$ $\psi(M^{M^{M^2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(4,1,0)(3,1,0)(4,1,0)(2,0,0)$	$\psi(I(1@ (1, 1, 0)))$ $\psi(M^{M^{M^2+M}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(4,1,0)(3,1,0)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi(I(1@ (2, 0, 0)))$ $\psi(M^{M^{M^2 \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(4,1,0)(4,0,0)$	$\psi(I(1@ (\omega, 0, 0)))$ $\psi(M^{M^{M^2 \cdot \omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(I(1@ (1, 0, 0, 0)))$ $\psi(M^{M^{M^3}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(5,0,0)$	$\psi(I(1@ (1@ \omega)))$ $\psi(M^{M^{M^\omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(5,1,0)(2,0,0)$	$\psi(I(1@ (1@ (1, 0))))$ $\psi(M^{M^{M^M}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(5,1,0)(6,1,0)(2,0,0)$	$\psi(I(1@ (1@ (1@ (1, 0)))))$ $\psi(M^{M^{M^{M^M}}})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi(\varepsilon_{M+1})$ $\psi(\psi_{\Omega_{M+1}}(0))$ $\psi((1-)^{1,0} \text{ aft } 2-2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1)$	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(M \cdot \omega))$ $\psi(\psi_{\Omega_{M+1}}(0) + I_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{\Omega_{M+1}}(0) + I(1, 0, 0))$ $\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(M^M))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0)) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0))^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,0)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_{\Omega_{\psi_M(\psi_{\Omega_{M+1}}(0))+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,0)(4,2,0)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + 1))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\psi_M(\psi_{\Omega_{M+1}}(0))+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,1,0)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + \Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,1,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0))))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\psi_M(\psi_{\Omega_{M+1}}(0)) \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,1,0)(4,2,1)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0)) \cdot \omega))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\psi_M(\psi_{\Omega_{M+1}}(0)) \cdot \omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,1,0)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\psi_{\Omega_{M+1}}(0)$ $+ \psi_M(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0))^{\psi_M(\psi_{\Omega_{M+1}}(0))}))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\psi_M(\psi_{\Omega_{M+1}}(0))^{\psi_M(\psi_{\Omega_{M+1}}(0))}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + 1)))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\Omega_{\psi_M(\psi_{\Omega_{M+1}}(0))+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\alpha \rightarrow \psi_{\Omega_{M+1}}(0) + \psi_M(\alpha) \text{ FP})$ $\psi(\psi_{\Omega_{M+1}}(0) + \psi_{I_{\psi_M(\psi_{\Omega_{M+1}}(0))+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{\Omega_{M+1}}(0) + M)$ $\psi(\psi_{\Omega_{M+1}}(0) + I_{\psi_M(\psi_{\Omega_{M+1}}(0))+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)	$\psi(\psi_{\Omega_{M+1}}(0) + M \cdot \omega)$ $\psi(\psi_{\Omega_{M+1}}(0) + I_{\psi_M(\psi_{\Omega_{M+1}}(0))+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\alpha \rightarrow (\psi_{\Omega_{M+1}}(0) + M \cdot \alpha) \text{ FP})$ $\psi(\psi_{\Omega_{M+1}}(0) + \psi_{I(1, \psi_M(\psi_{\Omega_{M+1}}(0))+1)}(0))$

BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{\Omega_{M+1}}(0) + M^2)$ $\psi(\psi_{\Omega_{M+1}}(0) + I(1, \psi_M(\psi_{\Omega_{M+1}}(0)) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\alpha \rightarrow (\psi_{\Omega_{M+1}}(0) + M^\alpha) \text{ FP})$ $\psi(\psi_{\Omega_{M+1}}(0) + \psi_{I(1,0,\psi_M(\psi_{\Omega_{M+1}}(0))+1)}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{\Omega_{M+1}}(0) + M^M)$ $\psi(\psi_{\Omega_{M+1}}(0) + I(1, 0, \psi_M(\psi_{\Omega_{M+1}}(0)) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(6,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(\psi_{\Omega_{M+1}}(0) + M^{M^M})$ $\psi(\psi_{\Omega_{M+1}}(0) + I(1@1, 0, \psi_M(\psi_{\Omega_{M+1}}(0)) + 1@0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,0)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(6,3,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,1)(7,3,0)(8,4,0)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,0)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)(2,1,1)(3,1,0)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot \psi_M(\psi_{\Omega_{M+1}}(0) \cdot \Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(\alpha \rightarrow \psi_{\Omega_{M+1}}(0) \cdot \psi_M(\alpha) \text{ FP})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,1)(3,1,1)(3,0,0)	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(\alpha \rightarrow \psi_{\Omega_{M+1}}(0) \cdot M^{\psi_M(\alpha)} \text{ FP})$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M^M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{M+1}}(0)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(3,0,0)$	$\psi(\psi_{\Omega_{M+1}}(0)^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{\Omega_{M+1}}(0)^M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,0,0)$	$\psi(\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,1,0)(5,2,0)$	$\psi(\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,2,0)$	$\psi(\psi_{\Omega_{M+1}}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(5,1,0)$	$\psi(\psi_{\Omega_{M+1}}(\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(5,1,0)(2,0,0)$	$\psi(\alpha \rightarrow \psi_{\Omega_{M+1}}(\psi_M(\alpha)) \text{ FP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(5,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{\Omega_{M+1}}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(5,1,0)(6,2,0)$	$\psi(\psi_{\Omega_{M+1}}(\psi_{\Omega_{M+1}}(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(5,2,0)$	$\psi(\psi_{M_2}(0))$ $\psi(\Omega_{M+1})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)$	$\psi(\Omega_{M+\omega})$ $\psi(\psi_{M_2}(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)(5,2,1)(6,1,0)$	$\psi(\Omega_{M+\psi_M(\Omega_{M+\Omega})})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\alpha \rightarrow \Omega_{M+\psi_M(\alpha)} \text{ FP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)-$ $-(6,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{M \cdot 2})$ $\psi(\psi_{M_2}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)$	$\psi(\Omega_{\Omega_{M+1}})$ $\psi(\psi_{M_2}(\psi_{M_2}(0)))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{I_{M+1}}(0))$ $\psi(\alpha \rightarrow \psi_{M_2}(\alpha) \text{ FP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_{M+1})$ $\psi(\psi_{M_2}(M_2))$ $\psi(M_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_{M+\omega})$ $\psi(\psi_{M_2}(M_2 \cdot \omega))$ $\psi(M_2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1, M+1))$ $\psi(\psi_{M_2}(M_2^2))$ $\psi(M_2^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,1,0)(2,0,0)$	$\psi(I(M, 1))$ $\psi(\psi_{M_2}(M_2^M))$ $\psi(M_2^M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1, 0, M+1))$ $\psi(\psi_{M_2}(M_2^{M_2}))$ $\psi(M_2^{M_2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)-$ $-(7,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1@1, 0), M+1@0))$ $\psi(M_2^{M_2^{M_2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,3,0)$	$\psi(\psi_{\Omega_{M_2+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,0)(7,3,0)(7,3,0)$	$\psi(\psi_{\Omega_{M_2+1}}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,0)(7,3,0)(8,3,0)$	$\psi(\Omega_{M_2+1})$ $\psi(\psi_{M_3}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,3,1)-$ $-(8,3,1)(9,3,0)(8,3,1)(9,3,0)(8,0,0)$	$\psi(I_{M_2+1})$ $\psi(M_3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M_\omega)$ $\psi(1-2-2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(2,1,0)$	$\psi(M_\omega \cdot \Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M_\omega^2)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,0)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M_\omega^{M_\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,0)(3,2,0)$	$\psi(\psi_{\Omega_{M_\omega+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Omega_{M_\omega+1})$ $\psi(\psi_{M_\omega+1}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_{M_\omega+1})$ $\psi(M_{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,0)$	$\psi(\psi_{\Omega_{M_\omega+1+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,1)(8,3,0)(9,4,0)$	$\psi(\psi_{\Omega_{M_\omega+2+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,1)$	$\psi(M_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,1)(7,3,1)$	$\psi(M_{\omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)$	$\psi(M_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(2,1,1)$	$\psi(M_{\omega^3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)$	$\psi(M_\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)$	$\psi(M_{I_\omega})$ $\psi(M_{\psi_M(M_\omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(M_{\psi_M(M_\omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,1,0)$	$\psi(M_{\psi_M(M_\Omega)})$



BMS	反射 OCF (Madore-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,1)(5,2,1)(6,1,0)	$\psi(M_{\psi_M(M_{\psi_M(M_\Omega)})})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,1)(5,2,1)(6,1,0)(2,0,0)	$\psi(\alpha \rightarrow M_{\psi_M(\alpha)} \text{ FP})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,1)(5,2,1)(6,1,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(M_M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,1)	$\psi(M_{M_\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,1)(2,1,1)(3,1,0)	$\psi(M_{M_\Omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(\psi_{M(1,0)}(0))$ $\psi((1-)^{1,0} 2-2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(M(1,0))$ $\psi(\psi_{M(1,0)}(0))$ $\psi(2\ 1-2-2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,0)(3,0,0)	$\psi(M(1,0)^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\psi_{\Omega_{M(1,0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,0)(5,2,0)	$\psi(\Omega_{M(1,0)+1})$ $\psi(\psi_{M_{M(1,0)+1}}(0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,0)(5,2,1)(6,2,0)(5,0,0)	$\psi(I_{M(1,0)+1})$ $\psi(M_{M(1,0)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)	$\psi(I_{M(1,0)+\omega})$ $\psi(M_{M(1,0)+1} \cdot \omega)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1, M(1, 0) + 1))$ $\psi(M_{M(1,0)+1}^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,0)(7,3,0)$	$\psi(\psi_{\Omega_{M(1,0)+1}+1}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)$	$\psi(M_{M(1,0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(5,2,1)$	$\psi(M_{M(1,0)+\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,0)$	$\psi(M_{\Omega_{M(1,0)+1}})?$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,0)$	$\psi(M_{\Omega_{M(1,0)+1}})?$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{M(1,1)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,0)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(1, 1))$ $\psi(\psi_{M(1;0)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(M(1, \omega))$ $\psi(\psi_{M(1;0)}(\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(2,1,1)$	$\psi(M(1, \omega^2))$ $\psi(\psi_{M(1;0)}(\omega^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,0)$	$\psi(M(1, \Omega))$ $\psi(\psi_{M(1;0)}(\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{M(2,0)}(0))$ $\psi(\alpha \rightarrow \psi_{M(1;0)}(\alpha) \text{ FP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(2, 0))$ $\psi(\psi_{M(1;0)}(M(1; 0)))$ $\psi(M(1; 0))$ $\psi(2 - 2 \ 1 - 2 - 2)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(2, 0)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(3,0,0)$	$\psi(M(2, 0)^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(2, 0)^{M(2,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{M(2,0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{M(2,0)+1})$ $\psi(\psi_{M_{M(2,0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_{M(2,0)+1})$ $\psi(M_{M(2,0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(M_{M(2,0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(1, M(2, 0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(2, 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(M(2, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)(2,1,1)$	$\psi(M(2, \omega^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)$	$\psi(M(2, \Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{M(3,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(3, 0))$ $\psi(\psi_{M(1;0)}(M(1; 0)^2))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(M(3, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,0,0)$	$\psi(M(\omega, 0))$ $\psi(\psi_{M(1;0)}(M(1;0)^\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,0)$	$\psi(M(\Omega, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{M(1,0,0)}(0))$ $\psi((2 \ 1 -)^{1,0} \ 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0, 0))$ $\psi((2 \ 1 -)^{1,1} \ 2 - 2)$ $\psi(\psi_{M(1;0)}(M(1;0)^{M(1;0)}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)$	$\psi(M(1, 0, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 1, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,0,0)$	$\psi(M(1, \omega, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(2, 0, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(3,0,0)$	$\psi(M(\omega, 0, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0, 0, 0))$ $\psi(\psi_{M(1;0)}(M(1;0)^{M(1;0)^2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,0,0)$	$\psi(M(1@ \omega))$ $\psi(\psi_{M(1;0)}(M(1;0)^{M(1;0)^\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,1,0)(2,0,0)$	$\psi(M(1@ (1, 0)))$ $\psi(\psi_{M(1;0)}(M(1;0)^{M(1;0)^{M(1;0)}}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{M(1;0)+1}}(0))$ $\psi((1-)^{1,0} \ 2 - 2 \ 1 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{M(1;0)+1})$ $\psi(2 \text{ aft } 2 - 2 \ 1 - 2 - 2)$ $\psi(\psi_{M_{M(1;0)+1}}(0))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_{M(1;0)+1})$ $\psi(2\ 1 - 2\ \text{aft}\ 2 - 2\ 1 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)$	$\psi(M_{M(1;0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(\psi_{M(1,M(1;0)+1)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(1, M(1;0) + 1))$ $\psi(\psi_{M(1;1)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(2, M(1;0) + 1))$ $\psi(\psi_{M(1;1)}(M(1;1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(6,1,0)$	$\psi(M(\Omega, M(1;0) + 1))$ $\psi(\psi_{M(1;1)}(M(1;1)^\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(1, 0, M(1;0) + 1))$ $\psi(\psi_{M(1;1)}(M(1;1)^{M(1;1)}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(6,2,0)(7,3,0)$	$\psi(\psi_{\Omega_{M(1;1)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)-$ $-(6,2,0)(7,3,0)(8,3,0)$	$\psi(\Omega_{M(1;1)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,1)(9,3,1)(8,3,1)-$ $-(9,3,1)(9,3,0)(10,4,0)(11,4,0)$	$\psi(\Omega_{M(1;2)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1; \omega))$ $\psi(1 - 2 - 2\ 1 - 2 - 2)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)$	$\psi(M(1; \omega^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{M(1;1,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1; 1, 0))$ $\psi(2 \ 1 - 2 - 2 \ 1 - 2 - 2)$ $\psi(\psi_{M(2;0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(M(1; 1, \omega))$ $\psi(1 - 2 \ 1 - 2 - 2 \ 1 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,1)(2,0,0)$	$\psi(M(1; 2, 0))$ $\psi(2 \ 1 - 2 \ 1 - 2 - 2 \ 1 - 2 - 2)$ $\psi(\psi_{M(2;0)}(M(2; 0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(2,0,0)$	$\psi(M(1; 1, 0, 0))$ $\psi((2 \ 1 -)^{1,1} \ 2 - 2 \ 1 - 2 - 2)$ $\psi(\psi_{M(2;0)}(M(2; 0)^{M(2;0)}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,0,0)$	$\psi(M(1; 1 @ \omega))$ $\psi(\psi_{M(2;0)}(M(2; 0)^{M(2;0)^\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)(2,0,0)$	$\psi(M(1; 1 @ (1, 0)))$ $\psi(\psi_{M(2;0)}(M(2; 0)^{M(2;0)^{M(2;0)}}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{M(2;0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{M(2;0)+1})$ $\psi(2 \text{ aft } 2 - 2 \ 1 - 2 - 2 \ 1 - 2 - 2)$ $\psi(\psi_{M_{M(2;0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(6,2,0)(7,3,0)(8,3,0)$	$\psi(\Omega_{M(2;1)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(2; \omega))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(3,0,0)$	$\psi(M(\omega; 0))$ $\psi((2-2\ 1-)^{\omega}\ 2-2)$ $\psi(\psi_N(\omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)$	$\psi(M(\Omega; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{M(1,0;0)}(0))$ $\psi((2-2\ 1-)^{1,0}\ 2-2)$ $\psi(\alpha \rightarrow \psi_N(\alpha)\ \text{FP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0; 0))$ $\psi(2\ 1 - (2-2\ 1-)^{1,0}\ 2-2)$ $\psi(\alpha \rightarrow \psi_N(\alpha)\ \text{AP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,1,1)(3,1,1)$	$\psi(M(1, 0; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0; 1, 0))$ $\psi(\psi_{M(1,1;0)}(0))$ $\psi(\psi_{\psi_N(N)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0; 1, 0, 0))$ $\psi(\psi_{M(1,1;0)}(M(1, 1; 0)^{M(1,1;0)}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1, 1; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1, 2; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)(3,0,0)$	$\psi(M(1, \omega; 0))$ $\psi(\psi_N(N + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_{M(2,0;0)}(0))$ $\psi(\alpha \rightarrow \psi_N(N + \alpha)\ \text{FP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(2, 0; 0))$ $\psi(\alpha \rightarrow \psi_N(N + \alpha)\ \text{AP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(2, 0; 1, 0))$ $\psi(\psi_{M(2;1,0)}(0))$ $\psi(\psi_{\psi_N(N \cdot 2)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(2, 1; \omega))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(3,0,0)$	$\psi(M(\omega, 0; 0))$ $\psi(\psi_N(N \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(\psi_{M(1,0,0;0)}(0))$ $\psi(\alpha \rightarrow \psi_N(N \cdot \alpha) \text{ FP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0, 0; 0))$ $\psi(\alpha \rightarrow \psi_N(N \cdot \alpha) \text{ AP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0, 0; 1, 0))$ $\psi(\psi_{\psi_N(N^2)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1, 0, 1; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 1, 0; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(2, 0, 0; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(3,1,0)(3,0,0)$	$\psi(M(\omega, 0, 0; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(3,1,0)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0, 0, 0; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,0,0)$	$\psi(M(1@ \omega; 0))$ $\psi(\psi_N(N^\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)(2,0,0)$	$\psi(M(1@(1, 0; 0))$ $\psi((2 - 2 \ 1 -)^{1@ (1,0)} \ 2 - 2)$ $\psi(\alpha \rightarrow \psi_N(N^\alpha) \text{ FP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1@(1, 0; 1, 0))$ $\psi(2 \ 1 - (2 - 2 \ 1 -)^{1@ (1,0)} \ 2 - 2)$ $\psi(\alpha \rightarrow \psi_N(N^\alpha) \text{ AP})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1@(1, 1; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)(3,1,0)-$ $-(4,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1@(2, 0; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)(4,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1@(1, 0, 0; 0))$



BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)(5,0,0)$	$\psi(M(1@ (1@ \omega); 0))$ $\psi(\psi_N(N^{N^\omega}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(5,1,0)(2,0,0)$	$\psi(M(1@ (1@ (1, 0)); 0))$ $\psi(\psi_N(N^{N^N}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi(\psi_{\Omega_{N+1}}(0))$ $\psi((1-)^{1,0} \text{ aft } 2-2-2)$ $\psi(\psi_N(\varepsilon_{N+1}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)(4,2,0)$	$\psi(2\text{nd } (1-)^{1,0} \text{ aft } 2-2-2)$ $\psi(\psi_{\Omega_{N+1}}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)(5,2,0)$	$\psi(2 \text{ aft } 2-2-2)$ $\psi(\Omega_{N+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)$	$\psi(1-2 \text{ aft } 2-2-2)$ $\psi(\Omega_{N+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi((1-)^{1,0} 2 \text{ aft } 2-2-2)$ $\psi(\psi_{I_{N+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(2 \text{ } 1-2 \text{ aft } 2-2-2)$ $\psi(I_{N+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(1-2 \text{ } 1-2 \text{ aft } 2-2-2)$ $\psi(I_{N+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(1-2-2 \text{ aft } 2-2-2)$ $\psi(M_{N+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,1)$	$\psi(1-2 \text{ } 1-2-2 \text{ aft } 2-2-2)$ $\psi(M(1, N+\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(1-2-2 \text{ } 1-2-2 \text{ aft } 2-2-2)$ $\psi(M(1; N+\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(6,0,0)$	$\psi((2-2 \text{ } 1-)^{\omega} 2-2 \text{ aft } 2-2-2)$ $\psi(M(\omega; N+1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(6,1,0)(2,0,0)$	$\psi((2-2 \text{ } 1-)^{(2-2-2)} 2-2 \text{ aft } 2-2-2)$ $\psi(M(N; 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(6,2,0)(5,0,0)$	$\psi((2-2 \text{ } 1-)^{1,0} 2-2 \text{ aft } 2-2-2)$ $\psi(M(1, 0; N+1))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(6,2,0)(7,2,0)$	$\psi((2-2\ 1-)^{1\oplus(1,0)}\ 2-2\ \text{aft}\ 2-2-2)$ $\psi(M(1\oplus(1,0); N+1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(6,2,0)(7,3,0)$	$\psi((1-)^{1,0}\ \text{aft}\ 2\text{nd}\ 2-2-2)$ $\psi(\psi_{\Omega_{N_2+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)-$ $-(9,3,1)(9,3,0)(10,4,0)$	$\psi((1-)^{1,0}\ \text{aft}\ 3\text{rd}\ 2-2-2)$ $\psi(\psi_{\Omega_{N_3+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-2)$ $\psi(N_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)$	$\psi(1-1-2-2-2)$ $\psi(N_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,0)$	$\psi((1-)^{(2)}\ 2-2-2)$ $\psi(N_\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(3,1,1)$	$\psi((1-)^{(1-2-2-2)}\ 2-2-2)$ $\psi(N_{N_\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi((1-)^{1,0}\ 2-2-2)$ $\psi(\psi_{N(1,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(1-2\ 1-2-2-2)$ $\psi(N(1, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi((2\ 1-)^{1,0}\ 2-2-2)$ $\psi(\psi_{N(1,0,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi((1-)^{1,0}\ \text{aft}\ 2-2\ 1-2-2-2)$ $\psi(\psi_{\Omega_{N(1,0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2\ 1-2-2-2)$ $\psi(N(1; \omega))$ $\psi(M(1; 1; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2\ 1-2-2\ 1-2-2-2)$ $\psi(N(2; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,0)$	$\psi((2-2\ 1-)^{(2)}\ 2-2-2)$ $\psi(N(\Omega; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi((2-2\ 1-)^{1,0}\ 2-2-2)$ $\psi(\psi_{N(1,0;0)}(0))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi((1-)^{1,0} \text{ aft } 2-2-2 \ 1-2-2-2)$ $\psi(\psi_{\Omega_{N(1;0;0)+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-2 \ 1-2-2-2)$ $\psi(N(1;0;\omega))$ $\psi(M(2;0;\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-2 \ 1-2-2-2 \ 1-2-2-2)$ $\psi(N(2;0;\omega))$ $\psi(M(3;0;\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,0,0)$	$\psi((2-2-2 \ 1-)^{\omega} 1-2-2-2)$ $\psi(M(\omega;0;0))$ $\psi(N(\omega;0;0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)$	$\psi((2-2-2 \ 1-)^{(2)} 1-2-2-2)$ $\psi(M(\Omega;0;0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi((2-2-2 \ 1-)^{1,0} 1-2-2-2)$ $\psi(\psi_{M(1,0;0;0)}(0))$ $\psi(\psi_Q(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)(2,0,0)$	$\psi((2-2-2 \ 1-)^{1\textcircled{1}(1,0)} 1-2-2-2)$ $\psi(\psi_Q(Q^{Q^Q}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi((1-)^{1,0} \text{ aft } 2-2-2-2)$ $\psi(\psi_{\Omega_{Q+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-2-2)$ $\psi(Q_{\omega})$ $\psi(M(1;0;0;\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(1-2 \ 1-2-2-2-2)$ $\psi(Q(1,\omega))$ $\psi(M(1;0;0;1,\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2 \ 1-2-2-2 \ 1-2-2-2-2)$ $\psi(Q(1;1;\omega))$ $\psi(M(1;1;1;\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-2-2-2)$ $\psi(Q\{2\}_{\omega})$ $\psi(M(1;0;0;0;\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,0,0)$	$\psi((2-)^{\omega})$ $\psi(Q\{\omega\})$ $\psi(M(1;@\omega))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)$	$\psi((2-)^{(2)})$ $\psi(Q\{\Omega\})$ $\psi(M(1; @\Omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)$	$\psi((2-)^{(2-)^{(2)})}$ $\psi(M(1; @M(1; @\Omega)))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{1,0})$ $\psi(\psi_K(0))$ $\psi(M(1; @(1, 0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(2nd (2-)^{1,0})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(2,1,1)$	$\psi(1 - (2-)^{1,0})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(2,1,1)(3,1,1)$	$\psi(1 - 2 \ 1 - (2-)^{1,0})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(1 - 2 - 2 \ 1 - (2-)^{1,0})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(2,1,1)(3,1,1)(4,1,0)$	$\psi((2-)^{(2)} \ 1 - (2-)^{1,0})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(2,1,1)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{1,0} \ 1 - (2-)^{1,0})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,0)(2,0,0)$	$\psi(((2-)^{1,0} \ 1-)^{1,0} (2-)^{1,0})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(3,1,1)$	$\psi(1 - (2-)^{1,1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,1)(3,1,1)$	$\psi(1 - (2-)^{1,2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,1)(4,1,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{1,(2-)^{1,0}})$ $\psi(\psi_K(\psi_K(0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{2,0})$ $\psi(\psi_K(K))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(3,1,1)(4,1,0)(3,1,1)(4,0,0)(2,0,0)$	$\psi((2-)^{3,0})$ $\psi(\psi_K(K^2))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(4,0,0)$	$\psi((2-)^{\omega,0})$ $\psi(\psi_K(K^\omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(4,1,0)(2,0,0)$	$\psi((2-)^{1,0,0})$ $\psi(\psi_K(K^K))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(4,1,0)(3,1,1)(4,1,0)(4,1,0)(2,0,0)$	$\psi((2-)^{2,0,0})$ $\psi(\psi_K(K^{K \cdot 2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi((2-)^{1,0,0,0})$ $\psi(\psi_K(K^{K^2}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,1,0)(2,0,0)$	$\psi((2-)^{1\oplus(1,0)})$ $\psi(\psi_K(K^{K^K}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,1,0)(6,1,0)(2,0,0)$	$\psi((2-)^{1\oplus(1\oplus(1,0))})$ $\psi(\psi_K(K^{K^{K^K}}))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(5,2,0)$	$\psi((1-)^{1,0} \text{ aft } 3)$ $\psi(\psi_{\Omega_{K+1}}(0))$ $\psi(\psi_K(\varepsilon_{K+1}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(6,2,0)$	$\psi(2 \text{ aft } 3)$ $\psi(\Omega_{K+1})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(5,2,1)$	$\psi(1-2 \text{ aft } 3)$ $\psi(\Omega_{K+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,0)(6,0,0)$	$\psi((1-)^{1,0} 2 \text{ aft } 3)$ $\psi(\psi_{I_{K+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,1)(6,2,1)(7,2,1)$	$\psi(1-2 1-2 \text{ aft } 3)$ $\psi(I_{K+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,1)(6,2,1)(7,2,1)(7,2,1)$	$\psi(1-2-2 \text{ aft } 3)$ $\psi(M_{K+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(7,2,1)(7,2,1)$	$\psi(1-2-2-2 \text{ aft } 3)$ $\psi(N_{K+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,0,0)$	$\psi((2-)^{\omega} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,1,0)$	$\psi((2-)^{(2)} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi((2-)^{(1-2-2)} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(4,0,0)$	$\psi((2-)^{(2-)^{\omega}} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,1,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{(2-)^{1,0}} \text{ aft } 3)$ $\psi((2-)^{\psi_K(0)} \text{ aft } 3)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,1,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(4,1,0)(3,1,1)$	$\psi((2-)^{(2-)^{1,1}} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,1,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(4,1,0)(5,2,0)$	$\psi((2-)^{\psi_K(\psi_{\Omega_{K+1}}(0))} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,1,0)(2,0,0)$	$\psi((2-)^{(3)} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,2,0)(6,0,0)$	$\psi((2-)^{1,0} \text{ aft } 3)$ $\psi(\psi_{K_2}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,2,0)(9,3,0)$	$\psi((1-)^{1,0} \text{ aft 2nd } 3)$ $\psi(\psi_{\Omega_{K_2+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,2,0)(9,3,1)-$ $-(10,3,1)(11,3,1)(12,3,0)(13,4,0)$	$\psi((2-)^{1,0} \text{ aft 2nd } 3)$ $\psi(\psi_{K_3}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1-3)$ $\psi(K_\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,2,1)$	$\psi(2\text{nd } 1-3)$ $\psi(K_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(2,1,1)$	$\psi(1-1-3)$ $\psi(K_{\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,0)$	$\psi((1-)^{(2)} 3)$ $\psi(K_\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)$	$\psi((1-)^{(1-2 \ 1-2)} 3)$ $\psi(K_{I_\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(5,2,1)(6,2,1)-$ $-(7,2,1)(8,1,0)(2,0,0)$	$\psi((1-)^{(3)} 3)$ $\psi(K_K)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi((1-)^{1,0} 3)$ $\psi(\psi_{K(1,0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)$	$\psi(1-2 \ 1-3)$ $\psi(K(1, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2 \ 1-3)$ $\psi(K(1; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-2 \ 1-3)$ $\psi(K(1; 0; \omega))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(4,0,0)$	$\psi((2-)^{\omega} 1-3)$ $\psi(K(1; @ \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{1,0} 1-3)$ $\psi(K(1; @(1,0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1-3 \ 1-3)$ $\psi(K(1;; \omega))$ $\psi(M(2;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(3,0,0)$	$\psi((3 \ 1-)^{\omega} 3)$ $\psi(K(\omega;; 0))$ $\psi(M(\omega;; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,0)(2,0,0)$	$\psi((3 \ 1-)^{1,0} 3)$ $\psi(\psi_{K(1,0;; 0)}(0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(3,1,1)$	$\psi(1-2-3)$ $\psi(K(1; 0;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1-3 \ 1-2-3)$ $\psi(K(1; 1;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(4,1,1)(3,1,1)$	$\psi(1-2-3 \ 1-2-3)$ $\psi(K(2; 0;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-3)$ $\psi(K(1; 0; 0;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,0,0)$	$\psi((2-)^{\omega} 3)$ $\psi(K(\{1; @ \omega\};; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{1,0} 3)$ $\psi(K(\{1; @(1,0)\};; 0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(3,1,1)(4,1,1)$	$\psi(1-3 \ 2-3)$ $\psi(K(1;; 0;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,1,1)(3,1,1)(4,1,1)$	$\psi(1-3 \ 2-3 \ 2-3)$ $\psi(K(1;; 0; 0;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(4,0,0)$	$\psi((3 \ 2-)^{\omega} 3)$ $\psi(K(1;; @ \omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(4,1,0)(2,0,0)$	$\psi((3 \ 2-)^{1,0} 3)$ $\psi(K(1;; @(1,0)))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(4,1,1)$	$\psi(1-3-3)$ $\psi(K(1;;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1-3 \ 1-3-3)$ $\psi(K(1;;; 1;; \omega))$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(4,1,1)(4,1,1)$	$\psi(1-3-3\ 1-3-3)$ $\psi(K(2;;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)(3,1,1)$	$\psi(1-2-3-3)$ $\psi(K(1;0;;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)(3,1,1)(4,1,1)$	$\psi(1-3\ 2-3-3)$ $\psi(K(1;;;0;;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(4,1,1)(3,1,1)(4,1,1)(4,1,1)$	$\psi(1-3-3\ 2-3-3)$ $\psi(K(1;;;0;;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)(4,1,1)$	$\psi(1-3-3-3)$ $\psi(K(1;;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)(4,1,1)(4,1,1)$	$\psi(1-3-3-3-3)$ $\psi(K(1;;;; \omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(5,0,0)$	$\psi((3-)^{\omega})$ $\psi(K(1[\omega]0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(5,1,0)$	$\psi((3-)^{(2)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,1)(6,2,1)(7,2,1)-$ $-(8,2,1)(9,1,0)(2,0,0)$	$\psi((3-)^{(3)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,0)(2,0,0)$	$\psi((3-)^{1,0})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,0)(6,2,0)$	$\psi(2 \text{ aft } 4)$ $\psi(\psi_{\Omega_{\kappa+1}}(0))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(5,1,1)$	$\psi(1-4)$ $\psi(\kappa_{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(2,1,1)$	$\psi(1-1-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(2,1,1)(3,1,1)$	$\psi(1-2\ 1-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1-3\ 1-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(2,1,1)(3,1,1)(4,1,1)(5,1,1)$	$\psi(1-4\ 1-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(3,1,1)$	$\psi(1-2-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-4)$



BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(3,1,1)(4,1,1)$	$\psi(1-3\ 2-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(3,1,1)(4,1,1)(5,1,1)$	$\psi(1-4\ 2-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(4,1,1)$	$\psi(1-3-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(4,1,1)(5,1,1)$	$\psi(1-4\ 3-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(5,0,0)$	$\psi((4\ 3-)^{\omega}\ 4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(5,1,1)$	$\psi(1-4-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(5,1,1)(5,1,1)$	$\psi(1-4-4-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,0,0)$	$\psi((4-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)$	$\psi(1-5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(6,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)$	$\psi(1-5\ 1-5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)(3,1,0)$	$\psi((5\ 1-)^{(2)}\ 5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)(3,1,1)$	$\psi(1-2-5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)(4,1,1)$	$\psi(1-3-5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(6,1,1)(5,1,1)$	$\psi(1-4-5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(6,1,1)(6,1,1)$	$\psi(1-5-5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(6,1,1)(7,1,1)$	$\psi(1-6)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(6,1,1)(7,1,1)(8,1,1)$	$\psi(1-7)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(6,1,1)(7,1,1)(8,1,1)(9,1,1)$	$\psi(1-8)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)(7,1,1)-$ $-(8,1,1)(9,1,1)(10,1,1)$	$\psi(1-9)$

BMS	反射 OCF (Madore-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)(7,1,1)-$ $-(8,1,1)(9,1,1)(10,1,1)(11,1,1)$	$\psi(1-10)$
$(0,0,0)(1,1,1)(2,2,0)$	$\psi(\text{psd. } \Pi_\omega)$ $\psi(\lambda\alpha.(\alpha+1)-\Pi_0)$

## A.11 BMS vs 反射 OCF(Buchholz-like)

本节的结果主要引自<sup>[18-23]</sup>，所使用的反射 OCF 为帕秋莉定义的 Buchholz-like 版本。

BMS	反射 OCF (Buchholz-like)
$(0,0)(1,1)$	$\psi(\Omega)$ $\psi(M)$
$(0,0,0)(1,1,1)$	$\psi(\Omega_\omega)$ $\psi(M \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)$	$\psi(\Omega_{\omega^2})$ $\psi(M \cdot \omega^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_\Omega)$ $\psi(M \cdot \psi_M(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)$	$\psi(\Omega_{\Omega_\omega})$ $\psi(M \cdot \psi_M(M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_{\Omega_\Omega})$ $\psi(M \cdot \psi_M(M \cdot \psi_M(M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,0)$	$\psi(\Omega_{\Omega_{\Omega_\Omega}})$ $\psi(M \cdot \psi_M(M \cdot \psi_M(M \cdot \psi_M(M))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I)$ $\psi(M^2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,0,0)(1,0,0)$	$\psi(I+1)$ $\psi(M^2+1)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,0,0)(1,1,0)$	$\psi(I+\Omega)$ $\psi(M^2+\psi_{\psi_M(M^2)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,0,0)(1,1,0)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,0,0)(2,2,0)$	$\psi(I+\Omega_2)$ $\psi(M^2+\psi_{\psi_M(M^2)}(2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,0,0)(1,1,1)$	$\psi(I+\Omega_\omega)$ $\psi(M^2+\psi_{\psi_M(M^2)}(\omega))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,0,0)(1,1,1)(2,1,1)(3,1,0)$	$\psi(I + \Omega_\Omega)$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(1,1,1)$	$\psi(I + \Omega_\Omega)$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)$	$\psi(I + \Omega_{\Omega_\omega})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M\psi_M(M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(1,1,1)$	$\psi(I + \Omega_{\Omega_\Omega})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M\psi_M(M\psi_M(M))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_I(I))$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,0,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(1))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,0,0)(2,0,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(2))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(\Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(1,1,1)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(\Omega_\omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I) + \psi_I(I))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2) + \psi_{\psi_M(M^2)}(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I) + \psi_{\Omega_{\psi_I(I)+1}}(\Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I) \cdot 2)$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + 1))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(2,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(2,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_I(I)))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2)}(M^2)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(2,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_I(I)) + \psi_{\Omega_{\psi_I(I)+1}}(\Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2)) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(2,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(2,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_I(I)) \cdot 2)$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2)) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(2,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_I(I) + 1))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(2,1,0)(2,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_I(I) \cdot 2 + 1))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2) \cdot 2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(1)))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,0,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(1) + 1))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,0,0)(2,1,0)(3,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(1) \cdot 2))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,0,0)(3,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(2)))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(M)))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I)))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I) + 1))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2) + 1))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,1,0)(2,1,0)(3,0,0)	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(1)))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2)}$ $+ \psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,1,0)(2,1,0)(3,1,0)- -(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I \cdot 2))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2$ $+ \psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2) \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,1,0)(2,1,0)(3,1,0)(2,1,0)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I \cdot 3))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2$ $+ \psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2) \cdot 3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,1,0)(3,0,0)	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I + 1)))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2$ $+ \psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2 + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,1,0)(3,1,0)(1,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_I(I))))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_{M(M^2)}(M^2))}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,1,0)(4,0,0)	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(1))))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2$ $+ \psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,0)	$\psi(I + \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,0)(1,1,1)- -(2,1,1)(3,1,1)(2,0,0)	$\psi(I + \Omega_{\psi_I(I)+1} + \psi_I(I))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)} + \psi_{\psi_{M(M^2)}(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,0)(3,2,0)	$\psi(I + \Omega_{\psi_I(I)+1} + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1}))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2 + 1) +$ $\psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)})))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,0)(2,0,0)	$\psi(I + \Omega_{\psi_I(I)+1} + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1} + 1))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2 + 1) +$ $\psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)} + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,0)(3,2,0)(2,1,0)(1,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I + \Omega_{\psi_I(I)+1} + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1} + \psi_I(I)))$ $\psi(M^2 + \psi_{\psi_{M(M^2)}(M^2+1)}(M^2 + 1) + \psi_{\psi_{\psi_{M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{M(M^2)}(M^2+1)}(M^2)))))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,0)(2,1,0)(3,2,0)$	$\begin{aligned} &\psi(I + \Omega_{\psi_I(I)+1} + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1} \\ &\quad + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1}))) \\ &\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \\ &\quad \psi_{\psi_M(M^2)}(M^2 + 1) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 \\ &\quad + \psi_{\psi_M(M^2)}(M^2 + 1)))) \end{aligned}$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,0)(3,0,0)$	$\begin{aligned} &\psi(I + \Omega_{\psi_I(I)+1} + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1} + \\ &\quad \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1} + 1))) \\ &\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \\ &\quad \psi_{\psi_M(M^2)}(M^2 + 1) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 \\ &\quad + \psi_{\psi_M(M^2)}(M^2 + 1) + 1))) \end{aligned}$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(3,1,0)(4,2,0)$	$\begin{aligned} &\psi(I + \Omega_{\psi_I(I)+1} + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1} + \psi_{\Omega_{\psi_I(I)+1}}(I + \\ &\quad \Omega_{\psi_I(I)+1} + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1}))) \\ &\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \\ &\quad \psi_{\psi_M(M^2)}(M^2 + 1) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 \\ &\quad + \psi_{\psi_M(M^2)}(M^2 + 1) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \\ &\quad \psi_{\psi_M(M^2)}(M^2 + 1)))) \end{aligned}$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(3,2,0)$	$\begin{aligned} &\psi(I + \Omega_{\psi_I(I)+1} \cdot 2) \\ &\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1) \cdot 2) \end{aligned}$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)$	$\begin{aligned} &\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(\Omega)) \\ &\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M)) \end{aligned}$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\begin{aligned} &\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I)) \\ &\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2)) \end{aligned}$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\begin{aligned} &\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + 1)) \\ &\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \\ &\quad \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + 1)) \end{aligned}$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(2,1,0)(3,2,0)$	$\begin{aligned} &\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \\ &\quad \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1}))) \\ &\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \\ &\quad \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) \\ &\quad + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1)))) \end{aligned}$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(2,1,0)(3,2,0)(4,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+2}}(I) +$ $\psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+2}}(\Omega))))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(3,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+2}}(I) +$ $\psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \Omega)))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_M(M^2)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(3,1,0)(4,2,0)(5,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \psi_{\Omega_{\psi_I(I)+1}}(I +$ $\psi_{\Omega_{\psi_I(I)+2}}(I) + \psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+2}}(I) +$ $\psi_{\Omega_{\psi_I(I)+1}}(I + \psi_{\Omega_{\psi_I(I)+2}}(\Omega))))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2$ $+ \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(3,2,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_M(M^2)}(M^2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(3,2,0)(4,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I) + \psi_{\Omega_{\psi_I(I)+2}}(\Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(4,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I + 1))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(4,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I + \Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2 + \psi_{\psi_M(M^2)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(4,1,0)(4,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I + \psi_I(I) + \Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2) + \psi_{\psi_M(M^2)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(5,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I + \psi_{\Omega_{\psi_I(I)+1}}(1)))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,1,0)(5,2,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1})))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,2,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I + \Omega_{\psi_I(I)+1}))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+2)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,2,0)(4,2,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I + \Omega_{\psi_I(I)+1} \cdot 2))$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+2)(M^2 + \psi_{\psi_M(M^2)}(M^2+1) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,2,0)(5,2,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+2}}(I + \psi_{\Omega_{\psi_I(I)+2}}(I + \Omega_{\psi_I(I)+1})))$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+2)(M^2 +$ $\psi_{\psi_M(M^2)}(M^2+2)(M^2 + \psi_{\psi_M(M^2)}(M^2+1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,3,0)$	$\psi(I + \Omega_{\psi_I(I)+2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,3,0)(2,0,0)$	$\psi(I + \Omega_{\psi_I(I)+2} + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+2} + 1))$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+2) + \psi_{\psi_M(M^2)}(M^2+1)(M^2 +$ $\psi_{\psi_M(M^2)}(M^2+2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,3,0)(3,2,0)$	$\psi(I + \Omega_{\psi_I(I)+2} + \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+2) + \psi_{\psi_M(M^2)}(M^2+1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,3,0)(3,2,0)(4,3,0)$	$\psi(I + \Omega_{\psi_I(I)+2} + \psi_{\Omega_{\psi_I(I)+2}}(I + \Omega_{\psi_I(I)+2}))$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+2) + \psi_{\psi_M(M^2)}(M^2+2)(M^2 +$ $\psi_{\psi_M(M^2)}(M^2+2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,3,0)(4,3,0)$	$\psi(I + \Omega_{\psi_I(I)+2} \cdot 2)$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+2) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+3}}(1))$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+3)(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,0)(4,3,0)(5,4,0)$	$\psi(I + \Omega_{\psi_I(I)+3})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(3,2,0)$	$\psi(I + \Omega_{\psi_I(I)+\omega} + \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+\omega) + \psi_{\psi_M(M^2)}(M^2+1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(3,2,0)(4,3,1)(4,3,0)$	$\psi(I + \Omega_{\psi_I(I)+\omega} + \Omega_{\psi_I(I)+2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+\omega) + \psi_{\psi_M(M^2)}(M^2+2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(3,2,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega} \cdot 2)$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+\omega) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(\Omega))$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+\omega+1)(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I))$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2+\omega+1)(M^2))$



BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(3,2,1)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I) + \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}(M^2)$ $+ \psi_{\psi_M(M^2)}(M^2 + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(3,2,1)(4,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I) + \psi_{\Omega_{\psi_I(I)+\omega+1}}(\Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}(M^2)$ $+ \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(4,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}(M^2 + \psi_{\psi_M(M^2)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(4,1,0)-$ $-(3,2,1)(4,1,0)(4,1,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \psi_I(I)) +$ $\psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \Omega))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}(M^2 + \psi_{\psi_M(M^2)}(M^2)) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}$ $(M^2 + \psi_{\psi_M(M^2)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(4,1,0)(4,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \psi_I(I) + 1))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}$ $(M^2 + \psi_{\psi_M(M^2)}(M^2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(5,0,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(1)))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}$ $(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(5,2,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1})))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}$ $(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,1,0)(5,2,1)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+\omega})))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + \omega))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,0)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \Omega_{\psi_I(I)+1}))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}$ $(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,0)(3,2,1)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \Omega_{\psi_I(I)+\omega}))$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}$ $(M^2 + \psi_{\psi_M(M^2)}(M^2 + \omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,0)(3,2,1)(4,2,0)(3,2,1)$	$\psi(I + \psi_{\Omega_{\psi_I(I)+\omega+1}}(I + \Omega_{\psi_I(I)+\omega}) \cdot 2)$ $\psi(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+\omega+1)}(M^2 + \psi_{\psi_M(M^2)}$ $(M^2 + \omega)) \cdot 2)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,0)$	$\psi(I + \Omega_{\psi_I(I)+\omega+1})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \omega + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,0)(6,4,0)$	$\psi(I + \Omega_{\psi_I(I)+\omega+2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \omega + 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega \cdot 2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,0)(5,3,1)(6,3,0)(7,4,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega \cdot 3})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \omega \cdot 3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega^2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi(2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,0)(5,3,0)$	$\psi(I + \Omega_{\psi_I(I)+\omega^2+1})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi(2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,0)(5,3,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega^2+\omega})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi(2) + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,0)-$ $-(5,3,1)(6,3,0)(7,4,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega^2+\omega \cdot 2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi(2) + \omega \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,0)(5,3,1)(6,3,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega^2 \cdot 2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi(2) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,0)(5,3,1)-$ $-(6,3,1)(6,3,0)(7,4,1)(8,4,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega^2 \cdot 3})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi(2) \cdot 3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,0)(5,3,1)-$ $-(6,3,1)(6,3,0)(7,4,1)(8,4,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega^2 \cdot 3})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi(2) \cdot 3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(4,2,1)$	$\psi(I + \Omega_{\psi_I(I)+\omega^3})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi(3)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)$	$\psi(I + \Omega_{\psi_I(I)+\Omega})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \Omega_{\psi_I(I) \cdot 2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,0)(5,3,0)$	$\psi(I + \Omega_{\psi_I(I) \cdot 2+1})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(M^2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,1,0)(1,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I + \Omega_{\psi_I(I) \cdot 3})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(M^2) \cdot 2))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)$	$\psi(I + \Omega_{\psi_I(I) \cdot \omega})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(4,2,1)(4,2,1)$	$\psi(I + \Omega_{\psi_I(I) \cdot \omega^2})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)-$ $-(4,2,1)(5,1,0)(4,2,1)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+1)})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(5,0,0)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\psi_I(I) \cdot \omega)})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(5,1,0)(4,2,1)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\psi_{\Omega_{\psi_I(I)+1}}(I+1))})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(5,1,0)(5,0,0)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\psi_{\Omega_{\psi_I(I)+1}}(I+1))})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(6,0,0)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\psi_{\Omega_{\psi_I(I)+1}}(I+\psi_I(I) \cdot \omega))})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(1))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(6,2,0)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\Omega_{\psi_I(I)+1})})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(6,2,1)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\Omega_{\psi_I(I)+\omega})})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \omega))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)-$ $-(6,2,1)(7,2,1)(8,1,0)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\Omega_{\psi_{\Omega_{\psi_I(I)+1}}(\Omega))})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)-$ $-(6,2,1)(7,2,1)(8,1,0)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\Omega_{\psi_{\Omega_{\psi_I(I)+1}}(\Omega))})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(6,2,1)-$ $-(7,2,1)(8,1,0)(9,2,0)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I+\Omega_{\psi_I(I)+1}))})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + 1))))))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,1,0)(6,2,1)(7,2,1)-$ $-(8,1,0)(9,2,1)(10,2,1)(11,1,0)$	$\psi(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_{\Omega_{\psi_I(I)+1}}(\Omega)))})})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)$	$\psi(I + \Omega_{\Omega_{\psi_I(I)+1}})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(3,2,1)$	$\psi(I + \Omega_{\Omega_{\psi_I(I)+\omega}})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + \omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)-$ $-(3,2,1)(4,2,1)(5,2,0)$	$\psi(I + \Omega_{\Omega_{\Omega_{\psi_I(I)+1}}})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(3,2,1)(4,2,1)(5,2,0)$	$\psi(I + \Omega_{\Omega_{\Omega_{\Omega_{\psi_I(I)+1}}})$ $\psi(M^2 + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot 2)$ $\psi(M^2 + \psi_M(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I \cdot 2 + \psi_I(I))$ $\psi(M^2 + \psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)(3,2,0)$	$\psi(I \cdot 2 + \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)(3,2,1)$	$\psi(I \cdot 2 + \Omega_{\psi_I(I)+\omega})$ $\psi(M^2 + \psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2 + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)-$ $-(3,2,1)(4,2,1)(5,2,0)$	$\psi(I \cdot 2 + \Omega_{\Omega_{\psi_I(I)+1}})$ $\psi(M^2 + \psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot 2 + \psi_I(I \cdot 2))$ $\psi(M^2 + \psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)(4,0,0)$	$\psi(I \cdot 2 + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(1))$ $\psi(M^2 + \psi_M(M^2) + \psi_{\psi_{\psi_M(M^2)}(M^2+\psi_M(M^2)+1)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I \cdot 2 + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I))$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+\psi_M(M^2)+1)}(M^2))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)$	$\psi(I \cdot 2 + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I + \Omega_{\psi_I(I)+1}))$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2)+1)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot 2 + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I \cdot 2))$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2)+1)}(M^2 + \psi_M(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)(4,0,0)$	$\psi(I \cdot 2 + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I \cdot 2 + 1))$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2)+1)}(M^2 + \psi_M(M^2) + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,0)$	$\psi(I \cdot 2 + \Omega_{\psi_I(I \cdot 2)+1})$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,0)(5,3,0)(6,4,0)$	$\psi(I \cdot 2 + \Omega_{\psi_I(I \cdot 2)+2})$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,1)$	$\psi(I \cdot 2 + \Omega_{\psi_I(I \cdot 2)+\omega})$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + \omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,0)(5,3,1)(6,3,1)$	$\psi(I \cdot 2 + \Omega_{\psi_I(I \cdot 2)+\omega^2})$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + \psi(2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,0)$	$\psi(I \cdot 2 + \Omega_{\Omega_{\psi_I(I \cdot 2)+1}})$ $\psi(M^2 + \psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(5,3,1)(6,3,1)(7,3,0)$	$\psi(I \cdot 2 + \Omega_{\Omega_{\Omega_{\psi_I(I \cdot 2)+1}}})$ $\psi(M^2 + \psi_M(M^2) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I \cdot 3)$ $\psi(M^2 + \psi_M(M^2) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(6,3,0)(7,4,1)-$ $-(8,4,1)(9,4,0)(8,0,0)$	$\psi(I \cdot 4)$ $\psi(M^2 + \psi_M(M^2) \cdot 3)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I \cdot \omega + \psi_I(I))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_{\psi_M(M^2)}(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,0)$	$\psi(I \cdot \omega + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1}))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot \omega + \psi_{\Omega_{\psi_I(I)+1}}(I \cdot 2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_M(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(6,0,0)$	$\psi(I \cdot \omega + \psi_{\Omega_{\psi_I(I)+1}}(I \cdot 3))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_M(M^2) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(I \cdot \omega + \psi_{\Omega_{\psi_I(I)+1}}(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2+M)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(3,2,0)$	$\psi(I \cdot \omega + \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_{\psi_M(M^2)}(M^2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot \omega + \psi_I(I \cdot 2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,0)(5,3,0)$	$\psi(I \cdot \omega + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I \cdot 2 + \Omega_{\psi_I(I \cdot 2)+1}))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+\psi_M(M^2)+1)}(M^2 + \psi_M(M^2)$ $+ \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(6,0,0)$	$\psi(I \cdot \omega + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I \cdot 3))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+\psi_M(M^2)+1)}(M^2 + \psi_M(M^2) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(6,3,1)$	$\psi(I \cdot \omega + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2+\psi_M(M^2)+1)}(M^2 + \psi_{\psi_M(M^2+M)}(1)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,0)(5,3,1)(6,3,1)-$ $-(7,3,0)(6,3,1)(5,3,0)$	$\psi(I \cdot \omega + \Omega_{\psi_I(I \cdot 2)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,0)(5,3,1)(6,3,1)(7,3,0)-$ $-(6,3,1)(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I \cdot \omega + \psi_I(I \cdot 3))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,0)(5,3,1)(6,3,1)(7,3,0)-$ $-(6,3,1)(5,3,1)(6,3,1)(7,3,0)(6,3,0)-$ $-(7,4,1)(8,4,1)(9,4,0)(8,4,1)(7,4,1)-$ $-(8,4,1)(9,4,0)(8,0,0)$	$\psi(I \cdot \omega + \psi_I(I \cdot 4))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) \cdot 3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I \cdot \omega + \psi_I(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I \cdot \omega + \psi_I(I \cdot \omega) \cdot 2)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1)) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(2,0,0)$	$\psi(I \cdot \omega + \psi_I(I \cdot \omega) \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1)+1)(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I \cdot \omega + \psi_{\Omega_{\psi_I(I \cdot \omega)+1}}(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1)+1)$ $(M^2 + \psi_{\psi_M(M^2+M)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(2,1,0)(3,2,0)$	$\psi(I \cdot \omega + \Omega_{\psi_I(I \cdot \omega)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(2,1,0)(3,2,1)$	$\psi(I \cdot \omega + \Omega_{\psi_I(I \cdot \omega)+\omega})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1) + \omega))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)$	$\psi(I \cdot \omega + \Omega_{\Omega_{\psi_I(I \cdot \omega)+1}})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1) + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot \omega + I)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_M(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot \omega + I)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_M(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(4,2,0)(5,3,0)$	$\psi(I \cdot \omega + I + \Omega_{\psi_I(I \cdot \omega + I)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_M(M^2) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_M(M^2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(2,1,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I \cdot \omega + I \cdot 2)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_M(M^2) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(I \cdot \omega \cdot 2)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,3,1)$	$\psi(I \cdot \omega \cdot 3)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(1) \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(2,1,1)$	$\psi(I \cdot \omega^2)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(2,1,1)(2,1,1)$	$\psi(I \cdot \omega^3)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(3))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)$	$\psi(I \cdot \Omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I \cdot \psi_I(I))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,1,0)(3,2,0)$	$\psi(I \cdot \psi_I(I) + \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)) +$ $\psi_{\psi_M(M^2)}(M^2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I \cdot \psi_I(I) + \psi_I(I \cdot 2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2)))$



BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)	$\psi(I \cdot \psi_I(I) + \psi_I(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I \cdot \psi_I(I) + \psi_I(I \cdot \psi_I(I)))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)- -(5,1,0)(4,2,0)(5,3,0)	$\psi(I \cdot \psi_I(I) + \Omega_{\psi_I(I \cdot \psi_I(I))+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)) +$ $\psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,0,0)	$\psi(I \cdot \psi_I(I) + I)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2))$ $+ \psi_M(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,3,1)	$\psi(I \cdot \psi_I(I) + I \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2))$ $+ \psi_{\psi_M(M^2+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,3,1)- -(7,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I \cdot \psi_I(I) \cdot 2)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,3,1)- -(7,1,0)(6,3,0)(7,4,1)- -(8,4,1)(9,4,0)(8,0,0)	$\psi(I \cdot \psi_I(I) \cdot 2 + I)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot$ $\psi_{\psi_M(M^2)}(M^2)) \cdot 2 + \psi_M(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,3,1)- -(7,1,0)(6,3,0)(7,4,1)(8,4,1)- -(9,4,0)(8,4,1)(9,0,0)	$\psi(I \cdot \psi_I(I) \cdot 3)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)) \cdot 3)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,1,0)(4,2,1)	$\psi(I \cdot \psi_I(I) \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)- -(5,1,0)(4,2,1)(5,1,0)	$\psi(I \cdot \psi_I(I) \cdot \Omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)$ $+ \psi_{\psi_M(M^2)}(1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,1,0)- -(4,2,1)(5,1,0)(4,2,1)	$\psi(I \cdot \psi_{\Omega_{\psi_I(I)+1}}(I+1))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)$ $+ \psi_{\psi_M(M^2)}(M^2) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,2,0)	$\psi(I \cdot \Omega_{\psi_I(I)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2 + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,2,0)- -(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I \cdot \psi_I(I \cdot 2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,2,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,0)(6,3,1)(7,2,0)(6,3,0)	$\psi(I \cdot \psi_I(I \cdot 2) + \Omega_{\psi_I(I \cdot 2)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2)))) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,2,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,0)(6,3,1)(7,3,0)	$\psi(I \cdot \Omega_{\psi_I(I \cdot 2)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,1)(5,2,0)- -(3,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,0)(6,3,1)(7,3,0)(5,3,1)- -(6,3,1)(7,3,0)(6,3,0)(7,4,1)(8,4,1)- -(9,4,0)(8,4,1)(9,3,0)(8,4,0)	$\psi(I \cdot \Omega_{\psi_I(I \cdot 3)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot$ $\psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) \cdot 2 + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(I \cdot \psi_I(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1))))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(2,1,1)	$\psi(I \cdot \psi_I(I \cdot \omega^2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)	$\psi(I \cdot \psi_I(I \cdot \Omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I \cdot \psi_I(I \cdot \psi_I(I)))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(I \cdot \psi_I(I \cdot \psi_I(I \cdot \omega)))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)	$\psi(I \cdot \psi_I(I \cdot \psi_I(I \cdot \Omega)))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M \cdot \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2 + \psi_I(I))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + \psi_{\psi_M(M^2)}(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(I^2 + \psi_I(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + \psi_{\psi_M(M^2)}$ $(M^2 + \psi_{\psi_M(M^2+M)}(1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2 + \psi_I(I^2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + \psi_{\psi_M(M^2)}$ $(M^2 + \psi_{\psi_M(M^2+M)}(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2 + \psi_I(I^2) \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + 1)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)(3,2,0)	$\psi(I^2 + \Omega_{\psi_I(I^2)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I^2 + I)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + \psi_M(M^2))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,0,0)	$\psi(I^2 + I \cdot 2)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + \psi_M(M^2) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,2,1)	$\psi(I^2 + I \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + \psi_{\psi_M(M^2+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,1,0)(1,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2 + I \cdot \psi_I(I))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,1,0)(1,1,1)- -(2,1,1)(3,1,0)(2,1,1)	$\psi(I^2 + I \cdot \psi_I(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2$ $+ \psi_{\psi_M(M^2+M)}(1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,1,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2 + I \cdot \psi_I(I^2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2$ $+ \psi_{\psi_M(M^2+M)}(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,1,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2 + I \cdot \psi_I(I^2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2$ $+ \psi_{\psi_M(M^2+M)}(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(4,2,1)(5,2,0)	$\psi(I^2 + I \cdot \Omega_{\psi_I(I^2)+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2$ $+ \psi_{\psi_M(M^2+M)}(M^2) + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(4,2,1)(5,2,0)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(I^2 + I \cdot \psi_I(I^2 + I))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2) + \psi_M(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(4,2,1)(5,2,0)(3,2,1)- -(4,2,1)(5,2,0)(4,2,1)	$\psi(I^2 + I \cdot \psi_I(I^2 + I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2) + \psi_{\psi_M(M^2+M)}(1))))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,2,0)(3,2,1)(4,2,1)- -(5,2,0)(4,2,1)(5,2,0)	$\psi(I^2 + I \cdot \psi_I(I^2 + I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2) +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2) + 1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(I^2 \cdot 2)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,2,0)(4,2,0)(5,3,1)(6,3,1)- -(7,3,0)(6,3,1)(7,3,0)(6,0,0)	$\psi(I^2 \cdot 3)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2) \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,1)	$\psi(I^2 \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)	$\psi(I^2 \cdot \Omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2)}(1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2 \cdot \psi_I(I))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2)}(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)- -(2,1,1)(3,1,0)(2,1,1)	$\psi(I^2 \cdot \psi_I(I \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I^2 \cdot \psi_I(I^2))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,1)	$\psi(I^2 \cdot \psi_I(I^2 \cdot \omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + 1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,1)(3,1,0)	$\psi(I^2 \cdot \psi_I(I^2 \cdot \Omega))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2)}(1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,1,1)(3,1,0)- -(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)	$\psi(I^2 \cdot \psi_I(I^2 \cdot \psi_I(I^2 \cdot \Omega)))$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2)}(1))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I^3)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I^3 \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^4)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,0,0)$	$\psi(I^\omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,0,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^{\omega+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(1) + \psi_M(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,0,0)(2,1,1)(3,1,0)(3,0,0)$	$\psi(I^{\omega \cdot 2})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,0,0)(3,0,0)$	$\psi(I^{\omega^2})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)$	$\psi(I^\Omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^{\psi_I(I)})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M)}(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^{\psi_I(I^2)})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(3,0,0)$	$\psi(I^{\psi_I(I^\omega)})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(3,1,0)$	$\psi(I^{\psi_I(I^\Omega)})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M\psi_{\psi_M(M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M))))))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^I)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)$	$\psi(I^I \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + 1))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I^{I+1})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2) + \psi_M(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^{I \cdot 2})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(3,1,0)-$ $-(2,1,1)(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^{I \cdot 3})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2) \cdot 3))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(3,1,0)(3,0,0)$	$\psi(I^{I \cdot \omega})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + 1)))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(3,1,0)(3,1,0)$	$\psi(I^{I \cdot \Omega})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^{I^2})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(3,1,0)(2,1,1)$	$\psi(I^{I^2 \cdot \omega})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2)) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(3,1,0)(3,0,0)$	$\psi(I^{I^2 \cdot \omega})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2) + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(3,1,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^{I^3})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2) \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)-$ $-(3,1,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(I^{I^4})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2) \cdot 3)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,0,0)$	$\psi(I^{I^\omega})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,1,0)$	$\psi(I^{I^\Omega})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M))))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,1,0)(2,0,0)$	$\psi(I^{I^I})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,1,0)(2,1,1)$	$\psi(I^{I^I} \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2)) + 1))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,1,0)(3,0,0)$	$\psi(I^{I^I} \cdot \omega)$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,1,0)(3,1,0)(2,0,0)$	$\psi(I^{I^{I+1}})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2) + \psi_M(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,1,0)(3,1,0)(4,0,0)$	$\psi(I^{I^{I+\omega}})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2) + \psi_{\psi_M(M^2+M)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,1,0)(3,1,0)(4,1,0)(2,0,0)$	$\psi(I^{I^{I \cdot 2}})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2) \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,1,0)(4,0,0)$	$\psi(I^{I^I \cdot \omega})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(I^{I^{I^2}})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,1,0)(5,0,0)$	$\psi(I^{I^{I^\omega}})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,1,0)(5,1,0)(2,0,0)$	$\psi(I^{I^{I^I}})$ $\psi(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{I+1})$ $\psi(M^2 + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{I+1})$ $\psi(M^2 + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_I(I))$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2))$



BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(1,1,1)(2,1,1)(3,1,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{I+1} + \psi_I(I^2))$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(1,1,1)(2,1,1)(3,1,0)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{I+1} + \psi_I(I^3))$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(1,1,1)(2,1,1)(3,1,0)(3,0,0)	$\psi(\Omega_{I+1} + \psi_I(I^\omega))$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(1,1,1)(2,1,1)(3,1,0)(3,1,0)(2,0,0)	$\psi(\Omega_{I+1} + \psi_I(I^I))$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(1,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I+1} + \psi_I(\Omega_{I+1}))$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,0,0)	$\psi(\Omega_{I+1} + \psi_{\Omega_{\psi_I(\Omega_{I+1})+1}}(1))$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 + M + 1)(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I+1} + \psi_{\Omega_{\psi_I(\Omega_{I+1})+1}}(\Omega_{I+1}))$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 + M + 1)(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,0)	$\psi(\Omega_{I+1} + \Omega_{\psi_I(\Omega_{I+1})+1})$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 + M + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,0)(4,3,0)	$\psi(\Omega_{I+1} + \Omega_{\psi_I(\Omega_{I+1})+2})$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 + M + 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)	$\psi(\Omega_{I+1} + \Omega_{\psi_I(\Omega_{I+1})+\omega})$ $\psi(M^2 + M + \psi_{\psi_M(M^2)}(M^2 + M + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{I+1} + I)$ $\psi(M^2 + M + \psi_M(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,0)- -(5,3,1)(6,3,1)(7,3,0)(6,0,0)	$\psi(\Omega_{I+1} + I \cdot 2)$ $\psi(M^2 + M + \psi_M(M^2) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)	$\psi(\Omega_{I+1} + I \cdot \omega)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{I+1} + I^2)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)- -(5,2,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{I+1} + I^3)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + \psi_M(M^2)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(5,0,0)$	$\psi(\Omega_{I+1} + I^\omega)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,0)(5,2,0)(4,0,0)$	$\psi(\Omega_{I+1} + I^I)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1}))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1}) + I)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M) + \psi_M(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,0)(8,4,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1}) \cdot 2)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + 1))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + 1) + \psi_{\Omega_{I+1}}(\Omega_{I+1}))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M + 1) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(6,3,0)(4,2,1)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + 1) \cdot 2)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M + 1) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(2,1,1)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + 2))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M + 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(2,1,1)(2,1,1)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + 3))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M + 3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \omega))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \Omega))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}$ $(M^2 + M + \psi_{\psi_M(M^2)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}$ $(M^2 + M + \psi_M(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(2,1,1)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I + 1))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}$ $(M^2 + M + \psi_M(M^2) + 1))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(2,1,1)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I + 1))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}$ $(M^2 + M + \psi_M(M^2) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I \cdot 2))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_M(M^2) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(3,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(1)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_{\psi_M(M^2+M)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(3,0,0)(3,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(2)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_{\psi_M(M^2+M)}(2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(I)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_{\psi_M(M^2+M)}(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(3,1,0)(2,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(I \cdot 2)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_{\psi_M(M^2+M)}(M^2) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(4,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(I \cdot \omega)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(4,0,0)-$ $-(2,1,1)(3,1,0)(4,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(I \cdot \omega \cdot 2)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1)) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(4,0,0)(3,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(I \cdot \omega + 1)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1) + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(4,0,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(I \cdot \omega + I)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1) + \psi_M(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(4,0,0)(3,1,0)(4,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(I \cdot \omega \cdot 2)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(1) \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(4,0,0)(4,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\psi_{\Omega_{I+1}}(2))))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(2))))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(4,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\psi_{\Omega_{I+1}}(I))))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1})))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_{\psi_M(M^2+M)}(M^2 + M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot 2)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_{\psi_M(M^2+M)}(M^2 + M) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(3,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + 1)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_{\psi_M(M^2+M)}(M^2 + M + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(3,1,0)(3,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I + 1)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2) + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I \cdot 2)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2) \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(3,1,0)(4,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I \cdot 2)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2) \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(3,1,0)(4,1,0)(2,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + I^2)))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} +$ $\psi_{\Omega_{I+1}}(\Omega_{I+1}))))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M))))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(4,0,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} +$ $\psi_{\Omega_{I+1}}(\Omega_{I+1} + 1))))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M + 1))))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(4,1,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} +$ $\psi_{\Omega_{I+1}}(\Omega_{I+1} + I))))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 +$ $M + \psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2))))))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1} +$ $\psi_{\Omega_{I+1}}(\Omega_{I+1} + \psi_{\Omega_{I+1}}(\Omega_{I+1}))))))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + M))))))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{I+1} \cdot 2)$ $\psi(M^2 + M + \psi_M(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(4,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{I+1} \cdot 2 + I)$ $\psi(M^2 + M + \psi_M(M^2 + M) + \psi_M(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(4,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{I+1} \cdot 2 + I)$ $\psi(M^2 + M + \psi_M(M^2 + M) + \psi_M(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(4,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{I+1} \cdot 2 + \psi_{\Omega_{I+1}}(\Omega_{I+1}))$ $\psi(M^2 + M + \psi_M(M^2 + M) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(4,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(6,3,0)(6,3,0)$	$\psi(\Omega_{I+1} \cdot 2 + \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot 2))$ $\psi(M^2 + M + \psi_M(M^2 + M) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2 + M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(4,2,0)(2,1,1)$	$\psi(\Omega_{I+1} \cdot 2 + \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot 2 + 1))$ $\psi(M^2 + M + \psi_M(M^2 + M) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2 + M) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(4,2,0)(3,0,0)$	$\psi(\Omega_{I+1} \cdot 2 + \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot 2 + \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot 2 + 1)))$ $\psi(M^2 + M + \psi_M(M^2 + M) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2 + M) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2 + M) + 1)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(4,2,0)(4,0,0)$	$\psi(\Omega_{I+1} \cdot 2 + \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot 2 +$ $\psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot 2 + \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot 2 + 1))))$ $\psi(M^2 + M + \psi_M(M^2 + M) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2 + M) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2 + M) +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_M(M^2 + M) + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{I+1} \cdot 3)$ $\psi(M^2 + M + \psi_M(M^2 + M) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(5,0,0)$	$\psi(\Omega_{I+1} \cdot \omega)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,1,0)(2,0,0)$	$\psi(\Omega_{I+1} \cdot I)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,1,0)(6,2,0)$	$\psi(\Omega_{I+1} \cdot \psi_{\Omega_{I+1}}(\Omega_{I+1}))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,1,0)(6,2,0)(7,0,0)$	$\psi(\Omega_{I+1} \cdot \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot \omega))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + M + \psi_{\psi_M(M^2+M)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)-$ $-(5,1,0)(6,2,0)(7,1,0)(8,2,0)$	$\psi(\Omega_{I+1} \cdot \psi_{\Omega_{I+1}}(\Omega_{I+1} \cdot \psi_{\Omega_{I+1}}(\Omega_{I+1})))$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(M^2 +$ $\psi_{\psi_M(M^2+M)}(M^2 + M +$ $\psi_{\psi_M(M^2+M)}(M^2 + \psi_{\psi_M(M^2+M)}(M^2 + M))))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(5,2,0)$	$\psi(\Omega_{I+1}^2)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,2,0)(5,0,0)$	$\psi(\Omega_{I+1}^2 \cdot \omega)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(M^2 + M + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,2,0)(5,2,0)$	$\psi(\Omega_{I+1}^3)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}$ $(M^2 + M + \psi_M(M^2 + M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,2,0)(6,0,0)$	$\psi(\Omega_{I+1}^\omega)$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}$ $(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,2,0)(6,2,0)$	$\psi(\Omega_{I+1}^{\Omega_{I+1}})$ $\psi(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}$ $(M^2 + M + \psi_{\psi_M(M^2+M \cdot 2)}(M^2 + M)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(5,3,0)$	$\psi(\Omega_{I+2})$ $\psi(M^2 + M \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,3,0)(4,2,0)$	$\psi(\Omega_{I+2} + \Omega_{I+1})$ $\psi(M^2 + M \cdot 2 + \psi_M(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,3,0)(4,2,0)(5,3,0)$	$\psi(\Omega_{I+2} + \psi_{\Omega_{I+2}}(\Omega_{I+2}))$ $\psi(M^2 + M \cdot 2 + \psi_{\psi_M(M^2+M \cdot 2)}(M^2 + M \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,3,0)(5,3,0)$	$\psi(\Omega_{I+2} \cdot 2)$ $\psi(M^2 + M \cdot 2 + \psi_M(M^2 + M \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,3,0)(6,4,0)$	$\psi(\Omega_{I+3})$ $\psi(M^2 + M \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,0)(5,3,0)(6,4,0)(7,5,0)$	$\psi(\Omega_{I+4})$ $\psi(M^2 + M \cdot 4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)$	$\psi(\Omega_{I+\omega})$ $\psi(M^2 + M + \psi_M(M^2 + M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(4,2,1)$	$\psi(\Omega_{I+\omega} \cdot 2)$ $\psi(M^2 + M \cdot \omega + \psi_M(M^2 + M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,0)$	$\psi(\Omega_{I+\omega} \cdot \Omega_{I+1})$ $\psi(M^2 + M \cdot \omega + \psi_{\psi_M(M^2+M \cdot \omega+M)}(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(\Omega_{I+\omega}^2)$ $\psi(M^2 + M \cdot \omega + \psi_{\psi_M(M^2+M \cdot \omega+M)}(M^2 + M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{I+\omega+1})$ $\psi(M^2 + M \cdot \omega + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,0)(6,3,0)(7,4,0)$	$\psi(\Omega_{I+\omega+2})$ $\psi(M^2 + M \cdot \omega + M \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,0)(6,3,1)$	$\psi(\Omega_{I+\omega \cdot 2})$ $\psi(M^2 + M \cdot \omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,0)(6,3,1)(7,3,0)(8,4,1)$	$\psi(\Omega_{I+\omega \cdot 3})$ $\psi(M^2 + M \cdot \omega \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)$	$\psi(\Omega_{I+\omega^2})$ $\psi(M^2 + M \cdot \psi(2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{I+\omega^3})$ $\psi(M^2 + M \cdot \psi(3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)$	$\psi(\Omega_{I+\Omega})$ $\psi(M^2 + M \cdot \psi_{\psi_M(M^2)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\Omega_{I \cdot 2})$ $\psi(M^2 + M \cdot \psi_M(M^2))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,1,0)(7,2,0)	$\psi(\Omega_{\psi_{\Omega_{I+1}}(\Omega_{I+1})})$ $\psi(M^2 + M \cdot \psi_{\psi_M(M^2+M)}(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,0)	$\psi(\Omega_{\Omega_{I+1}})$ $\psi(M^2 + M \cdot \psi_M(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(4,2,1)(5,2,1)(6,2,0)	$\psi(\Omega_{\Omega_{\Omega_{I+1}}})$ $\psi(M^2 + M \cdot \psi_M(M^2 + M \cdot \psi_M(M^2 + M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(I_2)$ $\psi(M^2 \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(I_2 + I)$ $\psi(M^2 \cdot 2 + \psi_M(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(6,3,0)	$\psi(I_2 + \psi_{\Omega_{I+1}}(\Omega_{I+1}))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(6,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(6,3,1)(7,3,1)(8,3,0)- -(7,0,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,0)(6,0,0)	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2) + I)$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2) + \psi_M(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(6,3,1)(7,3,1)(8,3,0)- -(7,0,0)(4,2,0)(5,3,1)(6,3,1)(7,3,0)- -(8,4,1)(9,4,1)(10,4,0)(9,0,0)	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2) \cdot 2)$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)(2,1,1)	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2 + 1))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2 + I))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 + \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2 + I))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 + \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2 + \psi_{\Omega_{I+1}}(I_2)))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot 2)))$



BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(3,0,0)$	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2 + \psi_{\Omega_{I+1}}(I_2 + 1)))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2 + \psi_{\Omega_{I+1}}(I_2 + \psi_{\Omega_{I+1}}(I_2))))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(4,0,0)$	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2 + \psi_{\Omega_{I+1}}(I_2 + \psi_{\Omega_{I+1}}(I_2 + 1))))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,0)(6,0,0)$	$\psi(I_2 + \psi_{\Omega_{I+1}}(I_2 + \psi_{\Omega_{I+1}}(I_2 +$ $\psi_{\Omega_{I+1}}(I_2 + \psi_{\Omega_{I+1}}(I_2))))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2 +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot 2 +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot 2 + \psi_{\psi_M(M^2+M)}(M^2 \cdot 2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(4,2,0)$	$\psi(I_2 + \Omega_{I+1})$ $\psi(M^2 \cdot 2 + \psi_M(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(4,2,1)$	$\psi(I_2 + \Omega_{I+\omega})$ $\psi(M^2 \cdot 2 + \psi_M(M^2 + M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_2 + \psi_{I_2}(I_2))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_2 + \psi_{\Omega_{\psi_{I_2}(I_2)+1}}(I_2))$ $\psi(M^2 \cdot 2 + \psi_{\psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2+1)}(M^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,0)(6,3,0)$	$\psi(I_2 + \Omega_{\psi_{I_2}(I_2)+1})$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,0)(6,3,1)$	$\psi(I_2 + \Omega_{\psi_{I_2}(I_2)+\omega})$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2 + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,0)(7,0,0)$	$\psi(I_2 \cdot 2)$ $\psi(M^2 \cdot 2 + \psi_M(M^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)$	$\psi(I_2 \cdot \omega)$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,1,0)(2,0,0)$	$\psi(I_2 \cdot I)$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)$	$\psi(I_2 \cdot \Omega_{I+1})$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 + M))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(4,2,1)$	$\psi(I_2 \cdot \Omega_{I+\omega})$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 + M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_2 \cdot \psi_{I_2}(I_2))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 +$ $M \cdot \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)$	$\psi(I_2 \cdot \psi_{I_2}(I_2 \cdot \omega))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 +$ $M \cdot \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)$	$\psi(I_2 \cdot \psi_{I_2}(I_2 \cdot \Omega_{I+1}))$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 + M \cdot$ $\psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 + M))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_2^2)$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,2,1)(6,2,0)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_2^3)$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot 2 + \psi_M(M^2 \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(6,2,0)(5,0,0)$	$\psi(I_2^{I_2})$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot 2 +$ $\psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(7,2,0)(5,0,0)$	$\psi(I_2^{I_2^2})$ $\psi(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot 2 +$ $\psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot 2 + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot 2))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{I_2+1})$ $\psi(M^2 \cdot 2 + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(7,3,1)$	$\psi(\Omega_{I_2+\omega})$ $\psi(M^2 \cdot 2 + M \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,0)$	$\psi(\Omega_{\Omega_{I_2+1}})$ $\psi(M^2 \cdot 2 + M \cdot \psi_M(M^2 \cdot 2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(7,3,1)-$ $-(8,3,1)(9,3,0)(8,0,0)$	$\psi(I_3)$ $\psi(M^2 \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,0)-$ $-(8,3,0)(9,4,1)(10,4,1)-$ $-(11,4,0)(10,0,0)$	$\psi(I_3 \cdot 2)$ $\psi(M^2 \cdot 3 + \psi_M(M^2 \cdot 3))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,1)- -(8,3,1)(9,3,0)(8,3,1)	$\psi(I_3 \cdot \omega)$ $\psi(M^2 \cdot 3 + \psi_{\psi_M(M^2 \cdot 3 + M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,1)- -(8,3,1)(9,3,0)(10,4,0)	$\psi(\Omega_{I_3+1})$ $\psi(M^2 \cdot 3 + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,0)- -(10,4,1)(11,4,1)(12,4,0)(11,0,0)	$\psi(I_4)$ $\psi(M^2 \cdot 4)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)	$\psi(I_\omega)$ $\psi(M^2 \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)	$\psi(I_\omega + \Omega_\omega)$ $\psi(M^2 \cdot \omega + \psi_M(M \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I_\omega + \psi_I(I))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I)+1}}(I + \Omega_{\psi_I(I)+1}))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2+1))$ $(M^2 + \psi_{\psi_M(M^2)}(M^2 + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I)+1}}(I \cdot 2))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,0)(6,0,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I)+1}}(I \cdot 3))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_M(M^2) \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,2,1)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I)+1}}(I \cdot \omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + \psi_{\psi_M(M^2+M)}(1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(6,3,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I)+1}}(\Omega_{I+1}))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(6,3,1)(7,3,1)(8,3,0)(7,0,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I)+1}}(I_2))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(6,3,1)(7,3,1)(8,3,0)(9,4,1)- -(10,4,1)(11,4,0)(10,0,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I)+1}}(I_3))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 \cdot 3))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I)+1}}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+1)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(3,2,0)	$\psi(I_\omega + \Omega_{\psi_I(I)+1})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(3,2,0)(4,3,1)- -(5,3,1)(6,3,1)(4,3,0)	$\psi(I_\omega + \Omega_{\psi_I(I)+2})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 + 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(3,2,1)	$\psi(I_\omega + \Omega_{\psi_I(I)+\omega})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I_\omega + \psi_I(I \cdot 2))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(3,2,1)(4,2,1)(5,2,0)(6,3,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I \cdot 2 + \Omega_{\psi_I(I \cdot 2)+1}))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+\psi_M(M^2)+1)}(M^2 + \psi_M(M^2) + \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(3,2,1)(4,2,1)(5,2,0)(6,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I \cdot 3))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+\psi_M(M^2)+1)}(M^2 + \psi_M(M^2) \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(3,2,1)(4,2,1)(5,2,0)- -(6,3,1)(7,3,1)(8,3,1)	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I \cdot 2)+1}}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2+\psi_M(M^2)+1)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(3,2,1)(4,2,1)(5,2,0)(6,3,1)- -(7,3,1)(8,3,1)(6,3,0)	$\psi(I_\omega + \Omega_{\psi_I(I \cdot 2)+1})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(3,2,1)(4,2,1)(5,2,0)(6,3,1)- -(7,3,1)(8,3,1)(6,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(I_\omega + \psi_I(I \cdot 3))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 + \psi_M(M^2) \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(I_\omega + \psi_I(I \cdot \omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 + \psi_{\psi_M(M^2+M)}(1)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(I_\omega + \psi_I(\Omega_{I+1}))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_\omega + \psi_I(I_2))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,0)(7,3,0)$	$\psi(I_\omega + \psi_I(\Omega_{I_2+1}))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 \cdot 2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,0)(8,0,0)$	$\psi(I_\omega + \psi_I(I_3))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 \cdot 3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_\omega + \psi_I(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_\omega + \psi_I(I_\omega) \cdot 2)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 \cdot \omega) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(2,1,0)$	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I_\omega)+1}}(\Omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2 \cdot \omega + 1)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I_\omega)+1}}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_{\psi_M(M^2)}(M^2 \cdot \omega + 1)}(M^2 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(2,1,0)(3,2,0)$	$\psi(I_\omega + \Omega_{\psi_I(I_\omega)+1})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2)}(M^2 \cdot \omega + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_\omega + I)$ $\psi(M^2 \cdot \omega + \psi_M(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I_\omega + I \cdot 2)$ $\psi(M^2 \cdot \omega + \psi_M(M^2) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(I_\omega + I \cdot \omega)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)$	$\psi(I_\omega + \psi_{\Omega_{I+1}}(\Omega_{I+1}))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 + M))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(3,2,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + \Omega_{\psi_I(I_\omega)+1})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega))$ $+ \psi_{\psi_M(M^2)}(M^2 \cdot \omega + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + \psi_I(I_\omega + I))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega) +$ $\psi_{\psi_M(M^2)}(M^2 \cdot \omega + \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(3,2,1)- -(4,2,1)(5,2,0)(6,3,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + \psi_I(I_\omega + \psi_{\Omega_{I+1}}(\Omega_{I+1})))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega) +$ $\psi_{\psi_M(M^2)}(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 + M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(3,2,1)- -(4,2,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + \psi_I(I_\omega + \psi_{\Omega_{I+1}}(I_\omega)))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega) +$ $\psi_{\psi_M(M^2)}(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(3,2,1)- -(4,2,1)(5,2,0)(6,3,1)(7,3,1)- -(8,3,1)(4,2,0)(5,3,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + \Omega_{\psi_I(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))+1})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega))$ $+ \psi_{\psi_M(M^2)}(M^2 \cdot \omega +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(3,2,1)- -(4,2,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(4,2,0)(5,3,1)(6,3,1)(7,3,0)(6,0,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) + I)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega) + \psi_M(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(2,1,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + 1))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + I))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(\Omega_{I+1})))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega +$ $\psi_{\psi_M(M^2+M)}(M^2 + M)))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega)))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega$ $+ \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega \cdot 2)))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot \omega) \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(3,0,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + 1)))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(3,1,0)(4,2,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(\Omega_{I+1}))))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}$ $(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 + M))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}$ $(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(4,0,0)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + 1))))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}$ $(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + 1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,1,0)(5,2,1)(6,2,1)(7,2,1)	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega +$ $\psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}$ $(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega +$ $\psi_{\psi_M(M^2+M)}(M^2 \cdot \omega + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(4,2,0)	$\psi(I_\omega + \Omega_{I+1})$ $\psi(M^2 \cdot \omega + \psi_M(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,0)(5,3,1)(6,3,1)(7,3,1)(5,3,0)	$\psi(I_\omega + \Omega_{I+2})$ $\psi(M^2 \cdot \omega + \psi_M(M^2 + M \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(4,2,1)	$\psi(I_\omega + \Omega_{I+\omega})$ $\psi(M^2 \cdot \omega + \psi_M(M^2 + M \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(I_\omega + \psi_{I_2}(I_2))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,0)	$\psi(I_\omega + \psi_{I_2}(\Omega_{I_2+1}))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)- -(7,3,1)(8,3,1)(9,3,1)	$\psi(I_\omega + \psi_{I_2}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(5,2,0)(6,3,0)	$\psi(I_\omega + \Omega_{\psi_{I_2}(I_\omega)+1})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot \omega + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(5,2,0)(6,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(I_\omega + I_2)$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)	$\psi(I_\omega + \psi_{\Omega_{I_2+1}}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(6,3,1)(7,3,1)(8,3,0)(7,0,0)	$\psi(I_\omega + \psi_{\Omega_{I_2+1}}(I_\omega) + \psi_{I_2}(I_\omega + I_2))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot \omega) +$ $\psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot \omega + \psi_M(M^2 \cdot 2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(6,3,1)(7,3,1)(8,3,0)(9,4,1)(10,4,1)- -(11,4,1)(7,3,0)(8,4,1)- -(9,4,1)(10,4,0)(9,0,0)	$\psi(I_\omega + \psi_{\Omega_{I_2+1}}(I_\omega) + I_2)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot \omega) + \psi_M(M^2 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(6,3,1)(7,3,1)(8,3,0)(9,4,1)(10,4,1)- -(11,4,1)(7,3,0)(8,4,1)(9,4,1)(10,4,0)- -(11,5,1)(12,5,1)(13,5,1)	$\psi(I_\omega + \psi_{\Omega_{I_2+1}}(I_\omega) \cdot 2)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2+M)}(M^2 \cdot \omega) \cdot 2)$



BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)- -(8,3,1)(9,3,1)(5,2,1)	$\psi(I_\omega + \psi_{\Omega_{I_2+1}}(I_\omega + 1))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 2 + M)}(M^2 \cdot \omega + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)- -(8,3,1)(9,3,1)(7,3,0)	$\psi(I_\omega + \Omega_{I_2+1})$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot 2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(7,3,1)(8,3,1)(9,3,0)(10,4,1)- -(11,4,1)(12,4,1)	$\psi(I_\omega + \psi_{I_3}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot 3)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(7,3,1)(8,3,1)(9,3,0)(10,4,1)- -(11,4,1)(12,4,1)(10,4,0)	$\psi(I_\omega + \Omega_{I_3+1})$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot 3 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)	$\psi(I_\omega \cdot 2)$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,1)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)- -(4,2,1)(5,2,1)(6,2,1)	$\psi(I_\omega \cdot 2 + \psi_I(I_\omega \cdot 2))$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot \omega) +$ $\psi_{\psi_M(M^2)}(M^2 \cdot \omega + \psi_M(M^2 \cdot \omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,1)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(4,2,1)- -(5,2,1)(6,2,1)(4,2,0)	$\psi(I_\omega \cdot 2 + \Omega_{I+1})$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot \omega) + \psi_M(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,1)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(4,2,1)(5,2,1)- -(6,2,1)(4,2,1)(5,2,1)(6,2,0)(7,3,1)- -(8,3,1)(9,3,1)(7,3,1)(8,3,1)(9,3,1)	$\psi(I_\omega \cdot 2 + \psi_{I_2}(I_\omega \cdot 2))$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot \omega) +$ $\psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot \omega + \psi_M(M^2 \cdot \omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)- -(2,1,1)(3,1,1)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(4,2,1)(5,2,1)- -(6,2,1)(4,2,1)(5,2,1)(6,2,0)(7,3,1)- -(8,3,1)(9,3,1)(7,3,1)- -(8,3,1)(9,3,1)(7,3,0)	$\psi(I_\omega \cdot 2 + \Omega_{I_2+1})$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot \omega) + \psi_M(M^2 \cdot 2 + M))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1)-$ $-(2,1,1)(3,1,1)(1,1,1)(2,1,1)(3,1,1)$	$\psi(I_\omega \cdot 3)$ $\psi(M^2 \cdot \omega + \psi_M(M^2 \cdot \omega) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,0,0)$	$\psi(I_\omega \cdot \omega)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)$	$\psi(I_\omega \cdot \Omega)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I_\omega \cdot \psi_I(I))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M \cdot \psi_{\psi_M(M^2)}(M^2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_\omega \cdot \psi_I(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M \cdot \psi_{\psi_M(M^2)}(M^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(5,1,0)(2,0,0)$	$\psi(I_\omega \cdot I)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,1,0)(6,2,1)(7,2,1)(8,2,1)$	$\psi(I_\omega \cdot \psi_{\Omega_{I+1}}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 + \psi_{\psi_M(M^2 + M)}(M^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,1,0)(6,2,1)(7,2,1)(8,2,1)-$ $-(7,1,0)(8,2,1)(9,2,1)(10,2,1)$	$\psi(I_\omega \cdot \psi_{\Omega_{I+1}}(I_\omega \cdot \psi_{\Omega_{I+1}}(I_\omega)))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 + \psi_{\psi_M(M^2 + M)}(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 + \psi_{\psi_M(M^2 + M)}(M^2 \cdot \omega)))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(5,2,0)$	$\psi(I_\omega \cdot \Omega_{I+1})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,2,0)(4,2,1)(5,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,1)$	$\psi(I_\omega \cdot \psi_{I_2}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 + M \cdot \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,2,0)(4,2,1)(5,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,1)(8,2,0)(5,0,0)$	$\psi(I_\omega \cdot I_2)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,2,0)(4,2,1)(5,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,1)(8,3,0)$	$\psi(I_\omega \cdot \Omega_{I_2+1})$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 \cdot 2 + M))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,2,0)(4,2,1)(5,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,1)(8,3,0)(7,3,1)-$ $-(8,3,1)(9,3,0)(10,4,1)-$ $-(11,4,1)(12,4,1)$	$\psi(I_\omega \cdot \psi_{I_3}(I_\omega))$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 \cdot 2 +$ $M \cdot \psi_{\psi_M(M^2 \cdot 3)}(M^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,0)(1,1,1)(2,1,1)(3,1,1)$	$\psi(I_\omega^2)$ $\psi(M^2 \cdot \omega + \psi_{\psi_M(M^2 \cdot \omega + M)}(M^2 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,0)(3,2,0)$	$\psi(\Omega_{I_\omega+1})$ $\psi(M^2 \cdot \omega + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_{\omega+1})$ $\psi(M^2 \cdot \omega + M^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I_{\omega+1} \cdot 2)$ $\psi(M^2 \cdot \omega + M^2 + \psi_M(M^2 \cdot \omega + M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(I_{\omega+1} \cdot \omega)$ $\psi(M^2 \cdot \omega + M^2 + \psi_{\psi_M(M^2 \cdot \omega + M^2 + M)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{I_{\omega+1}})$ $\psi(M^2 \cdot \omega + M^2 + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,0)(7,0,0)$	$\psi(I_{\omega+2})$ $\psi(M^2 \cdot \omega + M^2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(I_{\omega \cdot 2})$ $\psi(M^2 \cdot \omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)(4,2,0)(5,3,0)$	$\psi(\Omega_{I_{\omega \cdot 2}+1})$ $\psi(M^2 \cdot \omega \cdot 2 + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I_{\omega \cdot 2+1})$ $\psi(M^2 \cdot \omega \cdot 2 + M \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,1)$	$\psi(I_{\omega \cdot 3})$ $\psi(M^2 \cdot \omega \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)$	$\psi(I_{\psi(2)})$ $\psi(M^2 \cdot \psi(2))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(2,1,1)$	$\psi(I_{\psi(3)})$ $\psi(M^2 \cdot \psi(3))$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)$	$\psi(I_\Omega)$ $\psi(M^2 \cdot \psi_M(M))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,0)	$\psi(I_\Omega + \Omega)$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)- -(4,2,1)(3,2,1)(4,1,0)(2,2,0)	$\psi(I_\Omega + \Omega_2)$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)- -(4,2,1)(3,2,1)(4,1,0)(2,2,1)	$\psi(I_\Omega + \Omega_\omega)$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,1,0)	$\psi(I_\Omega + \Omega_\Omega)$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M \cdot \psi_M(M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,0)	$\psi(I_\Omega + \Omega_{\Omega_2})$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M \cdot \psi_M(M \cdot 2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)- -(3,2,1)(4,2,0)(3,0,0)	$\psi(I_\Omega + \psi_I(I))$ $\psi(M^2 \cdot \psi_M(M) + \psi_{\psi_M(M^2)}(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)	$\psi(I_\Omega + \psi_I(I_\omega))$ $\psi(M^2 \cdot \psi_M(M) + \psi_{\psi_M(M^2)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)(6,3,1)(7,1,0)	$\psi(I_\Omega + \psi_I(I_\Omega))$ $\psi(M^2 \cdot \psi_M(M) + \psi_{\psi_M(M^2)}(M^2 \cdot \psi_M(M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)(6,3,1)(7,1,0)- -(3,2,0)(4,3,1)(5,3,1)(6,3,0)(5,0,0)	$\psi(I_\Omega + I)$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)(6,3,1)(7,1,0)- -(3,2,0)(4,3,1)(5,3,1)(6,3,0)(7,4,1)- -(8,4,1)(9,4,1)(8,4,1)(9,1,0)	$\psi(I_\Omega + \psi_{\Omega_{I+1}}(I_\Omega))$ $\psi(M^2 \cdot \psi_M(M) + \psi_{\psi_M(M^2+M)}(M^2 \cdot \psi_M(M)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,1)-$ $-(6,3,1)(7,1,0)(3,2,1)$	$\psi(I_\Omega + \psi_{\Omega_{I+1}}(I_\Omega + 1))$ $\psi(M^2 \cdot \psi_M(M) + \psi_{\psi_M(M^2+M)}(M^2 \cdot \psi_M(M) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,1)-$ $-(6,3,1)(7,1,0)(5,3,0)$	$\psi(I_\Omega + \Omega_{I+1})$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,1,0)(2,2,1)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,1)(6,3,1)-$ $-(7,1,0)(5,3,1)(6,3,1)(7,3,0)(6,0,0)$	$\psi(I_\Omega + \psi_{I_2}(I_2))$ $\psi(M^2 \cdot \psi_M(M) + \psi_{\psi_M(M^2 \cdot 2)}(M^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,0)-$ $-(5,3,1)(6,3,1)(7,3,1)(6,3,1)(7,1,0)-$ $-(5,3,1)(6,3,1)(7,3,0)(8,4,1)(9,4,1)-$ $-(10,4,1)(9,4,1)(10,1,0)(8,4,0)$	$\psi(I_\Omega + \Omega_{I_2+1})$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2 \cdot 2 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,1)$	$\psi(I_\Omega + I_\omega)$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,0)(4,3,1)(5,3,1)(6,3,1)(5,3,1)-$ $-(6,1,0)(4,3,0)$	$\psi(I_\Omega + \Omega_{I_\omega+1})$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2 \cdot \omega + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,0)(4,3,1)(5,3,1)(6,3,1)(5,3,1)-$ $-(6,1,0)(4,3,1)(5,3,1)(6,3,0)(5,0,0)$	$\psi(I_\Omega + I_{\omega+1})$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2 \cdot \omega + M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,0)(4,3,1)(5,3,1)(6,3,1)(5,3,1)-$ $-(6,1,0)(4,3,1)(5,3,1)(6,3,1)$	$\psi(I_\Omega + I_{\omega \cdot 2})$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2 \cdot \omega \cdot 2))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)- -(3,2,1)(4,2,1)(3,2,1)	$\psi(I_\Omega + I_{\psi(2)})$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2 \cdot \psi(2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(2,2,1)(3,2,1)- -(4,2,1)(3,2,1)(4,1,0)	$\psi(I_\Omega \cdot 2)$ $\psi(M^2 \cdot \psi_M(M) + \psi_M(M^2 \cdot \psi_M(M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(3,2,0)(4,3,0)	$\psi(\Omega_{I_\Omega+1})$ $\psi(M^2 \cdot \psi_M(M) + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(3,2,0)(4,3,1)- -(5,3,1)(6,3,0)(5,0,0)	$\psi(I_{\Omega+1})$ $\psi(M^2 \cdot \psi_M(M) + M^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(3,2,0)- -(4,3,1)(5,3,1)(6,3,1)	$\psi(I_{\Omega+\omega})$ $\psi(M^2 \cdot \psi_M(M) + M^2 \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(3,2,0)(4,3,1)(5,3,1)- -(6,3,1)(5,3,1)(6,1,0)	$\psi(I_{\Omega \cdot 2})$ $\psi(M^2 \cdot \psi_M(M) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(3,2,0)(4,3,1)(5,3,1)- -(6,3,1)(5,3,1)(6,1,0)(5,3,0)(6,4,1)- -(7,4,1)(8,4,1)(7,4,1)(8,1,0)	$\psi(I_{\Omega \cdot 3})$ $\psi(M^2 \cdot \psi_M(M) \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)- -(4,2,1)(3,2,1)(4,1,0)(3,2,1)	$\psi(I_{\Omega \cdot \omega})$ $\psi(M^2 \cdot \psi_{\psi_M(M \cdot 2)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(3,2,1)(4,1,0)	$\psi(I_{\Omega^2})$ $\psi(M^2 \cdot \psi_{\psi_M(M \cdot 2)}(M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)- -(3,2,1)(4,1,0)(5,2,0)	$\psi(I_{\psi_{\Omega_2}(\Omega_2)})$ $\psi(M^2 \cdot \psi_{\psi_M(M \cdot 2)}(M \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,0)(2,2,1)(3,2,1)- -(4,2,1)(3,2,1)(4,2,0)	$\psi(I_{\Omega_2})$ $\psi(M^2 \cdot \psi_M(M \cdot 2))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,2,0)(2,2,0)(3,3,1)(4,3,1)-$ $-(5,3,1)(4,3,1)(5,2,0)(3,3,1)(4,3,1)-$ $-(5,3,1)(4,3,1)(5,2,0)$	$\psi(I_{\Omega_2} \cdot 2)$ $\psi(M^2 \cdot \psi_M(M \cdot 2) + \psi_M(M^2 \cdot \psi_M(M \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,2,0)(2,2,0)(3,3,1)(4,3,1)-$ $-(5,3,1)(4,3,1)(5,2,0)(4,3,0)(5,4,1)-$ $-(6,4,1)(7,4,1)$	$\psi(I_{\Omega_2+\omega})$ $\psi(M^2 \cdot \psi_M(M \cdot 2) + M^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,2,0)(2,2,0)(3,3,1)(4,3,1)-$ $-(5,3,1)(4,3,1)(5,2,0)(4,3,0)(5,4,1)-$ $-(6,4,1)(7,4,1)(6,4,1)(7,2,0)$	$\psi(I_{\Omega_2 \cdot 2})$ $\psi(M^2 \cdot \psi_M(M \cdot 2) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,2,0)(2,2,0)(3,3,1)(4,3,1)-$ $-(5,3,1)(4,3,1)(5,2,0)(4,3,1)$	$\psi(I_{\Omega_2 \cdot \omega})$ $\psi(M^2 \cdot \psi_{\psi_M(M \cdot 3)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1)-$ $-(3,2,1)(4,2,0)(2,2,0)(3,3,1)(4,3,1)-$ $-(5,3,1)(4,3,1)(5,3,0)$	$\psi(I_{\Omega_3})$ $\psi(M^2 \cdot \psi_M(M \cdot 3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)$	$\psi(I_{\Omega_\omega})$ $\psi(M^2 \cdot \psi_M(M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,1,0)(3,2,0)$	$\psi(I_{\Omega_\omega} + \Omega_{\omega+1})$ $\psi(M^2 \cdot \psi_M(M \cdot \omega) + \psi_M(M \cdot \omega + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,1,0)(1,1,1)$	$\psi(I_{\Omega_\omega} \cdot 2)$ $\psi(M^2 \cdot \psi_M(M \cdot \omega) + \psi_M(M^2 \cdot \psi_M(M \cdot \omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,1,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,1)(6,3,1)(7,1,0)(1,1,1)$	$\psi(I_{\Omega_\omega \cdot 2})$ $\psi(M^2 \cdot \psi_M(M \cdot \omega) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(1,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,1,0)(4,2,1)$	$\psi(I_{\Omega_\omega \cdot \omega})$ $\psi(M^2 \cdot \psi_{\psi_M(M \cdot \omega + M)}(1))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)	$\psi(I_{\Omega_{\omega+1}})$ $\psi(M^2 \cdot \psi_M(M \cdot \omega + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(3,2,0)(4,3,1)- -(5,3,1)(6,3,1)(5,3,1)(6,3,0)	$\psi(I_{\Omega_{\omega+2}})$ $\psi(M^2 \cdot \psi_M(M \cdot \omega + M \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(3,2,1)	$\psi(I_{\Omega_{\omega \cdot 2}})$ $\psi(M^2 \cdot \psi_M(M \cdot \omega \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(3,2,1)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)(6,3,1)(7,3,0)	$\psi(I_{\Omega_{\omega \cdot 2+1}})$ $\psi(M^2 \cdot \psi_M(M \cdot \omega \cdot 2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(3,2,1)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)- -(6,3,1)(7,3,0)(5,3,1)	$\psi(I_{\Omega_{\omega \cdot 3}})$ $\psi(M^2 \cdot \psi_M(M \cdot \omega \cdot 3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)	$\psi(I_{\Omega_{\psi(2)}})$ $\psi(M^2 \cdot \psi_M(M \cdot \psi(2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I_{\psi_I(I)})$ $\psi(M^2 \cdot \psi_{\psi_M(M^2)}(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)	$\psi(I_{\psi_I(I_\omega)})$ $\psi(M^2 \cdot \psi_{\psi_M(M^2)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)	$\psi(I_{\psi_I(I_\Omega)})$ $\psi(M^2 \cdot \psi_{\psi_M(M^2)}(M^2 \cdot \psi_M(M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,0,0)	$\psi(I_I)$ $\psi(M^2 \cdot \psi_M(M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I_I + I)$ $\psi(M^2 \cdot \psi_M(M^2) + \psi_M(M^2))$



BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)(6,3,1)(7,3,1)- -(8,3,0)(7,0,0)	$\psi(I_I + \psi_{\Omega_{I+1}}(I_2))$ $\psi(M^2 \cdot \psi_M(M^2) + \psi_{\psi_M(M^2+M)}(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)	$\psi(I_I + \psi_{\Omega_{I+1}}(I_\omega))$ $\psi(M^2 \cdot \psi_M(M^2) + \psi_{\psi_M(M^2+M)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)(4,2,1)- -(5,1,0)(2,0,0)	$\psi(I_I + \psi_{\Omega_{I+1}}(I_I))$ $\psi(M^2 \cdot \psi_M(M^2) + \psi_{\psi_M(M^2+M)}(M^2 \cdot \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,1,1)	$\psi(I_I + \psi_{\Omega_{I+1}}(I_I + 1))$ $\psi(M^2 \cdot \psi_M(M^2) + \psi_{\psi_M(M^2+M)}(M^2 \cdot \psi_M(M^2) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(4,2,0)	$\psi(I_I + \Omega_{I+1})$ $\psi(M^2 \cdot \psi_M(M^2) + \psi_M(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,0,0)	$\psi(I_I \cdot 2)$ $\psi(M^2 \cdot \psi_M(M^2) + \psi_M(M^2 \cdot \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(5,2,0)- -(6,3,1)(7,3,1)(8,3,0)(7,0,0)	$\psi(I_{I+1})$ $\psi(M^2 \cdot \psi_M(M^2) + M^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(5,2,0)- -(6,3,1)(7,3,1)(8,3,1)- -(7,3,1)(8,1,0)(2,0,0)	$\psi(I_{I \cdot 2})$ $\psi(M^2 \cdot \psi_M(M^2) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(5,2,1)	$\psi(I_{I \cdot \omega})$ $\psi(M^2 \cdot \psi_M(M^2) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(7,2,0)	$\psi(I_{\psi_{\Omega_{I+1}}(\Omega_{I+1})})$ $\psi(M^2 \cdot \psi_{\psi_M(M^2+M)}(M^2 + M))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,2,0)	$\psi(I_{\Omega_{I+1}})$ $\psi(M^2 \cdot \psi_M(M^2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,2,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(8,3,1)(9,2,0)(5,0,0)	$\psi(I_{I_2})$ $\psi(M^2 \cdot \psi_M(M^2 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,2,0)(4,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(8,3,1)(9,3,0)	$\psi(I_{\Omega_{I_2+1}})$ $\psi(M^2 \cdot \psi_M(M^2 \cdot 2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,1)	$\psi(I_{I_\omega})$ $\psi(M^2 \cdot \psi_M(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)	$\psi(I_{I_\Omega})$ $\psi(M^2 \cdot \psi_M(M^2 \cdot \psi_M(M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,2,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,0,0)	$\psi(I_{I_I})$ $\psi(M^2 \cdot \psi_M(M^2 \cdot \psi_M(M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,2,0)(4,2,1)- -(5,2,1)(6,2,1)(5,2,1)(6,2,0)	$\psi(I_{\Omega_{I+1}})$ $\psi(M^2 \cdot \psi_M(M^2 \cdot \psi_M(M^2 + M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,1)	$\psi(I_{I_\omega})$ $\psi(M^2 \cdot \psi_M(M^2 \cdot \psi_M(M^2 \cdot \omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)	$\psi(I_{I_\Omega})$ $\psi(M^2 \cdot \psi_M(M^2 \cdot \psi_M(M^2 \cdot \psi_M(M))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1,0))$ $\psi(M^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,0)(4,3,0)	$\psi(I(1,0) + \Omega_{\psi_{I(1,0)}(I(1,0))+2})$ $\psi(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M \cdot 2))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)$	$\psi(I(1,0) + \Omega_{\psi_{I(1,0)}(I(1,0))+\omega})$ $\psi(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+1})$ $\psi(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+\omega})$ $\psi(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,1,0)(2,0,0)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0)) \cdot 2})$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 + \psi_{\psi_M(M^3)}(M^3)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,1,0)(4,2,1)(5,1,0)(2,0,0)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0)) \cdot 3})$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 + \psi_{\psi_M(M^3)}(M^3) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,1,0)(5,0,0)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0)) \cdot \omega})$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)$	$\psi(I(1,0) + I_{\Omega_{\psi_{I(1,0)}(I(1,0))+1}})$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+1} (I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+1}))$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) +$ $M \cdot \psi_{\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2)}(M^3 +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(6,3,0)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+1} (I(1,0) + \Omega_{I_{\psi_{I(1,0)}(I(1,0))+1}}))$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) +$ $M \cdot \psi_{\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2)}(M^3 +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2 + M))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,1)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+1} (I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+\omega}))$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) +$ $M \cdot \psi_{\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2)}(M^3 +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2 \cdot \omega))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,1)(7,3,1)(8,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+1} (I(1,0) + I_{\psi_{I(1,0)}(I(1,0)) \cdot 2}))$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) +$ $M \cdot \psi_{\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2)}(M^3 +$ $\psi_{\psi_M(M^3)}(M^3 + \psi_{\psi_M(M^3)}(M^3))))))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,0)- -(6,3,1)(7,3,1)(8,3,1)(7,3,1)(8,2,0)	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+1}(I(1,0)+I_{\Omega_{\psi_{I(1,0)}(I(1,0))+1}}))$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) +$ $M \cdot \psi_{\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2)}(M^3 +$ $\psi_{\psi_M(M^3)}(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,0)- -(6,3,1)(7,3,1)(8,3,1)- -(7,3,1)(8,2,0)(4,0,0)	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+1})$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,0)- -(6,3,1)(7,3,1)(8,3,1)(7,3,1)(8,3,0)	$\psi(I(1,0) + I_{\Omega_{\psi_{I(1,0)}(I(1,0))+1+1}})$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2 + M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,1)	$\psi(I(1,0) + I_{\psi_{I(1,0)}(I(1,0))+\omega})$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M^2 \cdot \omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)	$\psi(I(1,0) + I_{\Omega_{\psi_{I(1,0)}(I(1,0))+1}})$ $\psi(M^3 + \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3)}(M^3 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3) + M))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1,0) \cdot 2)$ $\psi(M^3 + \psi_M(M^3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,0)	$\psi(I(1,0) \cdot 2 + \Omega_{\psi_{I(1,0)}(I(1,0) \cdot 2)+1})$ $\psi(M^3 + \psi_M(M^3) +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^3)) + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,0)(6,0,0)	$\psi(I(1,0) \cdot 2 + I_{\psi_{I(1,0)}(I(1,0) \cdot 2)+1})$ $\psi(M^3 + \psi_M(M^3) +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^3)) + M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)	$\psi(I(1,0) \cdot 2 + I_{\psi_{I(1,0)}(I(1,0) \cdot 2)+\omega})$ $\psi(M^3 + \psi_M(M^3) +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^3)) + M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,2,0)(5,3,1)(6,3,1)- -(7,3,1)(6,3,1)(7,3,0)	$\psi(I(1,0) \cdot 2 + I_{\Omega_{\psi_{I(1,0)}(I(1,0) \cdot 2)+1}})$ $\psi(M^3 + \psi_M(M^3) + \psi_{\psi_M(M^3)}(M^3 +$ $\psi_M(M^3) + \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $(M^3 + \psi_M(M^3)) + M)))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,2,0)(5,3,1)(6,3,1)- -(7,3,1)(6,3,1)(7,3,0)(6,0,0)	$\psi(I(1,0) \cdot 3)$ $\psi(M^3 + \psi_M(M^3) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,2,0)(5,3,1)(6,3,1)- -(7,3,1)(6,3,1)(7,3,0)(6,3,0)(7,4,1)- -(8,4,1)(9,4,1)(8,4,1)(9,4,0)(8,0,0)	$\psi(I(1,0) \cdot 4)$ $\psi(M^3 + \psi_M(M^3) \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)	$\psi(I(1,0) \cdot \omega)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1,0) \cdot \omega + I(1,0))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(1) + \psi_M(M^3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,1)(6,3,1)(7,3,0)(6,0,0)	$\psi(I(1,0) \cdot \omega + I(1,0) \cdot 2)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(1) + \psi_M(M^3) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,2,1)	$\psi(I(1,0) \cdot \omega \cdot 2)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(1) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(2,1,1)	$\psi(I(1,0) \cdot \psi(2))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)	$\psi(I(1,0) \cdot \Omega)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)- -(1,1,1)(2,1,1)(3,1,1)	$\psi(I(1,0) \cdot I_\omega)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1,0) \cdot \psi_{I(1,0)}(I(1,0)))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(I(1,0) \cdot \psi_{I(1,0)}(I(1,0) \cdot \omega))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + \psi_{\psi_M(M^3+M)}(1))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,1)(3,1,0)	$\psi(I(1,0) \cdot \psi_{I(1,0)}(I(1,0) \cdot \Omega))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + \psi_{\psi_M(M^3+M)}(M))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1,0)^2)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,0)$	$\psi(I(1,0)^2 + \Omega_{\psi_{I(1,0)}(I(1,0)^2)+1})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)) + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1,0)^2 + I_{\psi_{I(1,0)}(I(1,0)^2)+1})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)) + M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(I(1,0)^2 + I_{\psi_{I(1,0)}(I(1,0)^2)+\omega})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)) + M^2 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)$	$\psi(I(1,0)^2 + I_{\Omega_{\psi_{I(1,0)}(I(1,0)^2)+1}})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_{\psi_M(M^3)}(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)) + M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1,0)^2 + I(1,0))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) + \psi_M(M^3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(I(1,0)^2 + I(1,0) \cdot \omega)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) + \psi_{\psi_M(M^3+M)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)$	$\psi(I(1,0)^2 + I(1,0) \cdot \Omega_{\psi_{I(1,0)}(I(1,0)^2)+1})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)) + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,2,0)(3,2,1)(4,2,1)(5,2,1)$	$\psi(I(1,0)^2 + I(1,0) \cdot I_{\psi_{I(1,0)}(I(1,0)^2)+\omega})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)) + M^2 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)$	$\psi(I(1,0)^2 + I(1,0) \cdot I_{\Omega_{\psi_{I(1,0)}(I(1,0)^2)+1}})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)) + M)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,2,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1,0)^2 + I(1,0) \cdot$ $\psi_{I(1,0)}(I(1,0)^2 + I(1,0)))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3) + \psi_M(M^3))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,2,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(I(1,0)^2 + I(1,0) \cdot$ $\psi_{I(1,0)}(I(1,0)^2 + I(1,0) \cdot \omega))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3) + \psi_{\psi_M(M^3+M)}(1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,2,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)$	$\psi(I(1,0)^2 + I(1,0) \cdot \psi_{I(1,0)}(I(1,0)^2 +$ $I(1,0) \cdot \Omega_{\psi_{I(1,0)}(I(1,0)^2+1)}))$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot$ $\psi_{\psi_M(M^3)}(M^3 + \psi_{\psi_M(M^3+M)}(M^3) +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)) + M))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1,0)^2 \cdot 2)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I(1,0)^2 \cdot \omega)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1,0)^3)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 + \psi_M(M^3)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(2,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)$	$\psi(I(1,0)^4)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 + \psi_M(M^3) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(3,0,0)$	$\psi(I(1,0)^\omega)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 + \psi_{\psi_M(M^3+M)}(1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(3,1,0)$	$\psi(I(1,0)^\Omega)$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 + \psi_{\psi_M(M^3+M)}(M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1,0)^{\psi_{I(1,0)}(I(1,0))})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3))))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(3,1,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1,0)^{\psi_{I(1,0)}(I(1,0)^2)})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + \psi_M(M^3))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(3,0,0)	$\psi(I(1,0)^{\psi_{I(1,0)}(I(1,0)^\omega)})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}$ $(M^3 + \psi_{\psi_M(M^3+M)}(1))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(3,1,0)	$\psi(I(1,0)^{\psi_{I(1,0)}(I(1,0)^\Omega)})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^2 \cdot \psi_{\psi_M(M^3)}$ $(M^3 + \psi_{\psi_M(M^3+M)}(M))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(3,1,0)(2,0,0)	$\psi(I(1,0)^{I(1,0)})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(3,1,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1,0)^{I(1,0)+1})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3) + \psi_M(M^3)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(3,1,0)(2,1,1)- -(3,1,0)(3,1,0)(2,0,0)	$\psi(I(1,0)^{I(1,0) \cdot 2})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3 \cdot 2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(3,1,0)(3,0,0)	$\psi(I(1,0)^{I(1,0)^\omega})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3 + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(3,1,0)(3,1,0)(2,0,0)	$\psi(I(1,0)^{I(1,0)^2})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3 + \psi_M(M^3))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,0,0)	$\psi(I(1,0)^{I(1,0)^\omega})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3 + \psi_{\psi_M(M^3+M)}(1))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,1,0)(2,0,0)	$\psi(I(1,0)^{I(1,0)^{I(1,0)}})$ $\psi(M^3 + \psi_{\psi_M(M^3+M)}(M^3 +$ $\psi_{\psi_M(M^3+M)}(M^3 + \psi_{\psi_M(M^3+M)}(M^3))))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I(1,0)+1})$ $\psi(M^3 + M)$



BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)	$\psi(\Omega_{I(1,0)+1} + I_\Omega)$ $\psi(M^3 + M + \psi_M(M^2 \cdot \psi_M(M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{I(1,0)+1} + \psi_{I(1,0)}(I(1,0)))$ $\psi(M^3 + M + \psi_{\psi_M(M^3)}(M^3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(\Omega_{I(1,0)+1} + \psi_{I(1,0)}(I(1,0) \cdot \omega))$ $\psi(M^3 + M + \psi_{\psi_M(M^3)}(M^3 + \psi_{\psi_M(M^3+M)}(1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I(1,0)+1} + \psi_{I(1,0)}(\Omega_{I(1,0)+1}))$ $\psi(M^3 + M + \psi_{\psi_M(M^3)}(M^3 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I(1,0)+1} + \psi_{I(1,0)}(\Omega_{I(1,0)+1}))$ $\psi(M^3 + M + \psi_{\psi_M(M^3)}(M^3 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,0,0)	$\psi(\Omega_{I(1,0)+1} + \psi_{\Omega_{\psi_{I(1,0)}(\Omega_{I(1,0)+1}+1)}(1))$ $\psi(M^3 + M +$ $\psi_{\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3+M)+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I(1,0)+1} + \psi_{\Omega_{\psi_{I(1,0)}(\Omega_{I(1,0)+1}+1)}(\Omega_{I(1,0)+1}))$ $\psi(M^3 + M +$ $\psi_{\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3+M)+M)}(M^3 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,0)	$\psi(\Omega_{I(1,0)+1} + \Omega_{\psi_{I(1,0)}(\Omega_{I(1,0)+1}+1)})$ $\psi(M^3 + M +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + M) + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{I(1,0)+1} + I_{\psi_{I(1,0)}(\Omega_{I(1,0)+1}+1)})$ $\psi(M^3 + M +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + M) + M^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)	$\psi(\Omega_{I(1,0)+1} + I_{\psi_{I(1,0)}(\Omega_{I(1,0)+1}+\omega)})$ $\psi(M^3 + M +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + M) + M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)	$\psi(\Omega_{I(1,0)+1} + I_{\Omega_{\psi_{I(1,0)}(\Omega_{I(1,0)+1}+1)}})$ $\psi(M^3 + M + \psi_{\psi_M(M^3)}(M^3 + M +$ $\psi_M(M^2 \cdot \psi_{\psi_M(M^3)}(M^3 + M) + M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{I(1,0)+1} + I(1,0))$ $\psi(M^3 + M + \psi_M(M^3))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(\Omega_{I(1,0)+1} + I(1,0) \cdot \omega)$ $\psi(M^3 + M + \psi_{\psi_M(M^3+M)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{I(1,0)+1} + \psi_{\Omega_{I(1,0)+1}}(\Omega_{I(1,0)+1}))$ $\psi(M^3 + M + \psi_{\psi_M(M^3+M)}(M^3 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)$	$\psi(\Omega_{I(1,0)+1} + \psi_{\Omega_{I(1,0)+1}}(\Omega_{I(1,0)+1} + 1))$ $\psi(M^3 + M + \psi_{\psi_M(M^3+M)}(M^3 + M + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{I(1,0)+1} \cdot 2)$ $\psi(M^3 + M + \psi_M(M^3 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,0)(5,3,0)$	$\psi(\Omega_{I(1,0)+2})$ $\psi(M^3 + M \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)$	$\psi(\Omega_{I(1,0)+\omega})$ $\psi(M^3 + M \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_{I(1,0)+1})$ $\psi(M^3 + M^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{I(1,0)+1+1})$ $\psi(M^3 + M^2 + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_{I(1,0)+\omega})$ $\psi(M^3 + M^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_{I(1,0)+\omega})$ $\psi(M^3 + M^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,1,0)(2,0,0)$	$\psi(I_{I(1,0) \cdot 2})$ $\psi(M^3 + M^2 \cdot \psi_M(M^3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)$	$\psi(I_{\Omega_{I(1,0)+1}})$ $\psi(M^3 + M^2 \cdot \psi_M(M^3 + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1,1))$ $\psi(M^3 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(5,0,0)(1,1,1)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(5,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,1)(8,3,1)(9,3,0)-$ $-(8,0,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1,1) + I)$ $\psi(M^3 \cdot 2 + \psi_M(M^2))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,0,0)(1,1,1)(2,1,1)(3,1,1)	$\psi(I(1,1) + I_\omega)$ $\psi(M^3 \cdot 2 + \psi_M(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1,1) + \psi_{I(1,0)}(I(1,1)))$ $\psi(M^3 \cdot 2 + \psi_{\psi_M(M^3)}(M^3 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,0,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1,1) + I(1,0))$ $\psi(M^3 \cdot 2 + \psi_M(M^3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,0,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(6,3,1)(7,3,1)- -(8,3,1)(7,3,1)(8,3,0)(7,0,0)	$\psi(I(1,1) + \psi_{\Omega_{I(1,0)+1}}(I(1,1)))$ $\psi(M^3 \cdot 2 + \psi_{\psi_M(M^2 \cdot \psi_M(M^3) + M)}(M^3 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)(2,1,1)	$\psi(I(1,1) + \psi_{\Omega_{I(1,0)+1}}(I(1,1) + 1))$ $\psi(M^3 \cdot 2 + \psi_{\psi_M(M^2 \cdot \psi_M(M^3) + M)}(M^3 \cdot 2 + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)(4,2,0)	$\psi(I(1,1) + \Omega_{I(1,0)+1})$ $\psi(M^3 \cdot 2 + \psi_M(M^2 \cdot \psi_M(M^3) + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,0,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1,1) + \psi_{I(1,1)}(I(1,1)))$ $\psi(M^3 \cdot 2 + \psi_{\psi_M(M^3 \cdot 2)}(M^3 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(I(1,1) + \Omega_{\psi_{I(1,1)}(I(1,1))+1})$ $\psi(M^3 \cdot 2 + \psi_M(M^2 \cdot \psi_{\psi_M(M^3 \cdot 2)}(M^3 \cdot 2) + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)- -(6,2,0)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(I(1,1) \cdot 2)$ $\psi(M^3 \cdot 2 + \psi_M(M^3 \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,2,1)	$\psi(I(1,1) \cdot \omega)$ $\psi(M^3 \cdot 2 + \psi_{\psi_M(M^3 \cdot 2 + M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{I(1,1)+1})$ $\psi(M^3 \cdot 2 + M)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)-$ $-(8,3,1)(9,3,0)(8,0,0)$	$\psi(I(1, 2))$ $\psi(M^3 \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)(8,3,1)-$ $-(9,3,0)(8,0,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1, 2) + I(1, 0))$ $\psi(M^3 \cdot 3 + \psi_M(M^3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)(8,3,1)-$ $-(9,3,0)(8,0,0)(5,2,0)(6,3,1)(7,3,1)-$ $-(8,3,1)(7,3,1)(8,3,0)(7,0,0)$	$\psi(I(1, 2) + I(1, 1))$ $\psi(M^3 \cdot 3 + \psi_M(M^3 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)(8,3,1)-$ $-(9,3,0)(8,0,0)(8,3,0)(9,4,1)(10,4,1)-$ $-(11,4,1)(10,4,1)(11,4,0)(10,0,0)$	$\psi(I(1, 2) \cdot 2)$ $\psi(M^3 \cdot 3 + \psi_M(M^3 \cdot 3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)(8,3,1)-$ $-(9,3,0)(10,4,1)(11,4,1)(12,4,1)-$ $-(11,4,1)(12,4,0)(11,0,0)$	$\psi(I(1, 3))$ $\psi(M^3 \cdot 4)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(I(1, \omega))$ $\psi(M^3 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(5,2,1)(6,2,1)$	$\psi(I(1, \omega) + \psi_{I(1,0)}(I(1, \omega)))$ $\psi(M^3 \cdot \omega + \psi_{\psi_M(M^3)}(M^3 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1, \omega) + I(1, 0))$ $\psi(M^3 \cdot \omega + \psi_M(M^3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,1)(4,2,0)$	$\psi(I(1, \omega) + \Omega_{I(1,0)+1})$ $\psi(M^3 \cdot \omega + \psi_M(M^3 + M))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)-$ $-(9,3,1)(8,3,1)(9,3,1)$	$\psi(I(1, \omega) + \psi_{I(1,1)}(I(1, \omega)))$ $\psi(M^3 \cdot \omega + \psi_{\psi_M(M^3 \cdot 2)}(M^3 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)(8,3,1)-$ $-(9,3,1)(5,2,0)(6,3,1)(7,3,1)-$ $-(8,3,1)(7,3,1)(8,3,0)(7,0,0)$	$\psi(I(1, \omega) + I(1, 1))$ $\psi(M^3 \cdot \omega + \psi_M(M^3 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(1,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(I(1, \omega) \cdot 2)$ $\psi(M^3 \cdot \omega + \psi_M(M^3 \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,0)(3,2,0)$	$\psi(\Omega_{I(1, \omega)+1})$ $\psi(M^3 \cdot \omega + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1, \omega + 1))$ $\psi(M^3 \cdot \omega + M^3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)-$ $-(7,3,1)(8,3,0)(7,0,0)$	$\psi(I(1, \omega + 2))$ $\psi(M^3 \cdot \omega + M^3 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,1)$	$\psi(I(1, \omega \cdot 2))$ $\psi(M^3 \cdot \omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)$	$\psi(I(1, \psi(2)))$ $\psi(M^3 \cdot \psi(2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)$	$\psi(I(1, \Omega))$ $\psi(M^3 \cdot \psi_M(M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi(I(1, I))$ $\psi(M^3 \cdot \psi_M(M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)$	$\psi(I(1, \Omega_{I+1}))$ $\psi(M^3 \cdot \psi_M(M^2 + M))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)- -(1,1,1)(2,1,1)(3,1,1)	$\psi(I(1, I_\omega))$ $\psi(M^3 \cdot \psi_M(M^2 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,1,0)(2,0,0)	$\psi(I(1, I(1, 0)))$ $\psi(M^3 \cdot \psi_M(M^3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(1,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,1)	$\psi(I(1, I(1, \omega)))$ $\psi(M^3 \cdot \psi_M(M^3 \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(2, 0))$ $\psi(M^4)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(I(2, 0) \cdot \omega)$ $\psi(M^4 + \psi_{\psi_M(M^4+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I(2,0)+1})$ $\psi(M^4 + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I_{I(2,0)+1})$ $\psi(M^4 + M^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1, I(2, 0) + 1))$ $\psi(M^4 + M^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I(2, 1))$ $\psi(M^4 \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,1)	$\psi(I(2, \omega))$ $\psi(M^4 \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I(3, 0))$ $\psi(M^5)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(4, 0))$ $\psi(M^6)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)	$\psi(I(\omega, 0))$ $\psi(M^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)	$\psi(I(\omega, 0) \cdot 2)$ $\psi(M^\omega + \psi_M(M^\omega))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,0)(3,2,0)$	$\psi(\Omega_{I(\omega,0)+1})$ $\psi(M^\omega + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I_{I(\omega,0)+1})$ $\psi(M^\omega + M^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1, I(\omega, 0) + 1))$ $\psi(M^\omega + M^3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(2, I(\omega, 0) + 1))$ $\psi(M^\omega + M^4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)$	$\psi(I(\omega, 1))$ $\psi(M^\omega \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)-$ $-(4,2,0)(5,3,1)(6,3,1)(7,3,1)(7,0,0)$	$\psi(I(\omega, 2))$ $\psi(M^\omega \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,0,0)(2,1,1)$	$\psi(I(\omega, \omega))$ $\psi(M^\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(\omega + 1, 0))$ $\psi(M^{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,0)(2,1,1)$	$\psi(I(\omega + 1, 0) \cdot \omega)$ $\psi(M^{\omega+1} + \psi_M(M^{\omega+1}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{I(\omega+1,0)+1})$ $\psi(M^{\omega+1} + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,0,0)$	$\psi(I(\omega, I(\omega + 1, 0) + 1))$ $\psi(M^{\omega+1} + M^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,0,0)(5,2,1)$	$\psi(I(\omega, I(\omega + 1, 0) + \omega))$ $\psi(M^{\omega+1} + M^\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,0,0)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(\omega + 1, 1))$ $\psi(M^{\omega+1} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,0,0)(5,2,1)(6,2,0)(7,3,1)(8,3,1)-$ $-(9,3,1)(9,0,0)(8,3,1)(9,3,0)(8,0,0)$	$\psi(I(\omega + 1, 2))$ $\psi(M^{\omega+1} \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,1)$	$\psi(I(\omega + 1, \omega))$ $\psi(M^{\omega+1} \cdot \omega)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(\omega + 2, 0))$ $\psi(M^{\omega+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(\omega + 3, 0))$ $\psi(M^{\omega+3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,1)(3,0,0)$	$\psi(I(\omega \cdot 2, 0))$ $\psi(M^{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,1)(3,0,0)-$ $-(2,1,1)(3,1,1)(3,0,0)$	$\psi(I(\omega \cdot 3, 0))$ $\psi(M^{\omega \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,0,0)(3,0,0)$	$\psi(I(\psi(2), 0))$ $\psi(M^{\psi(2)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)$	$\psi(I(\Omega, 0))$ $\psi(M^{\psi_M(M)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)$	$\psi(I(I(\Omega, 0), 0))$ $\psi(M^{\psi_M(M^{\psi_M(M)})})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(1, 0, 0))$ $\psi(M^M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0)))$ $\psi(M^M + \psi_{\psi_M(M^M)}(M^M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,0)(3,2,0)$	$\psi(I(1, 0, 0) + \Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1})$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1, 0, 0) + I_{\psi_{I(1,0,0)}(I(1,0,0))+1})$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} + M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1, 0, 0) + I(1, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1))$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} + M^3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(I(1, 0, 0) + I(2, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1))$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} + M^4))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)$	$\psi(I(1, 0, 0) + I(\omega, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1))$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} + M^\omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), 1))$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} \cdot 2))$



BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), 1) \cdot 2)$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} \cdot 2) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,0)(5,3,0)	$\psi(I(1, 0, 0) + \Omega_{I(\psi_{I(1,0,0)}(I(1,0,0)),1)+1})$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} \cdot 2 + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,0)(5,3,1)(6,3,1)(7,3,1)(7,1,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), 2))$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} \cdot 3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,1)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), \omega))$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,0)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)),$ $\Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}))$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} \cdot$ $\psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} + M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)) + 1, 0))$ $\psi(M^M + \psi_{\psi_M(M^M)}(M^M + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,1)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)) + 1, \omega))$ $\psi(M^M + \psi_M(M^{\psi_{\psi_M(M^M)}(M^M)+1} \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)) + 2, 0))$ $\psi(M^M + \psi_{\psi_M(M^M)}(M^M + 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,1)(5,0,0)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)) + \omega, 0))$ $\psi(M^M + \psi_{\psi_M(M^M)}(M^M + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(4,2,1)(5,2,1)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)) \cdot 2, 0))$ $\psi(M^M + \psi_{\psi_M(M^M)}(M^M + \psi_{\psi_M(M^M)}(M^M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)	$\psi(I(1, 0, 0) + I(\Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}, 0))$ $\psi(M^M + \psi_{\psi_M(M^M)}(M^M +$ $\psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} + M)))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)- -(3,2,1)(4,2,1)(5,2,1)(5,2,0)	$\psi(I(1, 0, 0) + I(I(\Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}, 0), 0))$ $\psi(M^M + \psi_{\psi_M(M^M)}(M^M + \psi_{\psi_M(M^M)}(M^M +$ $\psi_M(M^{\psi_{\psi_M(M^M)}(M^M)} + M))))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,0,0)	$\psi(I(1, 0, 0) \cdot 2)$ $\psi(M^M + \psi_M(M^M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(4,2,0)(5,3,0)	$\psi(I(1, 0, 0) \cdot 2 + \Omega_{\psi_{I(1,0,0)}(I(1,0,0) \cdot 2)+1})$ $\psi(M^M + \psi_M(M^M) +$ $\psi_M(M^{\psi_{\psi_M(M^M)}(M^M + \psi_M(M^M))} + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)- -(4,2,0)(5,3,1)(6,3,1)- -(7,3,1)(7,3,0)(6,0,0)	$\psi(I(1, 0, 0) \cdot 3)$ $\psi(M^M + \psi_M(M^M) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,1,1)	$\psi(I(1, 0, 0) \cdot \omega)$ $\psi(M^M + \psi_{\psi_M(M^M+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I(1,0,0)+1})$ $\psi(M^M + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I_{I(1,0,0)+1})$ $\psi(M^M + M^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1, I(1, 0, 0) + 1))$ $\psi(M^M + M^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,0,0)	$\psi(I(\omega, I(1, 0, 0) + 1))$ $\psi(M^M + M^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,1,0)	$\psi(I(\Omega, I(1, 0, 0) + 1))$ $\psi(M^M + M^{\psi_M(M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(I(\psi_{I(1,0,0)}(I(1, 0, 0)), I(1, 0, 0) + 1))$ $\psi(M^M + M^{\psi_{\psi_M(M^M)}(M^M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,0)	$\psi(I(\psi_{I(1,0,0)}(\Omega_{I(1,0,0)+1}), I(1, 0, 0) + 1))$ $\psi(M^M + M^{\psi_{\psi_M(M^M)}(M^M+M)})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,1,0)	$\psi(I(\psi_{I(1,0,0)}(I(\Omega, I(1, 0, 0) + 1)), I(1, 0, 0) + 1))$ $\psi(M^M + M^{\psi_{\psi_M(M^M)}(M^M + M^{\psi_M(M^M)})})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(2,0,0)	$\psi(I(I(1, 0, 0), 1))$ $\psi(M^M + M^{\psi_M(M^M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(4,2,0)	$\psi(I(I(1, 0, 0), 1) + \Omega_{I(1,0,0)+1})$ $\psi(M^M + M^{\psi_M(M^M)} + \psi_M(M^M + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(4,2,1)(5,2,1)(6,2,1)(6,1,0)	$\psi(I(I(1, 0, 0), 1) + I(\Omega, I(1, 0, 0) + 1))$ $\psi(M^M + M^{\psi_M(M^M)} + \psi_M(M^M + M^{\psi_M(M^M)}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(2,0,0)	$\psi(I(I(1, 0, 0), 1) \cdot 2)$ $\psi(M^M + M^{\psi_M(M^M)} + \psi_M(M^M + M^{\psi_M(M^M)}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(5,2,0)(6,3,0)	$\psi(\Omega_{I(I(1,0,0),1)+1})$ $\psi(M^M + M^{\psi_M(M^M)} + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,0)(6,3,1)- -(7,3,1)(8,3,1)(8,1,0)	$\psi(I(\Omega, I(I(1, 0, 0), 1) + 1))$ $\psi(M^M + M^{\psi_M(M^M)} + M^{\psi_M(M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,0)(6,3,1)(7,3,1)- -(8,3,1)(8,1,0)(2,0,0)	$\psi(I(I(1, 0, 0), 2))$ $\psi(M^M + M^{\psi_M(M^M)} \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(8,1,0)(7,3,0)(8,4,1)(9,4,1)- -(10,4,1)(10,1,0)(2,0,0)	$\psi(I(I(1, 0, 0), 3))$ $\psi(M^M + M^{\psi_M(M^M)} \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(5,2,1)	$\psi(I(I(1, 0, 0), \omega))$ $\psi(M^M + M^{\psi_M(M^M)} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,1)(6,1,0)(2,0,0)	$\psi(I(I(1, 0, 0), I(1, 0, 0)))$ $\psi(M^M + M^{\psi_M(M^M)} \cdot \psi_M(M^M))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(5,2,1)(6,2,0)	$\psi(I(I(1, 0, 0), \Omega_{I(1,0,0)+1}))$ $\psi(M^M + M^{\psi_M(M^M)} \cdot \psi_M(M^M + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,1)(6,2,0)(5,0,0)	$\psi(I(I(1, 0, 0) + 1, 0))$ $\psi(M^M + M^{\psi_M(M^M)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,1)(6,2,0)(5,2,1)	$\psi(I(I(1, 0, 0) + 1, 0) \cdot \omega)$ $\psi(M^M + M^{\psi_M(M^M)+1} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{I(I(1,0,0)+1,0)+1})$ $\psi(M^M + M^{\psi_M(M^M)+1} + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(5,2,1)(6,2,1)	$\psi(I(I(1, 0, 0) + 1, \omega))$ $\psi(M^M + M^{\psi_M(M^M)+1} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I(I(1, 0, 0) + 2, 0))$ $\psi(M^M + M^{\psi_M(M^M)+2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,1)(6,2,1)(6,1,0)	$\psi(I(I(1, 0, 0) + \Omega, 0))$ $\psi(M^M + M^{\psi_M(M^M)+\psi_M(M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,1,0)(5,2,1)(6,2,1)(6,1,0)(2,0,0)	$\psi(I(I(1, 0, 0) \cdot 2, 0))$ $\psi(M^M + M^{\psi_M(M^M) \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(6,0,0)	$\psi(I(I(1, 0, 0) \cdot \omega, 0))$ $\psi(M^M + M^{\psi_M(M^M+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,1,0)(7,2,0)	$\psi(I(\psi_{\Omega_{I(1,0,0)+1}}(\Omega_{I(1,0,0)+1}), 0))$ $\psi(M^M + M^{\psi_M(M^M+M)}(M^M+M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)	$\psi(I(\Omega_{I(1,0,0)+1}, 0))$ $\psi(M^M + M^{\psi_M(M^M+M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,0)(4,2,1)(5,2,1)(6,2,1)(6,2,0)	$\psi(I(I(\Omega_{I(1,0,0)+1}, 0), 0))$ $\psi(M^M + M^{\psi_M(M^M+M^{\psi_M(M^M+M)})})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(5,0,0)	$\psi(I(1, 0, 1))$ $\psi(M^M \cdot 2)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(5,2,1)	$\psi(I(1, 0, 1) \cdot \omega)$ $\psi(M^M \cdot 2 + \psi_{\psi_M(M^M \cdot 2 + M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,0)(5,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{I(1,0,1)+1})$ $\psi(M^M \cdot 2 + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,0)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(9,1,0)(2,0,0)	$\psi(I(I(1, 0, 0), I(1, 0, 1) + 1))$ $\psi(M^M \cdot 2 + M^{\psi_M(M^M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,0)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(9,2,0)(5,0,0)	$\psi(I(I(1, 0, 1), 1))$ $\psi(M^M \cdot 2 + M^{\psi_M(M^M \cdot 2)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,0)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(9,3,0)	$\psi(I(\Omega_{I(1,0,1)+1}, 0))$ $\psi(M^M \cdot 2 + M^{\psi_M(M^M \cdot 2 + M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,0)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(9,3,0)(8,0,0)	$\psi(I(1, 0, 2))$ $\psi(M^M \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,0)(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(9,3,0)(8,3,1)(9,3,0)(10,4,1)- -(11,4,1)(12,4,1)(12,4,0)(11,0,0)	$\psi(I(1, 0, 3))$ $\psi(M^M \cdot 4)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)	$\psi(I(1, 0, \omega))$ $\psi(M^M \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 1, 0))$ $\psi(M^{M+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{I(1,1,0)+1})$ $\psi(M^{M+1} + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,1,0)(2,0,0)	$\psi(I(I(1, 1, 0), 1))$ $\psi(M^{M+1} + M^{\psi_M(M^{M+1})})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,0)	$\psi(I(\Omega_{I(1,1,0)+1}, 0))$ $\psi(M^{M+1} + M^{\psi_M(M^{M+1} + M)})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)(5,0,0)	$\psi(I(1,0, I(1,1,0) + 1))$ $\psi(M^{M+1} + M^M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)(5,2,1)- -(6,2,1)(5,2,1)(6,2,0)	$\psi(I(1,0, \Omega_{I(1,1,0)+1}))$ $\psi(M^{M+1} + M^M \cdot \psi_M(M^{M+1} + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1,1,1))$ $\psi(M^{M+1} \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(9,1,0)(2,0,0)	$\psi(I(I(1,1,0), I(1,1,1) + 1))$ $\psi(M^{M+1} \cdot 2 + M^{\psi_M(M^{M+1})})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(9,2,0)(5,0,0)	$\psi(I(I(1,1,1), 1))$ $\psi(M^{M+1} \cdot 2 + M^{\psi_M(M^{M+1} \cdot 2)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(9,3,0)(8,0,0)	$\psi(I(1,0, I(1,1,1) + 1))$ $\psi(M^{M+1} \cdot 2 + M^M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(9,3,0)(8,3,1)(9,3,1)- -(8,3,1)(9,3,0)(8,0,0)	$\psi(I(1,1,2))$ $\psi(M^{M+1} \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,1)	$\psi(I(1,1,\omega))$ $\psi(M^{M+1} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1,2,0))$ $\psi(M^{M+2})$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,0)(5,0,0)$	$\psi(I(1,0, I(1,2,0) + 1))$ $\psi(M^{M+2} + M^M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,0)-$ $-(5,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1,1, I(1,2,0) + 1))$ $\psi(M^{M+2} + M^{M+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,0)-$ $-(5,2,1)(6,2,1)(5,2,1)(6,2,1)(5,2,1)-$ $-(6,2,0)(5,0,0)$	$\psi(I(1,2,1))$ $\psi(M^{M+2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(I(1,2,\omega))$ $\psi(M^{M+2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1,3,0))$ $\psi(M^{M+3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(1,4,0))$ $\psi(M^{M+4})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)$	$\psi(I(1,\omega,0))$ $\psi(M^{M+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(2,0,0))$ $\psi(M^{M \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)$	$\psi(I(2,0,0) \cdot \omega)$ $\psi(M^{M \cdot 2} + \psi_{\psi_M(M^{M \cdot 2} + M)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{I(2,0,0)+1})$ $\psi(M^{M \cdot 2} + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1,0, I(2,0,0) + 1))$ $\psi(M^{M \cdot 2} + M^M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1,1, I(2,0,0) + 1))$ $\psi(M^{M \cdot 2} + M^{M+1})$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I(1, 2, I(2, 0, 0) + 1))$ $\psi(M^{M \cdot 2} + M^{M+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)-$ $-(6,2,1)(6,2,0)$	$\psi(I(1, \Omega_{I(2,0,0)+1}, 0))$ $\psi(M^{M \cdot 2} + M^{M+\psi_M(M^{M \cdot 2}+M)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)-$ $-(6,2,1)(6,2,0)(5,0,0)$	$\psi(I(2, 0, 1))$ $\psi(M^{M \cdot 2} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,1)(6,2,1)-$ $-(6,2,0)(5,2,1)(6,2,0)(7,3,1)(8,3,1)-$ $-(9,3,1)(9,3,0)(8,3,1)-$ $-(9,3,1)(9,3,0)(8,0,0)$	$\psi(I(2, 0, 2))$ $\psi(M^{M \cdot 2} \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)$	$\psi(I(2, 0, \omega))$ $\psi(M^{M \cdot 2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(2, 1, 0))$ $\psi(M^{M \cdot 2+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(I(2, 2, 0))$ $\psi(M^{M \cdot 2+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)$	$\psi(I(2, \omega, 0))$ $\psi(M^{M \cdot 2+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(3, 0, 0))$ $\psi(M^{M \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(I(4, 0, 0))$ $\psi(M^{M \cdot 4})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,0,0)$	$\psi(I(1, 0, 0, 0))$ $\psi(M^{M^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{I(1,0,0,0)+1})$ $\psi(M^{M^2} + M)$



BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,0)(5,0,0)	$\psi(I(1, 0, I(1, 0, 0, 0) + 1))$ $\psi(M^{M^2} + M^M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(I(1, 1, I(1, 0, 0, 0) + 1))$ $\psi(M^{M^2} + M^{M+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(5,2,1)- -(6,2,1)(6,2,0)(5,0,0)	$\psi(I(2, 0, I(1, 0, 0, 0) + 1))$ $\psi(M^{M^2} + M^{M \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(5,2,1)(6,2,1)(6,2,0)- -(5,2,1)(6,2,1)(6,2,0)(5,0,0)	$\psi(I(3, 0, I(1, 0, 0, 0) + 1))$ $\psi(M^{M^2} + M^{M \cdot 3})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(6,2,0)(5,0,0)	$\psi(I(1, 0, 0, 1))$ $\psi(M^{M^2} \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,1)	$\psi(I(1, 0, 0, \omega))$ $\psi(M^{M^2} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 1, 0))$ $\psi(M^{M^2+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,1)(2,1,1)(3,1,1)	$\psi(I(1, 0, 1, \omega))$ $\psi(M^{M^2+1} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 0, 2, 0))$ $\psi(M^{M^2+2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 1, 0, 0))$ $\psi(M^{M^2+M})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 1, 1, 0))$ $\psi(M^{M^2+M+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,1)(3,1,0)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(I(1, 2, 0, 0))$ $\psi(M^{M^2+M \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(3,1,0)(2,1,1)(3,1,1)(3,1,0)(3,0,0)	$\psi(I(1, \omega, 0, 0))$ $\psi(M^{M^2+M \cdot \omega})$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(I(2, 0, 0, 0))$ $\psi(M^{M^2 \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)$	$\psi(I(3, 0, 0, 0))$ $\psi(M^{M^2 \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(3,0,0)$	$\psi(I(\omega, 0, 0, 0))$ $\psi(M^{M^2 \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(I(1, 0, 0, 0, 0))$ $\psi(M^{M^3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,0,0)$	$\psi(I(1 \textcircled{\omega}))$ $\psi(M^{M^\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,0,0)(2,1,1)$	$\psi(M^{M^\omega \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M^{M^\omega + 1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)(3,0,0)$	$\psi(M^{M^\omega + \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(M^{M^\omega + M})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)$	$\psi(M^{M^\omega + M \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M^{M^\omega + M + 1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(M^{M^\omega + M \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)(3,1,0)(3,0,0)$	$\psi(M^{M^\omega + M \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(M^{M^\omega + M^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(M^{M^\omega + M^3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(2,1,1)(3,1,1)(3,1,0)(4,0,0)$	$\psi(M^{M^\omega \cdot 2})$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,0,0)(3,0,0)$	$\psi(M^{M^\omega \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,0,0)(3,1,0)(2,0,0)$	$\psi(M^{M^{\omega+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,0,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(M^{M^{\omega+2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,0,0)(3,1,0)(4,0,0)$	$\psi(M^{M^{\omega \cdot 2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,0,0)(4,0,0)$	$\psi(M^{M^{\psi(2)}})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,1,0)$	$\psi(M^{M^{\psi_M(M)}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,1,1)(3,1,1)$	$\psi(M^{M^M \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M^{M^M+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(M^{M^M+M})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(M^{M^M+M^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,0,0)$	$\psi(M^{M^M \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(3,1,0)(2,0,0)$	$\psi(M^{M^{M+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(3,1,0)(4,1,0)(2,0,0)$	$\psi(M^{M^M \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi(M^{M^{M^2}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(M^{M^{M^3}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(5,0,0)$	$\psi(M^{M^{M^\omega}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(5,1,0)(2,0,0)$	$\psi(M^{M^{M^M}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,1,0)(5,1,0)(6,1,0)(2,0,0)$	$\psi(M^{M^{M^{M^M}}})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\varepsilon_{M+1})$ $\psi(\Omega_{M+1})$ $\psi(M_2)$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + \psi_M(\Omega_{M+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,0)	$\psi(\Omega_{M+1} + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)	$\psi(\Omega_{M+1} + M \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{M+1} + M^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)	$\psi(\Omega_{M+1} + M^2 \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{M+1} + M^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,0,0)	$\psi(\Omega_{M+1} + M^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,1,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} +$ $\psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M^\Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(2,0,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} +$ $\psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(2,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} +$ $\psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_M(\Omega_{M+1})))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(2,1,0)(3,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,1,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M^\Omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(3,0,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + 1)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(3,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_M(\Omega_{M+1} + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(3,2,1)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_M(\Omega_{M+1} + M \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_M(\Omega_{M+1} + M^\Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,1,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_M(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_M(\Omega_{M+1} + M^\Omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,0,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M^{\psi_M(\Omega_{M+1})}+M)}(1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M^{\psi_M(\Omega_{M+1})}+M)}(\Omega_{M+1} + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + \psi_{\psi_M(\Omega_{M+1}+M^{\psi_M(\Omega_{M+1})}+M)}(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,0)(5,3,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,0)(5,3,1)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} + M \cdot \omega)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,0)(5,3,1)(6,3,1)(7,1,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,1)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} \cdot \psi_M(\Omega_{M+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,1)(5,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} \cdot \psi_M(\Omega_{M+1} + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} \cdot \psi_M(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,1)(5,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} \cdot \psi_M(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})} \cdot \psi_M(\Omega_{M+1} + M)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,1)(5,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,0)(4,2,0)(5,3,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})+1} + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,1,0)(4,2,1)(5,2,1)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})+1} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})+2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,1)(5,0,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1})+\omega})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,1,0)(4,2,1)(5,2,1)(5,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1}) \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,0)	$\psi(\Omega_{M+1} + M^{\psi_M(\Omega_{M+1} + M)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{M+1} + M^M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)(5,2,0)(6,3,0)	$\psi(\Omega_{M+1} + M^M + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(4,2,1)(5,2,0)(6,3,1)(7,3,1)- -(8,3,1)(8,3,0)(7,0,0)	$\psi(\Omega_{M+1} + M^M \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)(5,2,1)	$\psi(\Omega_{M+1} + M^M \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{M+1} + M^{M+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(4,2,1)(5,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{M+1} + M^{M \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(5,2,0)(4,0,0)	$\psi(\Omega_{M+1} + M^{M^2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,2,0)(4,0,0)	$\psi(\Omega_{M+1} + M^{M^M})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,0)	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(5,2,0)(6,3,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) + \psi_M(\Omega_{M+1}))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,0)(6,3,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) +$ $\psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,0)(6,3,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) +$ $\psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1})))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,0)(2,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) +$ $\psi_{\psi_M(\Omega_{M+1}+M)}(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,0)(3,2,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) + \psi_M(\Omega_{M+1} + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,0)(6,3,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) +$ $\psi_M(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1})))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,0)(6,3,0)(4,2,0)(5,3,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,0)(6,3,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(7,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) + M^M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,0)(6,3,0)(4,2,0)(5,3,1)-$ $-(6,3,1)(7,3,0)(8,4,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(2,0,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M) +$ $\psi_M(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + \psi_M(M))))$



BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(2,0,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M) +$ $\psi_{\psi_M(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M))}(\Omega_{M+1} +$ $\psi_{\Omega_{M+1}}(\Omega_{M+1} + M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,0)(6,3,0)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M) +$ $\psi_M(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M) + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M \cdot 2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)(3,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M^3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,1,0)(2,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + M^M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1})))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(3,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} +$ $\psi_{\Omega_{M+1}}(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,0,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} +$ $\psi_{\Omega_{M+1}}(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + 1))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1} +$ $\psi_{\Omega_{M+1}}(\Omega_{M+1} + \psi_{\Omega_{M+1}}(\Omega_{M+1}))))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{M+1} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,2,0)(2,1,1)$	$\psi(\Omega_{M+1} \cdot 2 + \psi_{\Omega_{M+1}}(\Omega_{M+1} \cdot 2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{M+1} \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(5,3,0)$	$\psi(\Omega_{M+2})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)$	$\psi(\Omega_{M+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{M+\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)$	$\psi(\Omega_{M+\omega^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\Omega_{M \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)$	$\psi(\Omega_{\Omega_{M+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_{M+1})$ $\psi(M_2^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)(2,1,1)$	$\psi(M_2^2 + \psi_{\Omega_{M+1}}(M_2^2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)(4,2,0)$	$\psi(M_2^2 + \Omega_{M+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M_2^2 + \psi_{\psi_{M_2}(M_2^2)}(M_2^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,0)(7,0,0)$	$\psi(M_2^2 + \psi_{M_2}(M_2^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(7,3,0)$	$\psi(M_2^2 + M_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,0)(7,3,1)-$ $-(8,3,1)(9,3,0)(8,0,0)$	$\psi(M_2^2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(M_2^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(M_2^3)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,0,0)$	$\psi(M_2^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,1,0)(2,0,0)$	$\psi(M_2^M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)(5,0,0)$	$\psi(M_2^{M_2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)-$ $-(5,2,1)(6,2,0)(7,3,0)$	$\psi(M_2^{M_2} + M_2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,0)(5,2,1)(6,2,1)$	$\psi(M_2^{M_2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)(5,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M_2^{M_2+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)(5,2,1)-$ $-(6,2,1)(6,2,0)(5,0,0)$	$\psi(M_2^{M_2 \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,0)(6,2,0)(5,0,0)$	$\psi(M_2^{M_2^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{M_2+1})$ $\psi(M_3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,0)(8,0,0)$	$\psi(M_3^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,3,1)-$ $-(8,3,1)(9,3,1)(9,3,0)(8,0,0)$	$\psi(M_3^{M_3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,3,1)-$ $-(8,3,1)(9,3,1)(9,3,0)(10,4,0)$	$\psi(M_4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M_\omega)$ $\psi(N \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(M_\omega + \psi_M(M_2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,0)(7,3,0)$	$\psi(M_\omega + \psi_M(M_3))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)	$\psi(M_\omega + \psi_M(M_\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,0)	$\psi(M_\omega + M)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,0)(6,3,0)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,0)(6,3,1)(7,3,1)- -(8,3,1)(8,3,0)(9,4,0)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,1)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,1)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega) + \psi_M(M_\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,1)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,1)(2,1,0)(3,2,0)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega) + \psi_{\psi_M(M_\omega+M)}(M_\omega + M))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,1)(1,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,1)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,1)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega) +$ $\psi_{\psi_M(M_\omega+M)}(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega)))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)(3,2,0)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega) + \psi_M(M_\omega + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,0)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega) +$ $\psi_M(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,1)(8,3,1)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega) +$ $\psi_M(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,1)(7,3,1)-$ $-(8,3,1)(8,3,1)(4,2,0)(5,3,0)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega) + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(2,1,1)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega + M))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(4,2,0)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega + M) + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)-$ $-(2,1,1)(3,1,0)(4,2,0)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega + M) + M)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(2,1,1)(3,1,1)$	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega + M + 1))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega + M \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_2)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)	$\psi(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega + \psi_{\psi_{M_2}(M_2)}(M_\omega)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(4,2,0)	$\psi(M_\omega + \psi_{M_2}(M_2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(7,3,1)- -(8,3,1)(9,3,1)(9,3,1)	$\psi(M_\omega + \psi_{M_2}(M_\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(9,3,1)(5,2,0)(6,3,0)	$\psi(M_\omega + M_2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(4,2,1)(5,2,1)- -(6,2,1)(6,2,0)(7,3,1)(8,3,1)- -(9,3,1)(9,3,1)(7,3,0)	$\psi(M_\omega + \psi_{M_3}(M_3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(1,1,1)(2,1,1)(3,1,1)(3,1,1)	$\psi(M_\omega \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,0)(3,2,0)	$\psi(\Omega_{M_\omega+1})$ $\psi(M_{\omega+1})$ $\psi(N \cdot \omega + N)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(M_{\omega+1}^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,0)	$\psi(M_{\omega+2})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)- -(6,3,1)(7,3,1)(8,3,1)(8,3,0)(9,4,0)	$\psi(M_{\omega+3})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,1)	$\psi(M_{\omega \cdot 2})$ $\psi(N \cdot \omega \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,1)- -(4,2,0)(5,3,1)(6,3,1)(7,3,1)(7,3,1)	$\psi(M_{\omega \cdot 3})$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,1)(2,1,1)	$\psi(M_{\psi(2)})$ $\psi(N \cdot \psi(2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,0)	$\psi(M_{\psi_M(M)})$ $\psi(N \cdot \Omega)$ $\psi(N \cdot \psi_{\psi_N(N)}(N))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)	$\psi(M_{\psi_M(M_\omega)})$ $\psi(N \cdot \psi_M(M_\omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)- -(6,2,1)(5,2,1)(6,1,0)	$\psi(M_{\psi_M(M_{\psi_M(M)})})$ $\psi(N \cdot \psi_M(M_\Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,1,0)(2,0,0)	$\psi(M_M)$ $\psi(N \cdot \psi_N(N))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,0)	$\psi(M_{\Omega_{M+1}})$ $\psi(N \cdot \Omega_{M+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,1)	$\psi(M_{M_\omega})$ $\psi(N \cdot \psi_N(N \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,1)(2,1,1)(3,1,0)	$\psi(M_{M_{\psi_M(M)}})$ $\psi(N \cdot \psi_N(N \cdot \Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(M(1, 0))$ $\psi(M(1; 0))$ $\psi(N^2)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)(1,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1,0) + \psi_{M(1,0)}(M(1,0)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,0)$	$\psi(M(1,0) + \Omega_{\psi_{M(1,0)}(M(1,0))+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(M(1,0) + M_{\psi_{M(1,0)}(M(1,0))+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)$	$\psi(M(1,0) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M(1,0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)$	$\psi(M_{M(1,0)+1})$ $\psi(\psi_{M(1,1)}(1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,0)$	$\psi(M_{\Omega_{M(1,0)+1}})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(1,1))$ $\psi(M(1;0) \cdot 2)$ $\psi(N^2 + \psi_N(N^2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{M(1,1)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,0)(7,3,1)(8,3,1)-$ $-(9,3,1)(9,3,1)(8,3,1)(9,3,0)(8,0,0)$	$\psi(M(1,2))$ $\psi(M(1;0) \cdot 3)$ $\psi(N^2 + \psi_N(N^2) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(M(1,\omega))$ $\psi(M(1;0) \cdot \omega)$ $\psi(N^2 + \psi_N(N^2) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(2,1,1)(3,1,0)$	$\psi(M(1,\Omega))$ $\psi(M(1;0) \cdot \Omega)$ $\psi(N^2 + \psi_N(N^2) \cdot \Omega)$



BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)	$\psi(M(1, M(1, \Omega)))$ $\psi(M(1; 0) \cdot \psi_{M(1; 0)}(M(1; 0) \cdot \Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(M(2, 0))$ $\psi(M(1; 0)^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(M(2, 0) + \psi_{M(2, 0)}(M(2, 0)))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)- -(3,1,0)(2,1,0)(3,2,0)	$\psi(M(2, 0) + \Omega_{\psi_{M(2, 0)}(M(2, 0)) + 1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,2,1)	$\psi(M(2, 0) + M_{\psi_{M(2, 0)}(M(2, 0)) + \omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(M(2, 0) + M(1, \psi_{M(2, 0)}(M(2, 0)) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)- -(5,2,1)(4,2,1)(5,2,1)	$\psi(M(2, 0) + M(1, \psi_{M(2, 0)}(M(2, 0)) + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)	$\psi(M(2, 0) + M(1, \Omega_{\psi_{M(2, 0)}(M(2, 0)) + 1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(M(2, 0) \cdot 2)$ $\psi(M(1; 0)^2 + \psi_{M(1; 0)}(M(1; 0)^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)(5,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(M(2, 0) \cdot 2)$ $\psi(M(1; 0)^2 + \psi_{M(1; 0)}(M(1; 0)^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(M(2, 0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M(2, 0) + 1})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)	$\psi(M_{M(2,0)+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(M(1, M(2, 0) + 1))$ $\psi(M(1; 0)^2 + M(1; 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(5,2,1)(6,2,1)	$\psi(M(1, M(2, 0) + \omega))$ $\psi(M(1; 0)^2 + M(1; 0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(M(2, 1))$ $\psi(M(1; 0)^2 \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{M(2,1)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(5,2,1)(6,2,1)- -(5,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(9,3,1)(8,3,1)(9,3,1)- -(8,3,1)(9,3,0)(8,0,0)	$\psi(M(2, 2))$ $\psi(M(1; 0)^2 \cdot 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)	$\psi(M(2, \omega))$ $\psi(M(1; 0)^2 \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(M(3, 0))$ $\psi(M(1; 0)^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(2,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(M(4, 0))$ $\psi(M(1; 0)^4)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,0,0)	$\psi(M(\omega, 0))$ $\psi(M(1; 0)^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(M(1, 0, 0))$ $\psi(M(1; 0)^{M(1;0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,0)(2,1,1)	$\psi(M(1, 0, \omega))$ $\psi(M(1; 0)^{M(1;0)} \cdot \omega)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 1, 0))$ $\psi(M(1; 0)^{M(1;0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(M(2, 0, 0))$ $\psi(M(1; 0)^{M(1;0) \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)$	$\psi(M(1, 0, 0, 0))$ $\psi(M(1; 0)^{M(1;0)^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M(1;0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)$	$\psi(M_{M(1;0)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(1, M(1; 0) + 1))$ $\psi(M(1; 1))$ $\psi(N^2 \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(2, M(1; 0) + 1))$ $\psi(M(1; 1)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(6,2,0)(5,0,0)$	$\psi(M(1, 0, M(1; 0) + 1))$ $\psi(M(1; 1)^{M(1;1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{M(1;1)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(6,2,0)-$ $-(7,3,1)(8,3,1)(9,3,1)(9,3,1)-$ $-(8,3,1)(9,3,1)(9,3,0)(8,0,0)$	$\psi(M(1; 2))$ $\psi(N^2 \cdot 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1; \omega))$ $\psi(N^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1; 1, 0))$ $\psi(M(2; 0))$ $\psi(N^3)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,1,1)	$\psi(M(1; 1, 0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M(1;1,0)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,0)(6,0,0)	$\psi(M(1, M(1; 1, 0) + 1))$ $\psi(M(1; M(1; 1, 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(5,2,1)- -(6,2,1)(6,2,0)(6,0,0)	$\psi(M(1, 0, M(1; 1, 0) + 1))$ $\psi(M(1; M(1; 1, 0) + 1)^{M(1; M(1; 1, 0) + 1)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(5,2,1)- -(6,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{M(1; M(1; 1, 0) + 1) + 1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(5,2,1)- -(6,2,1)(6,2,0)(7,3,1)(8,3,1)(9,3,1)- -(9,3,1)(8,3,1)(9,3,0)(9,0,0)	$\psi(M(1, M(1; M(1; 1, 0) + 1) + 1))$ $\psi(M(1; M(1; 1, 0) + 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,1)(6,2,1)	$\psi(M(1; M(1; 1, 0) + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(5,2,1)- -(6,2,1)(6,2,1)(5,2,1)(6,2,0)	$\psi(M(1; \Omega_{M(1;1,0)+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(5,2,1)- -(6,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(M(1; 1, 1))$ $\psi(M(2; 0) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)	$\psi(M(1; 1, \omega))$ $\psi(M(2; 0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(M(1; 2, 0))$ $\psi(M(2; 0)^2)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(M(1; 1, 0, 0))$ $\psi(M(2; 0)^{M(2; 0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M(2; 0)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(M(1, M(2; 0) + 1))$ $\psi(M(1; M(2; 0) + 1))$ $\psi(N^3 + N^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{M(1; M(2; 0)+1)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,1)(6,2,1)	$\psi(M(1; M(2; 0) + \omega))$ $\psi(N^3 + N^2 \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,0)(5,0,0)	$\psi(M(1; 1, M(2; 0) + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)- -(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,1)(6,2,1)(5,2,1)- -(6,2,1)(6,2,0)(7,3,0)	$\psi(M(2; 1))$ $\psi(N^3 \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)	$\psi(M(2; \omega))$ $\psi(N^3 \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)- -(3,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(M(2; 1, 0))$ $\psi(M(3; 0))$ $\psi(N^4)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)	$\psi(M(1, M(2; 1, 0) + 1))$ $\psi(M(1; M(2; 1, 0) + 1))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)-$ $-(6,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{M(1;M(2;1,0)+1)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(M(1; M(2; 1, 0) + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(1; 1, M(2; 1, 0) + 1))$ $\psi(M(2; M(2; 1, 0) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(5,2,1)(6,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{M(2;M(2;1,0)+1)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)$	$\psi(M(2; M(2; 1, 0) + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(M(2; 1, 1))$ $\psi(M(3; 0) \cdot 2)$ $\psi(N^3 + \psi_N(N^4))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(M(2; 1, \omega))$ $\psi(M(3; 0) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M(3;0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(3; \omega))$ $\psi(N^4 \cdot \omega)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(3,0,0)$	$\psi(M(\omega; 0))$ $\psi(N^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,0,0)(2,1,1)$	$\psi(M(\omega; \omega))$ $\psi(N^\omega \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(\omega; 1, 0))$ $\psi(M(\omega + 1; 0))$ $\psi(N^{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,0,0)(2,1,1)(3,1,1)$	$\psi(M(\omega; 1, \omega))$ $\psi(M(\omega + 1; 0) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M(\omega+1;0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(\omega + 1; \omega))$ $\psi(N^{\omega+1} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,0,0)(2,1,1)(3,1,1)(3,1,1)(3,0,0)$	$\psi(M(\omega \cdot 2; 0))$ $\psi(N^{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)$	$\psi(M(\Omega; 0))$ $\psi(N^\Omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0; 0))$ $\psi(M(1, 1; 0))$ $\psi(N^N)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,1,1)$	$\psi(M(1, 0; 0) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M(1,0;0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)$	$\psi(M(1, 0; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 0; 1, 0))$ $\psi(M(1, 1; 0)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M(1,1;0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(M_{M(1,1;0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(6,0,0)$	$\psi(M(\omega; M(1, 1; 0)))$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(6,2,0)(5,0,0)	$\psi(M(1, 0; M(1, 1; 0) + 1))$ $\psi(M(1, 1; 1))$ $\psi(N^N \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)- -(6,2,0)(5,2,1)(6,2,1)	$\psi(M(1, 0; M(1, 1; 0) + \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(6,2,1)(6,2,0)(5,2,1)- -(6,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{M(1,1;1)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,1,1)(3,1,1)(3,1,1)	$\psi(M(1, 1; \omega))$ $\psi(N^N \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,0)(2,0,0)	$\psi(M(1, 1; 1, 0))$ $\psi(M(1, 2; 0))$ $\psi(N^{N+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M(1,2;0)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)- -(2,1,1)(3,1,1)(3,1,1)	$\psi(M(1, 2; \omega))$ $\psi(N^{N+1} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)(2,1,1)- -(3,1,1)(3,1,1)(2,1,1)(3,1,1)(3,1,1)	$\psi(M(1, 3; \omega))$ $\psi(N^{N+2} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)(3,1,0)	$\psi(M(1, \Omega; 0))$ $\psi(N^{N+\Omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(M(2, 0; 0))$ $\psi(M(2, 1; 0))$ $\psi(N^{N \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)	$\psi(M(2, 0; \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)	$\psi(M(2, 1; \omega))$ $\psi(N^{N \cdot 2} \cdot \omega)$



BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(2, 2; \omega))$ $\psi(N^{N \cdot 2+1} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(M(3, 0; 0))$ $\psi(M(3, 1; 0))$ $\psi(N^{N \cdot 3})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(3,0,0)$	$\psi(M(\omega, 0; 0))$ $\psi(N^{N \cdot \omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(3,0,0)(2,1,1)$	$\psi(M(\omega, 0; \omega))$ $\psi(N^{N \cdot \omega} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,0,0)(2,1,1)(3,1,1)$	$\psi(M(\omega, 0; 1, \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,0,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(\omega, 1; \omega))$ $\psi(N^{N \cdot \omega+1} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,0,0)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(M(\omega + 1, 1; 0))$ $\psi(N^{N \cdot \omega+N+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,0,0)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(3,0,0)$	$\psi(M(\omega \cdot 2, 0; 0))$ $\psi(N^{N \cdot \omega+N+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,0,0)(3,0,0)$	$\psi(M(\psi(2), 0; 0))$ $\psi(N^{N \cdot \psi(2)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(M(1, 0, 0; 0))$ $\psi(M(1, 0, 1; 0))$ $\psi(N^{N^2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)$	$\psi(M(1, 0, 0; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1, 0, 1; \omega))$ $\psi(N^{N^2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1, 0, 2; \omega))$ $\psi(N^{N^2+1} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(M(1, 1, 1; 0))$ $\psi(N^{N^2+N})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(3,1,0)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1, 1, 1; \omega))$ $\psi(N^{N^2+N} \cdot \omega)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(3,1,0)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(M(1, 2, 1; 0))$ $\psi(N^{N^2+N \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(3,1,0)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(3,1,0)(2,0,0)	$\psi(M(2, 0, 1; 0))$ $\psi(N^{N^2 \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(3,1,0)(3,1,0)(2,0,0)	$\psi(M(1, 0, 0, 1; 0))$ $\psi(N^{N^3})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,0,0)	$\psi(M(1 @ \omega; 0))$ $\psi(N^{N^\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,1,0)(2,0,0)	$\psi(N^{N^N})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,1,0)(5,1,0)(2,0,0)	$\psi(N^{N^{N^N}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1})$ $\psi(\Pi_2 \text{ aft } \Pi_2 - \Pi_2 - \Pi_2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1})$ $\psi(2 \text{ aft } 2 - 2 - 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1} + \psi_N(\Omega_{N+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)(2,0,0)	$\psi(\Omega_{N+1} + \psi_N(\Omega_{N+1}) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)(2,1,0)	$\psi(\Omega_{N+1} + \psi_N(\Omega_{N+1}) \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1} + \psi_N(\Omega_{N+1})^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(1,1,1)(2,1,1)- -(3,1,1)(3,1,1)(3,1,0)(4,2,0)(2,1,0)- -(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1} + \psi_N(\Omega_{N+1})^2 \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)(2,1,0)(2,1,0)	$\psi(\Omega_{N+1} + \psi_N(\Omega_{N+1})^2 \cdot \Omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(2,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1} + \psi_N(\Omega_{N+1})^3)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,1,0)(1,1,1)- -(2,1,1)(3,1,1)(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1} + \psi_N(\Omega_{N+1})^{\psi_N(\Omega_{N+1})})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,0)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)- -(3,2,0)(2,1,0)(3,2,0)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+1} + \psi_{\Omega_{\psi_N(\Omega_{N+1})+1}}(N + \Omega_{\psi_N(\Omega_{N+1})+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,0)(3,2,0)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+1} \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,0)(4,2,0)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+1}^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,0)(4,3,0)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)- -(3,2,1)(4,2,0)(5,3,0)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+\omega+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)- -(3,2,1)(4,2,0)(5,3,1)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+\omega \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+\omega^2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)- -(3,2,1)(4,2,1)(5,1,0)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1})+\Omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,1,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1} + \Omega_{\psi_N(\Omega_{N+1}) \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,0)	$\psi(\Omega_{N+1} + \Omega_{\Omega_{\psi_N(\Omega_{N+1})+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{N+1} + I_{\psi_N(\Omega_{N+1})+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,2,0)(5,3,0)	$\psi(\Omega_{N+1} + I_{\psi_N(\Omega_{N+1})+1} + \Omega_{\psi_{I_{\psi_N(\Omega_{N+1})+1}}(I_{\psi_N(\Omega_{N+1})+1}+1)})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(4,2,1)	$\psi(\Omega_{N+1} + I_{\psi_N(\Omega_{N+1})+1} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,0)(6,3,0)	$\psi(\Omega_{N+1} + \Omega_{I_{\psi_N(\Omega_{N+1})+1}+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,0)(6,3,1)(7,3,1)(8,3,0)(7,0,0)	$\psi(\Omega_{N+1} + I_{\psi_N(\Omega_{N+1})+2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)- -(3,2,1)(4,2,1)(5,2,1)	$\psi(\Omega_{N+1} + I_{\psi_N(\Omega_{N+1})+\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(4,2,1)(5,2,1)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^3 \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(4,2,1)(5,2,1)- -(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^4)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,0,0)(4,2,1)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^\omega \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^{M_{\psi_N(\Omega_{N+1})+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)(5,2,1)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^{M_{\psi_N(\Omega_{N+1})+1}} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)(5,2,1)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^{M_{\psi_N(\Omega_{N+1})+1}} \cdot \omega)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(4,2,1)- -(5,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^{M_{\psi_N(\Omega_{N+1})+1} \cdot 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,0)(5,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^{M_{\psi_N(\Omega_{N+1})+1} \cdot \omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(5,2,0)(4,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^{M_{\psi_N(\Omega_{N+1})+1}^2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,2,0)(4,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+1}^{M_{\psi_N(\Omega_{N+1})+1}^{M_{\psi_N(\Omega_{N+1})+1}}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,0)(6,3,0)	$\psi(\Omega_{N+1} + \Omega_{M_{\psi_N(\Omega_{N+1})+1}+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(\Omega_{N+1} + I_{M_{\psi_N(\Omega_{N+1})+1}+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+2}^3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,1)- -(7,3,1)(8,3,1)(8,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+2}^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,1)(7,3,1)- -(8,3,1)(8,3,0)(7,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+2}^{M_{\psi_N(\Omega_{N+1})+2}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,1)(7,3,1)(8,3,1)- -(8,3,0)(9,3,0)(7,0,0)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+2}^{M_{\psi_N(\Omega_{N+1})+2}^{M_{\psi_N(\Omega_{N+1})+2}}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,0)(6,3,1)(7,3,1)- -(8,3,1)(8,3,0)(9,4,0)	$\psi(\Omega_{N+1} + \Omega_{M_{\psi_N(\Omega_{N+1})+2}+1})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,1)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+\omega})$ $\psi(\Omega_{N+1} + N \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,0)(5,3,0)	$\psi(\Omega_{N+1} + \Omega_{M_{\psi_N(\Omega_{N+1})+\omega+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,0)(5,3,1)(6,3,1)- -(7,3,1)(7,3,0)(8,4,0)	$\psi(\Omega_{N+1} + \Omega_{M_{\psi_N(\Omega_{N+1})+\omega+1+1}})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,0)(5,3,1)- -(6,3,1)(7,3,1)(7,3,1)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+\omega \cdot 2})$ $\psi(\Omega_{N+1} + N \cdot \omega \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,1)(4,2,1)	$\psi(\Omega_{N+1} + M_{\psi_N(\Omega_{N+1})+\omega^2})$ $\psi(\Omega_{N+1} + N \cdot \omega^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,1)(5,2,0)	$\psi(\Omega_{N+1} + M_{\Omega_{\psi_N(\Omega_{N+1})+1}})$ $\psi(\Omega_{N+1} + N \cdot \Omega_{\psi_N(\Omega_{N+1})+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,1)(5,2,0)(3,2,1)- -(4,2,1)(5,2,1)(5,2,1)	$\psi(\Omega_{N+1} + M_{M_{\psi_N(\Omega_{N+1})+\omega}})$ $\psi(\Omega_{N+1} + N \cdot \psi_N(\Omega_{N+1} + N \cdot \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)	$\psi(\Omega_{N+1} + M(1, \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + M(1; \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + N^2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,1)(5,2,0)(4,2,1)	$\psi(\Omega_{N+1} + M(1, \psi_N(\Omega_{N+1}) + 1) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,1)(5,2,0)(6,3,0)	$\psi(\Omega_{N+1} + \Omega_{M(1, \psi_N(\Omega_{N+1})+1)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(4,2,1)(5,2,0)(6,3,1)- -(7,3,1)(8,3,0)(7,0,0)	$\psi(\Omega_{N+1} + I_{M(1, \psi_N(\Omega_{N+1})+1)+1})$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,1)(8,3,0)(9,4,0)$	$\psi(\Omega_{N+1} + \Omega_{M(1, \psi_N(\Omega_{N+1})+1)+1+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,1)(8,3,1)$	$\psi(\Omega_{N+1} + M_{M(1, \psi_N(\Omega_{N+1})+1)+\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,0)(6,3,1)-$ $-(7,3,1)(8,3,1)(8,3,1)-$ $-(7,3,1)(8,3,0)(7,0,0)$	$\psi(\Omega_{N+1} + M(1, \psi_N(\Omega_{N+1}) + 2))$ $\psi(\Omega_{N+1} + M(1; \psi_N(\Omega_{N+1}) + 1) \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(1, \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + M(1; \psi_N(\Omega_{N+1}) + 1) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(4,2,1)-$ $-(5,2,0)(4,0,0)$	$\psi(\Omega_{N+1} + M(2, \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + M(1; \psi_N(\Omega_{N+1}) + 1)^2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{N+1} + M(1, 0, \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + M(1; \psi_N(\Omega_{N+1}) + 1)^{M(1; \psi_N(\Omega_{N+1})+1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)-$ $-(5,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{N+1} + \Omega_{M(1; \psi_N(\Omega_{N+1})+1)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,1)(8,3,1)$	$\psi(\Omega_{N+1} + M_{M(1; \psi_N(\Omega_{N+1})+1)+\omega})$ $\psi(\Omega_{N+1} + N^2 + N \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,1)(8,3,1)-$ $-(7,3,1)(8,3,0)(7,0,0)$	$\psi(\Omega_{N+1} + M(1, M(1; \psi_N(\Omega_{N+1}) + 1) + 1))$ $\psi(\Omega_{N+1} + M(1; \psi_N(\Omega_{N+1}) + 2))$ $\psi(\Omega_{N+1} + N^2 \cdot 2)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,1)-$ $-(8,3,1)(7,3,1)(8,3,1)$	$\psi(\Omega_{N+1} + M(1, M(1; \psi_N(\Omega_{N+1}) + 1) + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,1)(8,3,1)(7,3,1)-$ $-(8,3,1)(8,3,0)(7,0,0)$	$\psi(\Omega_{N+1} + M(1, 0, M(1; \psi_N(\Omega_{N+1}) + 1) + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,0)-$ $-(6,3,1)(7,3,1)(8,3,1)(8,3,1)(7,3,1)-$ $-(8,3,1)(8,3,0)(9,4,0)$	$\psi(\Omega_{N+1} + \Omega_{M(1; \psi_N(\Omega_{N+1})+2)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(1; \psi_N(\Omega_{N+1}) + \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{N+1} + M(1; 1, \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + M(2; \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + N^3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(\Omega_{N+1} + M(1; 1, \psi_N(\Omega_{N+1}) + 1) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(1; 1, \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + M(2; \psi_N(\Omega_{N+1}) + 1) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,1)(5,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{N+1} + M(1; 1, 0, \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + M(2; \psi_N(\Omega_{N+1}) + 1)^{M(2; \psi_N(\Omega_{N+1})+1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,1)(5,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{N+1} + \Omega_{M(2; \psi_N(\Omega_{N+1})+1)+1})$



BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(2; \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + N^3 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(3; \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + N^4 \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)(5,0,0)$	$\psi(\Omega_{N+1} + M(\omega; \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + N^\omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{N+1} + M(1, 0; \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + M(1, 1; \psi_N(\Omega_{N+1}) + 1))$ $\psi(\Omega_{N+1} + N^N)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(5,2,0)(4,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(1, 0; \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + M(1, 1; \psi_N(\Omega_{N+1}) + 1) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(5,2,0)(4,2,1)(5,2,1)-$ $-(5,2,0)(6,3,0)$	$\psi(\Omega_{N+1} + \Omega_{M(1,1;\psi_N(\Omega_{N+1})+1)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(5,2,0)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(1, 1; \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + N^N \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(5,2,0)(4,2,1)(5,2,1)-$ $-(5,2,1)(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(1, 2; \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + N^{N+1} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(5,2,0)(4,2,1)(5,2,1)-$ $-(5,2,1)(5,2,0)(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(2, 1; \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + N^{N \cdot 2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(5,2,1)(5,2,0)(5,2,0)(5,2,0)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + M(1, 0, 0, 1; \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + N^{N^3} \cdot \omega)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(5,2,0)(6,0,0)	$\psi(\Omega_{N+1} + M(1@ \omega; \psi_N(\Omega_{N+1}) + \omega))$ $\psi(\Omega_{N+1} + N^{N^\omega})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(5,2,0)(6,2,0)(4,2,1)- -(5,2,1)(5,2,1)	$\psi(\Omega_{N+1} + N^{N^N} \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(5,2,0)(6,3,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(5,2,0)(6,3,0)(4,2,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}) +$ $\Omega_{\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1})) + 1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(5,2,0)(6,3,0)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)(7,3,1)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}) +$ $M_{\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1})) + \omega})$ $\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}) + N \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(5,2,0)(6,3,0)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)(7,3,1)(7,0,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}) + N^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(5,2,1)(5,2,0)(6,3,0)(4,2,0)- -(5,3,1)(6,3,1)(7,3,1)- -(7,3,1)(7,3,0)(8,4,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)(2,1,1)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + \Omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)- -(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + \psi_N(\Omega_{N+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)- -(1,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,0)- -(4,2,0)(2,1,0)(3,2,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + \Omega_{\psi_N(\Omega_{N+1}) + 1})$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + \psi_N(\Omega_{N+1} + N \cdot \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)-$ $-(5,2,1)(5,2,0)(6,3,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) +$ $\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1})))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + \psi_N(\Omega_{N+1} +$ $\psi_{\Omega_{N+1}}(\Omega_{N+1} + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,0)-$ $-(4,2,0)(2,1,1)(3,1,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + \psi_N(\Omega_{N+1} +$ $\psi_{\Omega_{N+1}}(\Omega_{N+1} + \Omega)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)(5,2,1)(5,2,0)-$ $-(6,3,0)(4,2,1)(5,2,0)(4,0,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) +$ $\psi\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N))(\Omega_{N+1} +$ $\psi_{\Omega_{N+1}}(\Omega_{N+1} + N)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) +$ $\Omega\psi\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N))(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N)) + 1)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) +$ $\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) +$ $\psi\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N))(\Omega_{N+1} +$ $\psi_{\Omega_{N+1}}(\Omega_{N+1} + N)) + \psi_{\Omega_{N+1}}(\Omega_{N+1})))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,2,1)(6,2,1)(6,2,1)(6,2,0)(7,3,0)-$ $-(5,2,1)(6,2,0)(5,0,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) +$ $\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,1)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + \psi_N(\Omega_{N+1} +$ $\psi_{\Omega_{N+1}}(\Omega_{N+1} + N)) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) +$ $\Omega\psi_N(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N)) + 1)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + N \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)- -(6,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + \psi_{\Omega_{N+1}}(\Omega_{N+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(6,2,0)- -(7,3,0)(5,2,1)(6,2,0)(5,0,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) \cdot 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(6,2,0)- -(7,3,0)(5,2,1)(6,2,1)(6,2,0)- -(7,3,1)(8,3,1)(9,3,1)(9,3,1)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) \cdot 2 + N \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,1)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N \cdot 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N \cdot 2 + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,0,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N^2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(2,1,1)(3,1,1)(3,1,1)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N^2 + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(3,1,0)(2,0,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N^3))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1})))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,1)- -(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,1)	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}) + N + 1))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}) \cdot 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N) + N))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + N \cdot 2)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(3,1,0)(4,2,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} +$ $\psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1} +$ $\psi_{\Omega_{N+1}}(\Omega_{N+1} + \psi_{\Omega_{N+1}}(\Omega_{N+1}))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(4,2,0)$	$\psi(\Omega_{N+1} \cdot 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)(5,3,0)$	$\psi(\Omega_{N+2})$ $\psi(2\text{nd } 2 \text{ aft } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)$	$\psi(\Omega_{N+\omega})$ $\psi(1 - 2 \text{ aft } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,0,0)$	$\psi(I_{N+1})$ $\psi(2 \text{ } 1 - 2 \text{ aft } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)$	$\psi(I_{N+\omega})$ $\psi(1 - 2 \text{ } 1 - 2 \text{ aft } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{M_{N+1}+1})$ $\psi(2 \text{ aft } 2 - 2 \text{ aft } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(M_{N+\omega})$ $\psi(N_2 \cdot \omega)$ $\psi(1 - 2 - 2 \text{ aft } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(M(1; N + \omega))$ $\psi(N_2^2 \cdot \omega)$ $\psi(1 - 2 - 2 \text{ } 1 - 2 - 2 \text{ aft } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(6,0,0)$	$\psi(M(\omega; N + \omega))$ $\psi(N_2^\omega)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(6,2,0)(5,2,1)(6,2,1)(6,2,1)$	$\psi(M(1, 1; N + \omega))$ $\psi(N_2^{N_2} \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(6,2,0)(7,3,0)$	$\psi(\Omega_{N_2+1})$ $\psi(2 \text{ aft } 2\text{nd } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)(9,3,1)$	$\psi(M_{N_2+\omega})$ $\psi(1 - 2 - 2 \text{ aft } 2\text{nd } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)-$ $-(6,2,0)(7,3,1)(8,3,1)(9,3,1)-$ $-(9,3,1)(9,3,0)(10,4,0)$	$\psi(\Omega_{N_3+1})$ $\psi(2 \text{ aft } 3\text{rd } 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)$	$\psi(M(1; 0; \omega))$ $\psi(N_\omega)$ $\psi(1 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(M(1; 0; 1, 0))$ $\psi(2 \text{ } 1 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(M(1; 0; 1, \omega))$ $\psi(1 - 2 \text{ } 1 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(M(1; 0; 2, \omega))$ $\psi(1 - 2 \text{ } 1 - 2 \text{ } 1 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(M(1; 0; 1, 0, 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M(1;1;0)+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1; 1; \omega))$ $\psi(1 - 2 - 2 \text{ } 1 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)(3,1,1)$	$\psi(M(1; 2; \omega))$ $\psi(1 - 2 - 2 \text{ } 1 - 2 - 2 \text{ } 1 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Omega_{M(2;0;0)+1})$ $\psi(2 \text{ aft } 2 - 2 - 2 \text{ } 1 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,0)-$ $-(4,2,1)(5,2,1)(6,2,1)(6,2,1)(6,2,1)$	$\psi(M(1; 0; M(2; 0; 0) + \omega))$ $\psi(1 - 2 - 2 - 2 \text{ aft } 2 - 2 - 2 \text{ } 1 - 2 - 2 - 2)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,1)(6,2,1)	$\psi(M(1; 1; M(2; 0; 0) + \omega))$ $\psi(1 - 2 - 2 \ 1 - 2 - 2 - 2 \text{ aft}$ $2 - 2 - 2 \ 1 - 2 - 2 - 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,0)- -(4,2,1)(5,2,1)(6,2,1)(6,2,1)(6,2,1)- -(5,2,1)(6,2,1)(6,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{M(2;0;1)+1})$ $\psi(2 \text{ aft } 2\text{nd } 2 - 2 - 2 \ 1 - 2 - 2 - 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,1)(2,1,1)- -(3,1,1)(3,1,1)(3,1,1)	$\psi(M(2; 0; \omega))$ $\psi(1 - 2 - 2 - 2 \ 1 - 2 - 2 - 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)	$\psi(M(2; 1; \omega))$ $\psi(1 - 2 - 2 \ 1 - 2 - 2 - 2 \ 1 - 2 - 2 - 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,1)	$\psi(M(3; 0; \omega))$ $\psi(1 - 2 - 2 - 2 \ 1 - 2 - 2 - 2 \ 1 - 2 - 2 - 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,1)(3,0,0)	$\psi(M(\omega; 0; 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(3,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(M(1, 0; 0; 0))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,1,1)(3,1,1)	$\psi(M(1, 0; 0; \omega))$ $\psi(M(1, 0; 1; 0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,1,1)(3,1,1)(3,1,1)	$\psi(M(1, 0; 1; \omega))$ $\psi(M(1, 1; 0; 0) \cdot \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,1,1)(3,1,1)- -(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{M(1,1;0;0)+1})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,1,1)- -(3,1,1)(3,1,1)(3,1,1)	$\psi(M(1, 1; 0; \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(2,1,1)(3,1,1)(3,1,1)(3,1,1)	$\psi(M(1, 2; 0; \omega))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)- -(3,1,1)(3,1,0)(2,1,1)(3,1,1)- -(3,1,1)(3,1,1)(3,1,0)(2,0,0)	$\psi(M(2, 0; 0; 0))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(2,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)$	$\psi(M(2, 1; 0; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(3,1,0)(2,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)$	$\psi(M(1, 0, 1; 0; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(3,1,0)(3,1,0)-$ $-(2,1,1)(3,1,1)(3,1,1)(3,1,1)$	$\psi(M(1, 0, 0, 1; 0; \omega))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,0,0)$	$\psi(M(1@ \omega; 0; 0))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi(2 \text{ aft } 2 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(6,2,1)(6,2,1)(6,2,0)(7,3,0)$	$\psi(2 \text{ aft } 2\text{nd } 2 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)$	$\psi(1 - 2 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(1 - 2 \ 1 - 2 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)$	$\psi(1 - 2 - 2 - 2 - 2 \ 1 - 2 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,0,0)$	$\psi((2 - 2 - 2 - 2 \ 1 -)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(2 \ 1 - (2 - 2 - 2 - 2 \ 1 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi((2 - 2 - 2 - 2 \ 1 -)^{(2,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)$	$\psi((2 - 2 - 2 - 2 \ 1 -)^{(1,0,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)(4,0,0)$	$\psi((2 - 2 - 2 - 2 \ 1 -)^{(1@ \omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(2 \text{ aft } 2 - 2 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)$	$\psi(1 - 2 - 2 - 2 - 2 - 2)$



BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)(3,1,1)(3,1,1)$	$\psi(1 - 2 - 2 - 2 - 2 - 2 - 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,0,0)$	$\psi((2-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(2,1,0)(3,2,0)$	$\psi(2 \text{ aft } (2-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,0,0)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,0,0)$	$\psi(2\text{nd } (2-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(2,1,1)$	$\psi(1 - (2-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(2 \text{ } 1 - (2-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(2,1,1)(3,1,1)$	$\psi(1 - 2 \text{ } 1 - (2-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(2,1,1)(3,1,1)(3,1,1)$	$\psi(1 - 2 - 2 \text{ } 1 - (2-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(2,1,1)(3,1,1)(4,0,0)$	$\psi((2-)^{\omega} \text{ } 1 - (2-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,0,0)(3,0,0)$	$\psi(((2-)^{\omega} \text{ } 1-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(3,1,0)(2,0,0)$	$\psi(((2-)^{\omega} \text{ } 1-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,0,0)-$ $-(3,1,0)(2,1,1)(3,1,1)(4,0,0)$	$\psi(((2-)^{\omega} \text{ } 1-)^{(1,1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(3,1,0)(3,1,0)(2,0,0)$	$\psi(((2-)^{\omega} \text{ } 1-)^{(1,0,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(3,1,0)(4,2,0)$	$\psi(2 \text{ aft } (2-)^{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,0,0)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(7,0,0)(6,2,0)(7,3,0)$	$\psi(2 \text{ aft } 2\text{nd } (2-)^{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(3,1,1)$	$\psi(1 - (2-)^{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,0,0)-$ $-(3,1,1)(2,1,1)(3,1,1)(4,0,0)(3,1,1)$	$\psi(1 - (2-)^{\omega+1} \text{ } 1 - (2-)^{\omega+1})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(3,1,1)(3,1,0)(4,2,0)$	$\psi(2 \text{ aft } (2-)^{\omega+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(3,1,1)(3,1,1)$	$\psi(1 - (2-)^{\omega+2})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,0,0)(3,1,1)(4,0,0)$	$\psi((2-)^{\omega \cdot 2})$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)$	$\psi((2-)^{\Omega})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(2,1,1)$	$\psi(1 - (2-)^{(1,0)})$ $\psi((2 \ 1 - (2-)^{(1,0)}) \cdot \omega)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(2,1,1)(3,1,1)$	$\psi(1 - 2 \ 1 - (2-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(2,1,1)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{(1,0)} \ 1 - (2-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,0)(2,0,0)$	$\psi(((2-)^{(1,0)} \ 1-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,0)(4,2,0)$	$\psi(2 \text{ aft } (2-)^{(1,1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,1)$	$\psi(1 - (2-)^{(1,1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,1)(3,1,1)$	$\psi(1 - (2-)^{(1,2)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{(2,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi((2-)^{(1,0,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,0,0)$	$\psi((2-)^{(1@ \omega)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,1,0)(2,0,0)$	$\psi((2-)^{(1@ (1,0))})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(5,2,0)$	$\psi(\Omega_{K+1})$ $\psi(2 \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(5,2,0)$	$\psi(\Omega_{K+1} + \psi_K(\Omega_{K+1}))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(2,1,0)(3,2,0)$	$\psi(\Omega_{K+1} + K)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Omega_{K+1} + K^2 \times \omega)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(6,0,0)	$\psi(\Omega_{K+1} + K^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(6,0,0)(4,2,1)	$\psi(\Omega_{K+1} + K^\omega \times \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(6,0,0)(5,2,1)	$\psi(\Omega_{K+1} + K^{\omega+1} \times \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(6,0,0)(5,2,1)(6,0,0)	$\psi(\Omega_{K+1} + K^{\omega \times 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(6,2,0)	$\psi(\Omega_{K+1} + K^{\psi_K(\Omega_{K+1}+K)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(6,2,0)(4,0,0)	$\psi(\Omega_{K+1} + K^K)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(6,2,0)(4,2,1)	$\psi(\Omega_{K+1} + K^K \times \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)- -(5,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(6,2,0)(4,2,1)(5,2,1)	$\psi(1 - 2 \mid 1 - \{\psi_K(\Omega_{K+1} + K^K \times x)\})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)- -(5,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(6,2,0)(5,2,0)(6,3,0)	$\psi(\Omega_{K+1} + K^{K+1} + K)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(6,2,0)(5,2,1)	$\psi(\Omega_{K+1} + K^{K+1} \times \omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)- -(5,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(6,2,0)(5,2,1)(6,2,0)(4,0,0)	$\psi(\Omega_{K+1} + K^{K \times 2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(6,2,0)(6,2,0)(4,0,0)	$\psi(\Omega_{K+1} + K^{K^2})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(6,2,0)(7,2,0)(4,0,0)	$\psi(\Omega_{K+1} + K^{K^K})$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,0)(3,2,1)- -(4,2,1)(5,2,1)(6,2,0)(7,3,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)- -(5,2,0)(2,1,0)(3,2,1)(4,2,1)- -(5,2,1)(6,2,0)(7,3,0)(4,2,0)(5,3,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1}) + K)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)- -(5,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(6,2,0)(7,3,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,1)(8,3,0)(6,0,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1}) + K^K)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)- -(5,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(6,2,0)(7,3,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,1)(8,3,0)(9,3,0)(6,0,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1}) + K^{K^K})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)- -(5,2,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)- -(6,2,0)(7,3,0)(4,2,0)(5,3,1)- -(6,3,1)(7,3,1)(8,3,0)(9,4,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1}) \times 2)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,1)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(2,1,1)(3,1,1)	$\psi(1 - 2 \mid 1 - \{\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + x)\})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(3,1,0)(4,2,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K) + K)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(3,1,0)(4,2,1)- -(5,2,1)(6,2,1)(7,2,0)(8,3,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K) + \psi_{\Omega_{K+1}}(\Omega_{K+1}))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(3,1,0)(4,2,1)(5,2,1)- -(6,2,1)(7,2,0)(8,3,0)(6,2,0)(7,3,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K) \times 2 + K)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(3,1,1)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(3,1,1)(2,1,1)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K + 2))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(3,1,1)(3,1,0)(4,2,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K \times 2) + K)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(3,1,1)(3,1,1)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K \times 2 + 1))$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,0)(5,2,0)(3,1,1)(4,1,0)(2,0,0)	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K^2))$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,0)(3,1,1)(4,1,0)(3,1,0)(4,2,0)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K^2) + K)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(3,1,1)(4,1,0)(3,1,1)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K^2 + 1))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(3,1,1)(4,1,0)-$ $-(3,1,1)(4,1,0)(2,0,0)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K^2 \times 2))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,0)(3,1,1)(4,1,0)(4,1,0)(2,0,0)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K^3))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,0)(3,1,1)(4,1,0)(5,1,0)(2,0,0)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + K^K))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,0)(3,1,1)(4,1,0)(5,2,0)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1})))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(4,0,0)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} +$ $\psi_{\Omega_{K+1}}(\Omega_{K+1} + 1)))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(4,1,0)(5,2,0)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} +$ $\psi_{\Omega_{K+1}}(\Omega_{K+1}))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(5,1,0)(6,2,0)$	$\psi(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1} +$ $\psi_{\Omega_{K+1}}(\Omega_{K+1} + \psi_{\Omega_{K+1}}(\Omega_{K+1}))))))$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(5,2,0)$	$\psi(\Omega_{K+1} \times 2)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)(6,3,0)$	$\psi(2\text{nd } 2 \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,0)(5,2,1)$	$\psi(1 - 2 \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(7,2,1)$	$\psi(1 - 2 - 2 \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,0,0)$	$\psi((2-)^{\omega} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,0,0)(7,2,1)$	$\psi(1 - (2-)^{\omega+1} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,2,0)(7,2,1)$	$\psi(1 - (2-)^{(1,1)} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,1)(6,2,1)(7,2,1)-$ $-(8,2,0)(7,2,1)(8,2,0)(7,2,1)$	$\psi(1 - (2-)^{(2,1)} \text{ aft } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,2,0)(9,3,0)$	$\psi(2 \text{ aft } 2\text{nd } 3)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,2,0)(9,3,1)-$ $-(10,3,1)(11,3,1)(12,3,0)(13,4,0)$	$\psi(2 \text{ aft } 3\text{rd } 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,0)(3,2,1)(4,2,1)-$ $-(5,2,1)(6,2,0)(7,3,0)$	$\psi(2 \text{ aft } 3 \text{ aft } 1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,2,1)$	$\psi(2\text{nd } 1-3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(2,1,1)$	$\psi(1-1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)$	$\psi(1-2 \ 1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2 \ 1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,1)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{(1,0)} \ 1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,1)(3,1,1)(4,1,0)(2,1,1)$	$\psi(1-(2-)^{(1,0)} \ 1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,1)(3,1,1)(4,1,0)(3,1,1)$	$\psi(1-(2-)^{(1,1)} \ 1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(4,1,0)-$ $-(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{(2,0)} \ 1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(2,1,1)(3,1,1)(4,1,0)(5,2,0)$	$\psi(2 \text{ aft } 3 \ 1-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1-3 \ 1-3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(3,0,0)$	$\psi((3 \ 1-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1-(3 \ 1-)^{(1,1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,0)(4,2,0)$	$\psi(2 \text{ aft } 2-3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(3,1,1)$	$\psi(1-2-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(3,1,1)$	$\psi(1-2-2-3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,1,0)(2,0,0)$	$\psi((2-)^{(1,0)} 3)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(3,1,1)(4,1,0)(3,1,0)(2,0,0)$	$\psi(((2-)^{(1,0)}3\ 1-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,1,0)(3,1,1)$	$\psi(1 - (2-)^{(1,1)}3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,1,0)(5,2,0)$	$\psi(2\ \text{aft}\ 3\ 2 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,1,1)$	$\psi(1 - 3\ 2 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,1,1)(3,1,1)$	$\psi(1 - 2 - 3\ 2 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(3,1,1)(4,1,1)(3,1,1)(4,1,1)$	$\psi(1 - 3\ 2 - 3\ 2 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,0)(2,0,0)$	$\psi((3\ 2-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(4,1,0)(2,1,1)(3,1,1)(4,1,1)$	$\psi(1 - 3\ 1 - (3\ 2-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,0)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,0)(2,0,0)$	$\psi((3\ 2-)^{(1,0)}1 - (3\ 2-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,0)(3,1,0)(2,0,0)$	$\psi(((3\ 2-)^{(1,0)}\ 1-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,0)(3,1,1)$	$\psi(1 - 2 - (3\ 2-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,0)(3,1,1)(4,1,1)$	$\psi(1 - (3\ 2-)^{(1,1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,0)(5,2,0)$	$\psi(2\ \text{aft}\ 3 - 3)$
$(0,0,0)(1,1,1)(2,1,1)-$ $-(3,1,1)(4,1,1)(4,1,1)$	$\psi(1 - 3 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)(2,1,1)$	$\psi(1 - 1 - 3 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(4,1,1)(2,1,1)(3,1,1)(4,1,1)(4,1,1)$	$\psi(3 - 3\ 1 - 3 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)(3,1,1)$	$\psi(1 - 2 - 3 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)(3,1,1)(4,1,1)$	$\psi(1 - 3\ 2 - 3 - 3)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(4,1,1)(3,1,1)(4,1,1)(4,1,1)$	$\psi(1 - 3 - 3\ 2 - 3 - 3)$

BMS	反射 OCF (Buchholz-like)
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(4,1,1)(3,1,1)(4,1,1)- -(4,1,1)(3,1,1)(4,1,1)(4,1,1)	$\psi(1 - 3 - 3 \ 2 - 3 - 3 \ 2 - 3 - 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(4,1,1)(4,1,0)(2,0,0)	$\psi((3 - 3 \ 2 -)^{(1,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)- -(4,1,1)(4,1,0)(3,1,1)(4,1,1)(4,1,1)	$\psi(1 - (3 - 3 \ 2 -)^{(1,1)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(4,1,1)(4,1,0)(5,2,0)	$\psi(2 \text{ aft } 3 - 3 - 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(4,1,1)(4,1,1)	$\psi(1 - 3 - 3 - 3)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(4,1,1)(4,1,1)(4,1,1)	$\psi(1 - 3 - 3 - 3 - 3)$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(4,1,1)(5,0,0)	$\psi((3 -)^\omega)$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(2,0,0)	$\psi((3 -)^{(1,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(2,1,1)	$\psi(1 - (3 -)^{(1,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(2,0,0)	$\psi((3 -)^{(1,0)} \ 1 - (3 -)^{(1,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(3,1,0)(2,0,0)	$\psi(((3 -)^{(1,0)} \ 1 -)^{(1,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(3,1,1)	$\psi(1 - 2 - (3 -)^{(1,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)- -(5,1,0)(3,1,1)(4,1,1)(5,1,0)(2,0,0)	$\psi((3 -)^{(1,0)} \ 2 - (3 -)^{(1,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(4,1,0)(2,0,0)	$\psi(((3 -)^{(1,0)} \ 2 -)^{(1,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(4,1,1)	$\psi(1 - (3 -)^{(1,1)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(4,1,1)(4,1,1)	$\psi(1 - (3 -)^{(1,2)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)- -(5,1,0)(4,1,1)(5,1,0)(2,0,0)	$\psi((3 -)^{(2,0)})$
(0,0,0)(1,1,1)(2,1,1)(3,1,1)- -(4,1,1)(5,1,0)(6,2,0)	$\psi(2 \text{ aft } 4)$
(0,0,0)(1,1,1)(2,1,1)- -(3,1,1)(4,1,1)(5,1,1)	$\psi(1 - 4)$



BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(2,1,1)$	$\psi(1-1-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(2,1,1)(3,1,1)(4,1,1)(5,1,1)$	$\psi(1-4\ 1-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(3,1,0)(4,2,0)$	$\psi(2\text{ aft }2-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(3,1,1)$	$\psi(1-2-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(3,1,1)(4,1,1)(5,1,1)$	$\psi(1-4\ 2-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(4,1,0)(5,2,0)$	$\psi(2\text{ aft }3-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(4,1,1)$	$\psi(1-3-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(4,1,1)(5,1,1)$	$\psi(1-4\ 3-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(5,1,0)(6,2,0)$	$\psi(2\text{ aft }4-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(5,1,1)$	$\psi(1-4-4)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,0,0)$	$\psi((4-)^{\omega})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,0)(2,0,0)$	$\psi((4-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,0)(2,1,1)$	$\psi(1-(4-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,0)(3,1,1)$	$\psi(1-2-(4-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,0)(4,1,1)$	$\psi(1-3-(4-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,0)(5,1,1)$	$\psi(1-(4-)^{(1,1)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(6,1,0)(5,1,1)(6,1,0)(2,0,0)$	$\psi((4-)^{(2,0)})$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,0)(7,2,0)$	$\psi(2\text{ aft }5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)$	$\psi(1-5)$
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)-$ $-(5,1,1)(6,1,1)(7,1,0)(8,2,0)$	$\psi(2\text{ aft }6)$

BMS	反射 OCF (Buchholz-like)
$(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)(6,1,1)(7,1,1)$	$\psi(1-6)$
$(0,0,0)(1,1,1)(2,2,0)$	$\psi(\text{psd}.\Pi_\omega)$ $\psi(\lambda\alpha.\alpha+1-\Pi_0)$

## A.12 BMS vs 稳定 OCF(梅天狸.ver)

本节的结果主要引自 [6,24-28]。

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)$	$\psi(\Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(1,1,1)$	$\psi((\Pi_1-)^{(\min \Pi_1-\Pi_2)} \text{aft } \Pi_\omega)$ $\psi((\lambda\alpha.(\alpha+1)-\Pi_0)+\Omega_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(1,1,1)(2,2,0)$	$\psi(2\text{nd } (\Pi_1-)^{(\min \Pi_\omega)})$ $\psi((\lambda\alpha.(\alpha+1)-\Pi_0)\cdot 2)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)$	$\psi((\Pi_1-)^{(\Pi_1-)^{(\Pi_2 \text{ aft } \Pi_\omega)}})$ $\psi((\lambda\alpha.(\alpha+1)-0)\cdot \Omega)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(2,1,0)(1,1,1)(2,2,0)$	$\psi((\Pi_1-)^{(\Pi_1-)^{(2\text{nd } \Pi_\omega)}})$ $\psi((\lambda\alpha.(\alpha+1)-\Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,0)$	$\psi((\Pi_1-)^{1,0} \text{aft } \Pi_\omega)$ $\psi(\psi_{\Omega_{(\lambda\alpha.(\alpha+1)-\Pi_0)+1}}(0))$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(2,1,0)(3,2,0)(4,2,0)$	$\psi(\Pi_2 \text{aft } \Pi_\omega)$ $\psi(\Omega_{(\lambda\alpha.(\alpha+1)-\Pi_0)+1})$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)$	$\psi(\Pi_1 - \Pi_2 \text{aft } \Pi_\omega)$ $\psi(\Omega_{(\lambda\alpha.(\alpha+1)-\Pi_0)+\omega})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(2,1,0)(3,2,1)(4,2,1)$	$\psi(\Pi_1 - \Pi_1 - \Pi_2 \text{aft } \Pi_\omega)$ $\psi(\Omega_{(\lambda\alpha.(\alpha+1)-\Pi_0)+\omega^2})$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(\Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \text{aft } \Pi_\omega)$ $\psi(I_{(\lambda\alpha.(\alpha+1)-\Pi_0)+\omega})$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)-$ $-(3,2,1)(4,2,1)(5,2,1)(6,2,1)$	$\psi(\Pi_1 - \Pi_3 \text{aft } \Pi_\omega)$ $\psi(K_{(\lambda\alpha.(\alpha+1)-\Pi_0)+\omega})$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)(7,2,1)$	$\psi(\Pi_1 - \Pi_4 \text{aft } \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(2,1,0)(3,2,1)(4,3,0)$	$\psi(2\text{nd } \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,3,0)(4,2,0)(5,3,1)(6,4,0)$	$\psi(3\text{rd } \Pi_\omega)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(2,1,1)$	$\psi(\Pi_1 - \Pi_1 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,0)$	$\psi((\Pi_1 -)^{(\min \Pi_2) \Pi_\omega})$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1) -$ $-(3,1,0)(1,1,1)(2,2,0)$	$\psi((\Pi_1 -)^{(\min \Pi_\omega) \Pi_\omega})$
$(0,0,0)(1,1,1)(2,2,0) -$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi((\Pi_1 -)^{1,0} \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1) -$ $-(3,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\Pi_2 \Pi_1 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 \Pi_1 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0) -$ $-(2,1,1)(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 \Pi_1 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)$	$\psi(\Pi_\omega \Pi_1 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1) -$ $-(3,2,0)(3,1,0)(2,0,0)$	$\psi((\Pi_\omega \Pi_1 -)^\omega \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0) -$ $-(2,1,1)(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1) -$ $-(3,2,0)(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 \Pi_2 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1) -$ $-(3,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_\omega \Pi_2 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1) -$ $-(3,2,0)(3,1,1)(4,2,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0) -$ $-(3,1,1)(4,2,0)(4,1,1)(5,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_4 - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(2,2,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_\omega - \Pi_\omega)$
$(0,0,0)(1,1,1)(2,2,0)(3,0,0)$	$\psi((\Pi_\omega -)^\omega)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,0,0)$	$\psi((\Pi_\omega -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,1,1)$	$\psi(1 - (\Pi_\omega -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0) -$ $-(2,1,1)(3,2,0)(4,1,0)(2,0,0)$	$\psi((\Pi_\omega -)^{1,0} 1 - (\omega -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,1,1) -$ $-(3,2,0)(4,1,0)(2,1,1)(3,1,0)(2,0,0)$	$\psi(((\Pi_\omega -)^{1,0} 1 -)^{1,0} (\Pi_\omega -)^{1,0})$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)-$ $-(2,1,1)(3,2,0)(4,1,0)(3,1,1)$	$\psi(2 - (\Pi_\omega -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,2,0)$	$\psi((\Pi_\omega -)^{1,1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(4,2,0)$	$\psi((\Pi_1 -)^{1,0} \text{ aft } \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,1,1)$	$\psi(\Pi_1 - \Pi_1 - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 \Pi_1 - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(2,1,1)(3,2,0)$	$\psi(\Pi_\omega \Pi_1 - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(2,1,1)(3,2,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} \Pi_1 - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(2,1,1)(3,2,0)(4,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(2,1,1)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,2,0)$	$\psi(\Pi_\omega - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(2,2,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_\omega - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(2,2,0)(3,1,0)(2,0,0)$	$\psi((\Pi_\omega -)^{1,0} \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(2,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} \Pi_\omega - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} - \Pi_{\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,0,0)$	$\psi((\Pi_{\omega+1} -)^\omega)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(4,1,1)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+3})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2})$ $\psi(\lambda\alpha.(\alpha + 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(4,2,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(2,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} \Pi_\omega - \Pi_{\omega \cdot 2})$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(2,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} \Pi_{\omega} - \Pi_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(4,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} - \Pi_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(4,2,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+2} - \Pi_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(4,1,1)(5,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+3} - \Pi_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(4,2,0)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} - \Pi_{\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(5,1,1)(6,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,1,1)(6,2,0)$	$\psi(\Pi_{\omega \cdot 3})$ $\psi(\lambda \alpha.(\alpha + 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2})$ $\psi(\lambda \alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(2,1,1)(3,2,0)(4,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_{\omega^2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)$	$\psi(\Pi_{\omega} - \Pi_{\omega^2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(2,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} - \Pi_{\omega^2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(2,2,0)(3,1,1)(4,2,0)(5,2,0)-$ $-(4,2,0)(5,1,1)(6,2,0)$	$\psi(\Pi_{\omega \cdot 3} - \Pi_{\omega^2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2} - \Pi_{\omega^2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,0,0)$	$\psi((\Pi_{\omega^2} -)^{\omega})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(3,1,0)(2,0,0)$	$\psi((\Pi_{\omega^2} -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+1})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega^2+\omega})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,1)(4,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+\omega+1})$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,1)(4,2,0)(5,1,1)(6,2,0)$	$\psi(\Pi_{\omega^2+\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)$	$\psi(\Pi_{\omega^2 \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,2,0)$	$\psi(\Pi_{\omega^3})$ $\psi(\lambda\alpha.(\alpha + \omega^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(3,2,0)(3,2,0)$	$\psi(\Pi_{\omega^4})$ $\psi(\lambda\alpha.(\alpha + \omega^3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,0,0)$	$\psi(\Pi_{\omega^\omega})$ $\psi(\lambda\alpha.(\alpha + \omega^\omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,0,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^\omega})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,0,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_{\omega^\omega})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(2,2,0)(3,2,0)(4,0,0)$	$\psi(\Pi_{\omega^\omega} - \Pi_{\omega^\omega})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,0,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(3,1,1)(4,2,0)(5,2,0)$	$\psi(\Pi_{\omega^\omega+\omega^2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,0,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,0,0)$	$\psi(\Pi_{\omega^\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,0,0)(3,2,0)$	$\psi(\Pi_{\omega^\omega+1})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(3,2,0)(3,2,0)$	$\psi(\Pi_{\omega^\omega+2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(3,2,0)(4,0,0)$	$\psi(\Pi_{\omega^\omega \cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,0,0)(4,0,0)$	$\psi(\Pi_{\omega^{\omega^2}})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,0,0)(5,1,0)$	$\psi(\Pi_{\psi(0)})$ $\psi(\lambda\alpha.(\alpha + \varepsilon_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(5,1,1)(6,2,0)$	$\psi(\Pi_{\psi(\Pi_\omega)})$ $\psi(\lambda\alpha.(\alpha + \psi(\lambda\alpha.(\alpha + 1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{\Pi_2})$ $\psi(\lambda\alpha.(\alpha + \Omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(1,1,1)$	$\psi(\Pi_{\Pi_1 - \Pi_2})$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(1,1,1)(2,2,0)$	$\psi(\Pi_{\Pi_\omega})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{\Pi_\Omega})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi(\alpha \rightarrow \Pi_\alpha)$ $\psi(\Pi_{1,0})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,1,0)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \text{ aft } \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,0)(5,3,0)(6,1,0)$	$\psi(\lambda\alpha.(\alpha + \Omega) - \Pi_0 \text{ aft } \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,0)(5,3,0)(6,1,0)-$ $-(1,1,1)(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha + \lambda\alpha.(\alpha \cdot 2)$ $- \Pi_0) - \Pi_0 \text{ aft } \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,1,0)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(4,0,0)$	$\psi(2\text{nd } \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 \text{ aft } \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,1,1)$	$\psi(1 - (\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,1,1)(3,1,1)$	$\psi(1 - 2 \text{ } 1 - (\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,1,1)(3,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \text{ } 1 - (\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$ $\psi(\Pi_\omega \text{ } \Pi_1 - \Pi_{1,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,1,1)(3,2,0)(4,2,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 \text{ } 1 - (\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,1,1)(3,2,0)(4,2,0)(5,1,0)(3,1,1)$	$\psi(1 - 2 - (\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,2,0)$	$\psi((\lambda\alpha.(\alpha + 1) - \Pi_0) - (\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$ $\psi(\Pi_\omega - \Pi_{1,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\alpha + 1) - \Pi_1) \text{ } (\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0)(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $-(\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\alpha + 1) - \Pi_1)$ $-(\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(4,2,0)$	$\psi((\lambda\alpha.(\alpha+2)-\Pi_0)$ $-(\lambda\alpha.(\alpha\cdot 2)-\Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,2,0)$	$\psi((\lambda\alpha.(\alpha+\omega)-\Pi_0)-(\lambda\alpha.(\alpha\cdot 2)-\Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,2,0)(3,2,0)$	$\psi((\lambda\alpha.(\alpha+\omega^2)-\Pi_0)-(\lambda\alpha.(\alpha\cdot 2)-\Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,2,0)(4,1,0)$	$\psi((\lambda\alpha.(\alpha+\Omega)-\Pi_0)-(\lambda\alpha.(\alpha\cdot 2)-\Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,1)(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha+\lambda\alpha.(\alpha\cdot 2)-\Pi_0)-\Pi_0)-(\lambda\alpha.(\alpha\cdot 2)-\Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,2,0)(3,2,0)(4,1,0)(1,1,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha+(\lambda\alpha.(\alpha+\Omega)-\Pi_0)$ $-(\lambda\alpha.(\alpha\cdot 2)-\Pi_0))-\Pi_0)-(\lambda\alpha.(\alpha\cdot 2)-\Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha\cdot 2)-\Pi_0)$ $-(\lambda\alpha.(\alpha\cdot 2)-\Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(3,0,0)$	$\psi((\lambda\alpha.(\alpha\cdot 2)-\Pi_0)^\omega)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha\cdot 2)-\Pi_0)^{1,0})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(3,1,1)$	$\psi(1-(\lambda\alpha.(\alpha\cdot 2)-\Pi_1))$ $\psi(\Pi_1-\Pi_{1,1})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,1,1)$	$\psi(1-(\lambda\alpha.(\alpha\cdot 2)-\Pi_2))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\alpha\cdot 2+1)-\Pi_0)$ $\psi(\Pi_{1,\omega})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)(5,1,1)(6,2,0)$	$\psi(\lambda\alpha.(\alpha\cdot 2+2)-\Pi_0)$ $\psi(\Pi_{1,\omega\cdot 2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\alpha\cdot 2+\omega)-\Pi_0)$ $\psi(\Pi_{1,\omega^2})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\alpha\cdot 2+\omega^2)-\Pi_0)$ $\psi(\Pi_{1,\omega^3})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)$	$\psi(\lambda\alpha.(\alpha\cdot 2+\Omega)-\Pi_0)$ $\psi(\Pi_{1,\Omega})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(1,1,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha\cdot 2+\lambda\alpha.(\alpha\cdot 2)-\Pi_0)-\Pi_0)$ $\psi(\Pi_{1,\Pi_{1,0}})$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(1,1,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(1,1,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 2 + \lambda\alpha.(\alpha \cdot 2$ $+ \lambda\alpha.(\alpha \cdot 2) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\Pi_{1,\Pi_1,\Pi_{1,0}})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 3) - \Pi_0)$ $\psi(\Pi_{2,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)-$ $-(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha \cdot 3) - \Pi_0) - (\lambda\alpha.(\alpha \cdot 3) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(5,1,1)$	$\psi(1 - (\lambda\alpha.(\alpha \cdot 3) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)(5,2,0)-$ $-(6,1,0)(5,1,1)(6,2,0)$	$\psi(\lambda\alpha.(\alpha \cdot 3 + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)(5,2,0)(6,1,0)-$ $-(5,1,1)(6,2,0)(7,2,0)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 4) - \Pi_0)$ $\psi(\Pi_{3,0})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(3,2,0)$	$\psi(\lambda\alpha.(\alpha \cdot \omega) - \Pi_0)$ $\psi(\Pi_{\omega,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\alpha \cdot \omega) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\alpha \cdot \omega + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot \omega + \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\alpha \cdot \omega \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\alpha \cdot \omega^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot \omega^\omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)$	$\psi(\lambda\alpha.(\alpha \cdot \Omega) - \Pi_0)$ $\psi(\Pi_{\Pi_2,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(4,1,0)(1,1,1)(2,2,0)$	$\psi(\lambda\alpha.(\alpha \cdot \lambda\alpha.(\alpha + 1) - \Pi_0) - \Pi_0)$ $\psi(\Pi_{\Pi_\omega,0})$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(1,1,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot \lambda\alpha.(\alpha \cdot 2) - \Pi_0) - \Pi_0)$ $\psi(\Pi_{\Pi_1,0,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(4,1,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(1,1,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot \lambda\alpha.(\alpha \cdot \lambda\alpha.(\alpha \cdot 2) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\Pi_{\Pi_{\Pi_1,0,0},0,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^2) - \Pi_0)$ $\psi(\Pi_{1,0,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\alpha^2) - \Pi_1))$ $\psi(\Pi_1 - \Pi_{1,0,1})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(4,1,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\alpha^2 + 1) - \Pi_0)$ $\psi(\Pi_{1,0,\omega})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^2 + \alpha) - \Pi_0)$ $\psi(\Pi_{1,1,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^2 \cdot 2) - \Pi_0)$ $\psi(\Pi_{2,0,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(3,2,0)$	$\psi(\lambda\alpha.(\alpha^2 \cdot \omega) - \Pi_0)$ $\psi(\Pi_{\omega,0,0})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(4,1,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^3) - \Pi_0)$ $\psi(\Pi_{1,0,0,0})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(4,0,0)$	$\psi(\lambda\alpha.(\alpha^\omega) - \Pi_0)$ $\psi(\Pi_{1\otimes\omega})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^\alpha) - \Pi_0)$ $\psi(\Pi_{1\otimes(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(4,1,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^{\alpha+1}) - \Pi_0)$ $\psi(\Pi_{1\otimes(1,1)})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^{\alpha^2}) - \Pi_0)$ $\psi(\Pi_{1\otimes(2,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(4,1,0)(4,0,0)$	$\psi(\lambda\alpha.(\alpha^{\alpha \cdot \omega}) - \Pi_0)$ $\psi(\Pi_{1\otimes(\omega,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^{\alpha^2}) - \Pi_0)$ $\psi(\Pi_{1\otimes(1,0,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^{\alpha^\alpha}) - \Pi_0)$ $\psi(\Pi_{1\otimes(1\otimes(1,0))})$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,1,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha^{\alpha^{\alpha}}) - \Pi_0)$ $\psi(\Pi_1 \otimes (1 \otimes (1 \otimes (1,0))))$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\varepsilon_{\alpha+1}) - \Pi_0)$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$ $\psi(\Pi_1 \otimes (1 \otimes (1 \otimes (\dots))))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) + \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(7,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) \cdot \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)^{\psi_{\Omega_{\alpha+1}}(0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\omega)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(6,1,0)(7,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$ $\psi(\lambda\alpha.(\zeta_{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(6,2,0)(7,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}^{\Omega_{\alpha+1}})) - \Pi_0)$ $\psi(\lambda\alpha.(\Gamma_{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+2}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(6,3,0)(7,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+2})) - \Pi_0)$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(2 \text{ aft } \Omega_{\alpha+1})) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(5,2,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1 - 2 \text{ aft } \Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(I_{\alpha+\omega})) - \Pi_0)$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1 - 2 \text{ 1} - 2 \text{ aft } \Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,1)(8,2,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(K_{\alpha+\omega})) - \Pi_0)$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1 - 3 \text{ aft } \Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta + 1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta + \alpha) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,1,0)(9,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta + \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta + \Omega_{\alpha+1}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)(5,2,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta + \Omega_{\alpha+\omega}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta \cdot 2) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,1)(6,3,0)(7,3,0)(8,2,0)-$ $-(6,3,0)(7,3,0)(8,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta \cdot 3) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)-$ $-(7,3,0)(8,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta^2) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,1)(6,3,0)(7,3,0)-$ $-(8,2,0)(8,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta^\beta) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)(9,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\psi_{\Omega_{\beta+1}}(0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,1)(6,3,0)(7,3,0)-$ $-(8,2,0)(9,3,0)(10,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\Omega_{\beta+1})) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)(9,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\Omega_{\beta+\omega})) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,1)(6,3,0)(7,3,0)-$ $-(8,2,0)(9,3,1)(10,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\gamma.(\gamma + 1) - \Pi_0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)(9,3,1)-$ $-(10,4,0)(11,4,0)(12,3,0)(10,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\gamma.(\gamma \cdot 2) - \Pi_0)) - \Pi_0)) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$ $\psi(\lambda\alpha.(2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(2,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(2,2,0)$	$\psi((\lambda\alpha.(\alpha + 1) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(2,2,0)(3,2,0)$	$\psi((\lambda\alpha.(\alpha + \omega) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(2,2,0)(3,2,0)(4,1,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(3,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 -)^\omega)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_3))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(5,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha+1} + \alpha \cdot 2) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(5,1,1)-$ $-(6,2,0)(7,2,0)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,2,0)-$ $-(6,1,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,2,0)-$ $-(6,1,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha^\alpha) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(7,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,2,0)-$ $-(6,1,0)(7,2,0)(7,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,2,0)-$ $-(6,1,0)(7,2,0)(8,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(7,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,2,0)-$ $-(6,1,0)(7,2,1)(8,3,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta + 1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,2,0)(6,1,0)-$ $-(7,2,1)(8,3,0)(9,3,0)(10,2,0)(8,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta \cdot 2) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)-$ $-(7,2,1)(8,3,0)(9,3,0)(10,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)-$ $-(7,2,1)(8,3,0)(9,3,0)(10,2,1)(9,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(1 - (\lambda\beta.(\Omega_{\beta+1}) - \Pi_2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(7,2,1)-$ $-(8,3,0)(9,3,0)(10,2,1)(9,2,1)-$ $-(10,3,0)(11,3,0)(12,2,0)(8,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta+1} + \beta) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(7,2,1)-$ $-(8,3,0)(9,3,0)(10,2,1)(9,2,1)-$ $-(10,3,0)(11,3,0)(12,2,0)(13,3,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta+1}$ $+ \psi_{\Omega_{\beta+1}}(0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,1)-$ $-(5,1,1)(6,2,0)(7,2,0)(8,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(3,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \alpha) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,2,0)(4,1,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,0)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,2,0)(4,1,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta+1}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,0)(5,2,1)-$ $-(6,3,0)(7,3,0)(8,2,1)(7,3,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta+1} \cdot \omega) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,2,0)(4,1,0)(5,2,1)(6,3,0)(7,3,0)-$ $-(8,2,1)(7,3,0)(8,2,0)(9,3,1)(10,4,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta+1} \cdot \psi_{\Omega_{\beta+1}}(\lambda\gamma.(\gamma+1) - \Pi_0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,2,0)(4,1,1)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(4,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^\omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\psi_{\Omega_{\alpha+1}}(0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,1,1)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\Omega_{\alpha+1}^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\Omega_{\alpha+1}^\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\Omega_{\alpha+1}^{\Omega_{\alpha+1}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,0)(6,2,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,0)(6,2,0)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^\alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,2,0)(7,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+1}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,0)(6,2,0)(7,1,1)(8,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\psi_{\Omega_{\alpha+2}}(0)})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,2,0)(7,1,1)-$ $-(8,2,0)(9,2,0)(10,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+1}})})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+2}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+2}^{\Omega_{\alpha+2}}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+3})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,3,1)(4,3,1)(5,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(I_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\beta+\alpha) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,0)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\beta \cdot 2) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,0)(7,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\psi_{\Omega_{\beta+1}}(0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\Omega_{\beta+1}^{\Omega_{\beta+1}}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,3,1)(4,4,0)(5,5,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\psi_{\Omega_{\beta+2}}(0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,5,1)(6,6,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\lambda\gamma.(\gamma+1) - \Pi_0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(2,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)$	$\psi((\lambda\alpha.(\alpha + 1) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)$	$\psi((\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(0)) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,2,0)(7,2,0)$	$\psi((\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+2}})) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)(6,3,1)$	$\psi((\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+\omega})) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1) -$ $-(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_2))$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(7,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \Omega_{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,1)(7,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(0)) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,0)(8,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)- -(4,2,0)(5,2,0)(6,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+2}})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,0)(5,3,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(0))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,0)- -(5,3,1)(6,4,0)(7,4,0)(8,3,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)- -(4,2,0)(5,3,1)(6,4,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\beta.(\Omega_{\beta+2}) - \Pi_1)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)- -(4,2,0)(5,3,1)(6,4,1)(6,4,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}((\lambda\beta.(\beta + 1) - \Pi_0) - (\lambda\beta.(\Omega_{\beta+2}) - \Pi_1))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)(4,2,0)- -(5,3,1)(6,4,1)(6,4,0)(7,4,0)(8,3,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}((\lambda\beta.(\Omega_{\beta+1}) - \Pi_1) - (\lambda\beta.(\Omega_{\beta+2}) - \Pi_1))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,0)(5,3,1)- -(6,4,1)(6,4,0)(7,4,0)(8,3,1)(9,4,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}((\lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - (\lambda\beta.(\Omega_{\beta+2}) - \Pi_1))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,0)- -(5,3,1)(6,4,1)(6,4,0)(7,4,0)- -(8,3,1)(9,4,1)(7,3,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(1 - (\lambda\beta.(\Omega_{\beta+2}) - \Pi_2))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)(4,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(3,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega^2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \alpha) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,0)(5,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \Omega_{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(4,1,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(4,1,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^{\Omega_{\alpha+2}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(5,1,1)(6,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^{\Omega_{\alpha+2}^{\Omega_{\alpha+2}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,0)-$ $-(6,2,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(5,2,0)(6,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}^2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,0)-$ $-(6,2,0)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}^\alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,0)-$ $-(6,2,0)(7,1,1)(8,2,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}^{\Omega_{\alpha+2}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(5,2,0)(6,2,0)(7,1,1)-$ $-(8,2,1)(8,2,0)(9,2,0)(10,1,1)(11,2,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}^{\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}^{\Omega_{\alpha+2}})})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}^{\Omega_{\alpha+3}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+4}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(2,2,0)(3,3,1)(4,4,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\beta.(\Omega_{\beta+2}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+4}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0))$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)$	$\psi((\lambda\alpha.(\alpha+1) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1) - (\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)(6,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)-$ $-(6,0,0)(3,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0 -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)-$ $-(6,0,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)(6,0,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} + \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)(6,0,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} + \Omega_{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)-$ $-(6,0,0)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} + \Omega_{\alpha+2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)-$ $-(3,1,1)(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)(3,1,1)-$ $-(4,2,1)(5,0,0)(4,2,0)(5,2,0)(6,1,1)-$ $-(7,2,1)(8,0,0)(5,1,1)(6,2,1)(7,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)(3,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)-$ $-(6,0,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot \alpha) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(3,0,0)- -(2,2,0)(3,2,0)(4,1,1)- -(5,2,1)(6,0,0)(3,2,0)(4,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot \Omega_{\alpha+1}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)- -(2,2,0)(3,2,0)(4,1,1)(5,2,1)- -(6,0,0)(3,2,0)(4,1,1)(5,2,1)(6,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}^2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)- -(2,2,0)(3,2,0)(4,1,1)(5,2,1)- -(6,0,0)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}^\alpha) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,0,0)(4,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}^{\Omega_{\alpha+1}}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)- -(2,2,0)(3,2,0)(4,1,1)(5,2,1)- -(6,0,0)(4,1,1)(5,2,1)(6,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}^{\Omega_{\alpha+\omega}}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,0,0)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(0)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)- -(2,2,0)(3,2,0)(4,1,1)(5,2,1)- -(6,0,0)(5,2,0)(6,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega+1})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,0,0)(5,2,0)- -(6,2,0)(7,1,1)(8,2,1)(9,0,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega+1}^{\Omega_{\alpha+\omega}})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)- -(2,2,0)(3,2,0)(4,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega+1}^{\Omega_{\alpha+\omega+1}})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)- -(3,0,0)(2,2,0)(3,3,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\psi_{\Omega_{\alpha+\omega+2}}(0))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)- -(2,2,0)(3,3,1)(4,4,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega+1}) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,1)- -(3,0,0)(2,2,1)(2,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega+2}) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,1)- -(3,0,0)(2,2,1)(3,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega \cdot 2}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,1,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+\Omega}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,1,1)	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0))$
(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)	$\psi((\lambda\alpha.(\alpha+1) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0))$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0) - (\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,1,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,1,0)(3,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2} \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)-$ $-(6,1,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2} \cdot \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)-$ $-(6,1,0)(4,1,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2}^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\Omega_{\alpha \cdot 2+1}^{\Omega_{\alpha \cdot 2+1}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,3,1)(4,4,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+2}) - \Pi_1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,3,1)(4,4,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\alpha}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,3,1)(4,4,1)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\Omega_{\alpha+1}}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,3,1)(4,4,1)(5,1,1)-$ $-(6,2,1)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\Omega_{\alpha \cdot 2}}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,3,1)(4,4,1)(5,1,1)-$ $-(6,2,1)(7,1,0)(6,2,0)(7,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\psi_{\Omega_{\alpha \cdot 2+1}}(0)} - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,3,1)(4,4,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\Omega_{\alpha \cdot 2+1}}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,3,1)(4,4,1)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\psi_{\Omega_{\alpha \cdot 2+2}}(0)} - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,3,1)(4,4,1)(5,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\Omega_{\alpha \cdot 2+2}}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,3,1)(4,4,1)(5,3,0)(3,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\Omega_{\alpha \cdot 2+\omega}}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,3,1)(4,4,1)(5,3,0)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha' \cdot 2}) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2+1}) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,0)(2,2,1)(3,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2 + \omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 3}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(3,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot \omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha^\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,0)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\beta+1)-\Pi_0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,0)(4,2,1)(5,3,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta+1})-\Pi_1)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,1)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta+\alpha})-\Pi_0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,1)(6,2,0)(5,0,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\beta \cdot 2})-\Pi_0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,1)(6,2,0)(7,3,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\psi_{\Omega_{\beta+1}}(0)})-\Pi_0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(4,2,1)-$ $-(5,3,1)(6,2,0)(7,3,1)(8,4,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(\lambda\beta.(\Omega_{\psi_{\Omega_{\beta+1}}(\lambda\gamma.(\Omega_{\gamma+1})-\Pi_1)})-\Pi_0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,1)(2,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}+\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,1)(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1} \cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1} \cdot \alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,1)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,0)(5,3,1)(6,4,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\Omega_{\beta+1})-\Pi_1)}) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,0)(5,3,1)(6,4,1)(7,3,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\Omega_{\Omega_{\beta+1}})-\Pi_0))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,0)-$ $-(5,3,1)(6,4,1)(7,3,1)(8,4,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\lambda\beta.(\Omega_{\psi_{\Omega_{\beta+1}}(0)})-\Pi_0))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+2}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+3}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+\omega}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha\cdot 2}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,0)(6,2,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\psi_{\Omega_{\alpha+1}}(0)}}-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\Omega_{\alpha+1}}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,1)(6,2,1)(7,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\Omega_{\Omega_{\alpha+1}}}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(0))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+1})-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\omega})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\Omega_{\alpha+1}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\Omega_{\alpha+2}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\Omega_{\alpha\cdot 2}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,1,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\Omega_{\Omega_{\alpha+1}}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)\cdot 2})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)\cdot 3})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)\cdot \alpha})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)\cdot \Omega_{\alpha+1}})-\Pi_0)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)-$ $-(5,2,0)(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\psi_{I_{\alpha+1}}(0)+1}}(0)} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\psi_{I_{\alpha+1}}(0)+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,0)-$ $-(4,2,1)(5,1,1)(6,2,1)(7,2,0)(6,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\psi_{I_{\alpha+1}}(0)+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,2,0)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\omega)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,1,1)(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\psi_{I_{\alpha+1}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,2,0)(3,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,2,0)(3,1,1)-$ $-(4,2,1)(5,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,2,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,0)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^{\Omega_{\alpha+1}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^{I_{\alpha+1}})) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\psi_{\Omega_{I_{\alpha+1}+1}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,0)(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\Omega_{I_{\alpha+1}+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,3,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\Omega_{I_{\alpha+1}+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(4,3,1)(5,3,1)(6,3,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,0)(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(4,3,1)(5,4,1)(6,4,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\lambda\beta.(\psi_{I_{\beta+1}}(0)) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+\psi_{I_{\alpha+1}}(0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}\cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,1)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}\cdot\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,1)-$ $-(4,1,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{I_{\alpha+1}}}(0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{I_{\alpha+1}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,1)-$ $-(4,2,1)(5,1,1)(6,2,1)(7,2,1)(6,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\Omega_{I_{\alpha+1}}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(I_{\alpha+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(\psi_{\Omega_{I_{\alpha+2}+1}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,2,0)(4,3,1)(5,3,1)(6,3,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(I_{\alpha+\omega})) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+3}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I_{\alpha \cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)$	$\psi(\lambda\alpha.(I_{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(I_{\Omega_{\alpha+2}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(I_{\psi_{I_{\alpha+1}}(0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(I_{I_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(I_{I_{\alpha+2}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)-$ $-(4,2,1)(5,2,1)(5,1,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(I_{I_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,2,0)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{I(1,\alpha+1)}(0)+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,0)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\psi_{I(1,\alpha+1)}(0)+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,0)(2,2,1)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(\omega)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,2,0)(3,1,1)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(\Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,0)-$ $-(3,1,1)(4,2,1)(5,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(\psi_{I(1,\alpha+1)}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(I(1, \alpha + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(\psi_{\Omega_{I(1,\alpha+1)+1}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(1, \alpha + 1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(2,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(1, \alpha + 2)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I(1, \alpha \cdot 2)) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,2,1)(3,1,1)$	$\psi(\lambda\alpha.(I(1, \Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(3,1,1)(4,2,1)(5,2,1)(5,2,1)$	$\psi(\lambda\alpha.(I(1, I(1, \alpha + 1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(2, \alpha+1)}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(2, \alpha + 1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,0,0)$	$\psi(\lambda\alpha.(I(\omega, \alpha + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I(\alpha, 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,1,0)(3,2,1)$	$\psi(\lambda\alpha.(I(\alpha + 1, 0)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,1,0)(3,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I(\alpha \cdot 2, 0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(I(\psi_{\Omega_{\alpha+1}}(0), 0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,1,1)$	$\psi(\lambda\alpha.(I(\Omega_{\alpha+1}, 0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,1,1)(5,2,1)(6,2,1)(7,1,1)$	$\psi(\lambda\alpha.(I(I(\Omega_{\alpha+1}, 0), 0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,0,\alpha+1)}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\psi_{I(1,0,\alpha+1)}(0)+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(1, \psi_{I(1,0,\alpha+1)}(0) + 1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,0)-$ $-(2,2,1)(3,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I(\alpha, \psi_{I(1,0,\alpha+1)}(0) + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)(4,1,1)$	$\psi(\lambda\alpha.(I(\Omega_{\alpha+1}, \psi_{I(1,0,\alpha+1)}(0) + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)(4,1,1)-$ $-(5,2,1)(6,2,1)(7,2,0)$	$\psi(\lambda\alpha.(I(\psi_{I(1,0,\alpha+1)}(0), 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,0,\alpha+1)}(1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{I(1,0,\alpha+1)}(\alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,1,1)(4,2,1)(5,2,1)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,0,\alpha+1)}(\psi_{I(1,0,\alpha+1)}(0))) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,0,\alpha+1)}(I(1,0,\alpha+1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(I(1,0,\alpha+1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,0)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,1,\alpha+1)}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(1,1,\alpha+1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I(1,\alpha,1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{I(2,0,\alpha+1)}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,2,1)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(I(2,0,\alpha+1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,0)(4,0,0)$	$\psi(\lambda\alpha.(I(\omega,0,\alpha+1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I(\alpha,0,1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,0,0,\alpha+1)}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(I(1,0,0,\alpha+1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,0)-$ $-(4,2,0)(3,2,1)(4,2,0)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(I(2,0,0,\alpha+1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)(4,0,0)$	$\psi(\lambda\alpha.(I(\omega,0,0,\alpha+1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(I(1,0,0,0,\alpha+1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,0)(5,0,0)$	$\psi(\lambda\alpha.(I(1@ \omega, \alpha+1@ 0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I(1@ \alpha, 1@ 0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(I(1@ (1,0), \alpha+1@ 0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\psi_{M_{\alpha+1}}(\varepsilon_{M_{\alpha+1}})) - \Pi_0)$ $\psi(\lambda\alpha.(\psi_{M_{\alpha+1}}(\psi_{\Omega_{M_{\alpha+1}+1}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(5,3,0)(6,3,0)$	$\psi(\lambda\alpha.(\psi_{M_{\alpha+1}}(\Omega_{M_{\alpha+1}+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,3,1)(6,3,1)$	$\psi(\lambda\alpha.(\psi_{M_{\alpha+1}}(M_{\alpha+\omega})) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{M_{\alpha+1}+1}) - \Pi_1)$ $\psi(\lambda\alpha.(2 \text{ aft } 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{M_{\alpha+1}+1}) - \Pi_1)$ $\psi(\lambda\alpha.(2 \text{ } 1 - 2 \text{ aft } 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(M_{\alpha+2}) - \Pi_1)$ $\psi(\lambda\alpha.(2\text{nd } 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(3,0,0)$	$\psi(\lambda\alpha.(M_{\alpha+\omega}) - \Pi_0)$ $\psi(\lambda\alpha.(1 - 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(3,1,1)$	$\psi(\lambda\alpha.(M_{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,1,1)(4,2,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(M_{M_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{M(1,\alpha+1)}(0)) - \Pi_0)$ $\psi(\lambda\alpha.((1-)^{1,0} 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(3,2,1)$	$\psi(\lambda\alpha.(M(1, \alpha + 1)) - \Pi_1)$ $\psi(\lambda\alpha.(2 \text{ } 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{M(1,0,\alpha+1)}(0)) - \Pi_0)$ $\psi(\lambda\alpha.((2 \text{ } 1 -)^{1,0} 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(M(1, 0, \alpha + 1)) - \Pi_1)$ $\psi(\lambda\alpha.((2 \text{ } 1 -)^{1,1} 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(M(1; \alpha + 1)) - \Pi_1)$ $\psi(\lambda\alpha.(2 - 2 \text{ } 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,1)(3,2,1)$	$\psi(\lambda\alpha.(M(1; 1, \alpha + 1)) - \Pi_1)$ $\psi(\lambda\alpha.(2 \text{ } 1 - 2 - 2 \text{ } 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(M(2; \alpha + 1)) - \Pi_1)$ $\psi(\lambda\alpha.(2 - 2 \text{ } 1 - 2 - 2 \text{ } 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(M(\alpha; 1)) - \Pi_0)$ $\psi(\lambda\alpha.((2 - 2 \text{ } 1 -)^{\alpha} 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(M(1, 0; \alpha + 1)) - \Pi_1)$ $\psi(\lambda\alpha.((2 - 2 \text{ } 1 -)^{1,0} 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\psi_{N_{\alpha+1}}(\psi_{\Omega_{N_{\alpha+1}+1}}(0))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(N_{\alpha+1}) - \Pi_1)$ $\psi(\lambda\alpha.(2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - 2 \text{ aft } 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ aft } 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(4,2,1)(2,2,1)(3,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2\text{nd } 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(3,0,0)$	$\psi(\lambda\alpha.(1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ } 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(4,2,1)(3,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 \text{ } 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2 - 2 - 2 \text{ } 1 -)^{1,0} 2 - 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.((2-)^{\omega} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.((2-)^{1,0} \text{ aft } \alpha) - \Pi_0)$ $\psi(\lambda\alpha.(\psi_{K_{\alpha+1}}(0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ aft } \alpha) - \Pi_2)$ $\psi(\lambda\alpha.(K_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(2,2,1)(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(2\text{nd } 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ } 1 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ } 2 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,0,0)$	$\psi(\lambda\alpha.((3-)^{\omega} \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(4 \text{ aft } \alpha) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(5 \text{ aft } \alpha) - \Pi_4)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0[\alpha + 1]) - \Pi_0)$ $\psi(\lambda\alpha.(\Pi_{\omega} \text{ aft } \alpha) - \Pi_0)$ $\psi(2 - \pi - (+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)$	$\psi((\lambda\alpha.(\alpha + 1) - \Pi_0) - (\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0))$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(2,2,0)(3,2,0)(4,1,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1) - (\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)(6,3,0)$	$\psi((\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$ $-(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)-$ $-(6,3,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1) - \Pi_0)^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)(5,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)-$ $-(6,3,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.((1-)^{2,0} \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0,0} \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(2\text{nd } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,0,0)$	$\psi(\lambda\alpha.(1 - (\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((1-)^{\alpha} (\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,1,1)$	$\psi(\lambda\alpha.((1-)^2 \text{ aft }^{\alpha} (\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} (\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - (\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1) - \Pi_0) \text{ } 1 - (\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(4,2,1)$	$\psi(\lambda\alpha.(2 - (\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1) - \Pi_0) - (\lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0-)^{\alpha})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,2,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0-)^{1,0})-\Pi_0)$ $\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(0))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(1))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(\lambda\beta.(\beta+1)-\Pi_1))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(2 \text{ aft } \lambda\beta.(\beta+1)-\Pi_1))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,2,0)(5,3,1)$	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(1-2 \text{ aft } \lambda\beta.(\beta+1)-\Pi_1))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,0)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(\lambda\alpha'.(\alpha'+1)-\Pi_0))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,0)(5,3,1)(6,4,1)(7,5,0)$	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(\lambda\alpha'.(\lambda\beta'.$ $(\beta'+1)-\Pi_0)-\Pi_0))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,0)(5,3,1)(6,4,1)(7,5,0)(8,4,0)$	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}$ $(\lambda\alpha'.(\psi_{\lambda\beta'.(\beta'+1)-\Pi_1}(0))-\Pi_0))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,2,1)(3,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0)-(\lambda\beta.(\beta+1)-\Pi_1))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(3,3,0)(4,2,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_1)(\lambda\beta.(\beta+1)-\Pi_0)$ $-(\lambda\beta.(\beta+1)-\Pi_1))-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_1)-(\lambda\beta.(\beta+1)-\Pi_1))-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1)-\Pi_2)-\Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+2)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,2,1)(5,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+2)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(5,3,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+3)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+\omega)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+\omega^2)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+\alpha)-\Pi_0)-\Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(5,1,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Omega_{\alpha+1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(5,1,1)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \psi_{\Omega_{\alpha+2}}(0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(5,1,1)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Omega_{\alpha+2}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + I_{\alpha+1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,1,1)(6,2,1)(7,2,1)(8,2,1)(9,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + K_{\alpha+1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,1)(6,2,1)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,1,1)(6,2,1)(7,3,0)(8,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + \omega) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,1,1)(6,2,1)(7,3,0)(8,3,0)-$ $-(9,1,1)(10,2,1)(11,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 2) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(4,2,1)(5,3,0)(6,3,0)(7,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(4,3,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta^2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta^\beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,3,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\Omega_{\beta+1})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,3,1)(7,4,1)(8,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\beta' + 1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(6,3,1)(7,4,1)(8,5,0)-$ $-(9,5,0)(10,4,0)(11,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\psi_{\Omega_{\beta'+1}}(0)) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(6,3,1)(7,4,1)(8,5,0)(9,5,0)-$ $-(10,4,0)(11,5,1)(12,6,1)(13,7,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\psi_{\Omega_{\beta'+1}}(\lambda\alpha''.(\lambda\beta''.(\beta''+1)-\Pi_0)-\Pi_0))-\Pi_0)-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1})-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(5,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1} \cdot \omega)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}^2)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(0))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,0)(7,3,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2}^2))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,0)(7,3,0)(8,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2}^\beta))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2}^{\Omega_{\beta+1}}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2}^{\Omega_{\beta+2}}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\psi_{\Omega_{\beta+3}}(0)))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2}))-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+3}))-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+\omega}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+\alpha}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta.2}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,2,0)(3,3,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta.3}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta^2}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\psi_{\Omega_{\beta+1}}(0)}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\Omega_{\beta+1}}))-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,2,1)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\Omega_{\beta+2}}))-\Pi_0)-\Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,2,1)(5,3,1)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\Omega_{\beta+1}})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{I_{\beta+1}}(0))) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(I_{\beta+1})) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,3,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(I(1, \beta + 1))) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(I(\alpha, \beta + 1))) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,3,1)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(I(\beta, 1))) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,3,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{I(1,0,\beta+1)}(0))) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,3,1)(5,3,0)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(I(1, 0, \beta + 1))) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,3,1)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(M_{\beta+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,3,1)(5,3,1)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(N_{\beta+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,3,1)(5,3,1)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(K_{\beta+1}) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,3,1)(6,3,1)(7,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(4 \text{ aft } \beta) - \Pi_3) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(3 - \pi - (+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,1)(6,3,1)(7,4,0)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(2,2,1)(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(2\text{nd } \lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,0)(3,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0)$ $-(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(3,3,0)(4,3,0)(5,2,0)-$ $-(6,3,1)(7,4,1)(8,5,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0)$ $-(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(3,3,0)(4,3,0)(5,2,0)-$ $-(6,3,1)(7,4,1)(8,5,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,0)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(2 \text{ aft } \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_1) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(2\text{nd } \lambda\gamma.(\gamma+1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,0)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\lambda\gamma.(\gamma+1) - \Pi_0)$ $-(\lambda\gamma.(\gamma+1) - \Pi_0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,0)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma+1) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma+2) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,0)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma+\omega) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma+\alpha) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma+\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma \cdot 2) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,0)(7,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\psi_{\Omega_{\gamma+1}}(0)) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+1}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+2}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,1)(5,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+\omega}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,1)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+\beta}) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma \cdot 2}) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,1)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\psi_{I_{\gamma+1}}(0)) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,1)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(I_{\gamma+1}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,1)(5,4,1)(6,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(M_{\gamma+1}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,4,1)(6,4,1)(7,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(K_{\gamma+1}) - \Pi_2) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,1)(5,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\delta+1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,4,1)(5,5,0)(6,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\delta+1) - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,5,1)(6,6,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\lambda\epsilon.(\epsilon+1)$ $-\Pi_0) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0)$

### A.13 BMS vs 稳定 OCF(帕秋莉.ver)

本节的结果主要引自<sup>[29-31]</sup>。

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)$	$\psi(\Pi_\omega)$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(1,1,1)(2,2,0)$	$\psi(\Pi_\omega \cdot 2)$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_0 \cdot 2)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_\omega)$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha+1) - \Pi_0 \cdot 2)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)$	$\psi(\Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_2 \text{ aft } \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 - \Pi_2 \text{ aft } \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(\Pi_1 - \Pi_3 \text{ aft } \Pi_\omega)$ $\psi(\Pi_1 - \Pi_3 \text{ aft } \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)-$ $-(3,2,1)(4,3,0)$	$\psi(2\text{nd } \Pi_\omega)$ $\psi(2\text{nd } \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,3,0)(3,2,0)$	$\psi(2\text{nd } \Pi_\omega + \Pi_2 \text{ aft } \Pi_\omega)$ $\psi(2\text{nd } \lambda\alpha.(\alpha+1) - \Pi_0 + \Pi_2 \text{ aft } \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,3,0)(3,2,1)(4,3,0)$	$\psi(2\text{nd } \Pi_\omega \cdot 2)$ $\psi(2\text{nd } \lambda\alpha.(\alpha+1) - \Pi_0 \cdot 2)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,3,0)(4,2,0)(5,3,0)$	$\psi(\Pi_2 \text{ aft } 2\text{nd } \Pi_\omega)$ $\psi(\Pi_2 \text{ aft } 2\text{nd } \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,3,0)(4,2,0)(5,3,1)(6,4,0)$	$\psi(3\text{rd } \Pi_\omega)$ $\psi(3\text{rd } \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,1)-$ $-(4,3,0)(4,2,0)(5,3,1)(6,4,0)-$ $-(6,3,0)(7,4,1)(8,5,0)$	$\psi(4\text{th } \Pi_\omega)$ $\psi(4\text{th } \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)-$ $-(3,1,0)(2,0,0)$	$\psi((\Pi_1-)^{(1,0)}\Pi_\omega)$ $\psi((\Pi_1-)^{(1,0)}\lambda\alpha.(\alpha+1)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)-$ $-(3,1,0)(2,1,1)$	$\psi((\Pi_1-)^{(1,1)}\Pi_\omega)$ $\psi((\Pi_1-)^{(1,1)}\lambda\alpha.(\alpha+1)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi((\Pi_1-)^{(2,0)}\Pi_\omega)$ $\psi((\Pi_1-)^{(2,0)}\lambda\alpha.(\alpha+1)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)-$ $-(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_2 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_2 \text{ aft } \Pi_2 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,0,0)$	$\psi((\Pi_2 \Pi_1-)^{(1,0)}\Pi_\omega)$ $\psi((\Pi_2 \Pi_1-)^{(1,0)}\lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_2 - \Pi_2 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_2 \text{ aft } \Pi_2 - \Pi_2 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)-$ $-(3,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_2 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 - \Pi_2 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(3,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_2 - \Pi_2 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 - \Pi_2 - \Pi_2 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(4,1,0)(2,0,0)$	$\psi((\Pi_2-)^{(1,0)}\Pi_1 - \Pi_\omega)$ $\psi((\Pi_2-)^{(1,0)}\Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(4,1,0)(5,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_3 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_2 \text{ aft } \Pi_3 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)-$ $-(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_3 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_3 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 - \Pi_3 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(4,1,1)(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 \Pi_2 - \Pi_3 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_3 \Pi_2 - \Pi_3 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(4,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 - \Pi_3 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_3 - \Pi_3 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)-$ $-(4,1,1)(5,1,1)$	$\psi(\Pi_1 - \Pi_4 \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_4 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)$	$\psi(\Pi_\omega \Pi_1 - \Pi_\omega)$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)-$ $-(3,2,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_\omega \Pi_1 - \Pi_\omega)$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(2,1,1)(3,2,0)$	$\psi(\Pi_\omega \Pi_1 - \Pi_\omega \Pi_1 - \Pi_\omega)$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_0$ $\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,0)(2,0,0)$	$\psi((\Pi_\omega \Pi_1 -)^{(1,0)})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_1 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_2 - \Pi_\omega)$ $\psi(\Pi_2 \text{ aft } \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)-$ $-(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(2,1,1)(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_\omega \Pi_1 - \Pi_2 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0$ $\Pi_1 - \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi((\Pi_2 - \Pi_\omega \Pi_1 -)^{(1,0)})$ $\psi((\Pi_1 - \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_1 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_2 - \Pi_2 - \Pi_\omega)$ $\psi(\Pi_2 \text{ aft } \Pi_2 - \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_2 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 - \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 \Pi_2 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_3 \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(4,1,1)(5,1,1)$	$\psi(\Pi_1 - \Pi_4 \Pi_2 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_4 \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(4,2,0)$	$\psi(\Pi_\omega \Pi_2 - \Pi_\omega)$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(4,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_\omega \Pi_2 - \Pi_\omega \Pi_2 - \Pi_\omega)$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0$ $\Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(4,2,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_3 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(4,2,0)(4,1,1)(5,2,0)$	$\psi(\Pi_\omega \Pi_3 - \Pi_\omega)$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_3 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)-$ $-(3,1,1)(4,2,0)(4,1,1)(5,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_4 - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_4 - \lambda\alpha.(\alpha + 1) - \Pi_0)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_\omega)$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,2,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_\omega - \Pi_\omega)$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,2,0)(2,1,1)-$ $-(3,2,0)(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_\omega - \Pi_\omega)$ $\psi(\Pi_1 - \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(2,2,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_\omega - \Pi_\omega)$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + 1)$ $- \Pi_0 - \lambda\alpha.(\alpha + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,0,0)$	$\psi((\Pi_\omega -)^\omega)$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^\omega)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,0,0)$	$\psi((\Pi_\omega -)^{(1,0)})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,1,1)$	$\psi(\Pi_1 - (\Pi_\omega -)^{(1,0)})$ $\psi(\Pi_1 - (\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)-$ $-(2,1,1)(3,2,0)$	$\psi(\Pi_\omega \Pi_1 - (\Pi_\omega -)^{(1,0)})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_1$ $- (\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,1,1)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi((\Pi_\omega -)^{(1,0)} \Pi_1 - (\Pi_\omega -)^{(1,0)})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)} \Pi_1$ $- (\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,1,1)-$ $-(3,2,0)(4,1,0)(3,1,0)(2,0,0)$	$\psi(((\Pi_\omega -)^{(1,0)} \Pi_1 -)^{(1,0)})$ $\psi(((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)} \Pi_1 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,1,1)-$ $-(3,2,0)(4,1,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - (\Pi_\omega -)^{(1,0)})$ $\psi(\Pi_1 - \Pi_2 - (\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,1,1)-$ $-(3,2,0)(4,1,0)(3,1,1)-$ $-(4,2,0)(5,1,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 - (\Pi_\omega -)^{(1,0)})$ $\psi(\Pi_1 - \Pi_3 - (\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,2,0)$	$\psi((\Pi_\omega -)^{(1,1)})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,1)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(2,2,0)-$ $-(3,1,0)(2,0,0)$	$\psi((\Pi_\omega -)^{(2,0)})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(2,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)-$ $-(3,1,0)(2,0,0)$	$\psi((\Pi_\omega -)^{(1,0,0)})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{\omega+1})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha + 1) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(2,1,0)(3,2,0)$	$\psi(\Pi_1 \text{ aft } \Pi_1 - \Pi_{\omega+1})$ $\psi(\Pi_1 \text{ aft } \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,1,1)$	$\psi(\Pi_1 - \Pi_1 - \Pi_{\omega+1})$ $\psi(\Pi_1 - \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(2,1,1)(3,2,0)$	$\psi(\Pi_\omega \Pi_1 - \Pi_{\omega+1})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,1,1)-$ $-(3,2,0)(3,2,0)$	$\psi(\Pi_\omega - \Pi_\omega \Pi_1 - \Pi_{\omega+1})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^2 \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,1,1)-$ $-(3,2,0)(4,1,0)(5,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{\omega+1} \Pi_1 - \Pi_{\omega+1})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha + 1) - \Pi_1 \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,1,1)-$ $-(3,2,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} \Pi_1 - \Pi_{\omega+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1 \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,1,1)-$ $-(3,2,0)(4,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_{\omega+1})$ $\psi(\Pi_1 - \Pi_2 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,1,1)-$ $-(3,2,0)(4,1,1)(3,1,1)-$ $-(4,2,0)(5,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 - \Pi_{\omega+1})$ $\psi(\Pi_1 - \Pi_3 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,2,0)$	$\psi(\Pi_\omega - \Pi_{\omega+1})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,2,0)-$ $-(3,1,0)(2,0,0)$	$\psi((\Pi_\omega -)^{(1,0)} \Pi_{\omega+1})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)} \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(2,2,0)-$ $-(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{\omega+1} \Pi_\omega - \Pi_{\omega+1})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha + 1) - \Pi_1$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(2,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} \Pi_\omega - \Pi_{\omega+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(3,0,0)$	$\psi((\Pi_{\omega+1} \Pi_\omega -)^\omega)$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_1 \lambda\alpha.(\alpha + 1) - \Pi_0 -)^\omega)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(3,1,0)(2,0,0)$	$\psi((\Pi_{\omega+1} \Pi_\omega -)^{(1,0)})$ $\psi((\lambda\alpha.(\alpha + 1) - \Pi_1 \lambda\alpha.(\alpha + 1) - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{\omega+1} - \Pi_{\omega+1})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha + 1) - \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} - \Pi_{\omega+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(3,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} - \Pi_{\omega+1} - \Pi_{\omega+1})$ $\psi(\Pi_1 - (\lambda\alpha.(\alpha+1) - \Pi_1-)^3)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,0,0)$	$\psi((\Pi_{\omega+1}-)^\omega)$ $\psi((\lambda\alpha.(\alpha+1) - \Pi_1-)^\omega)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,0)(2,0,0)$	$\psi((\Pi_{\omega+1}-)^{(1,0)})$ $\psi((\lambda\alpha.(\alpha+1) - \Pi_1-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,0)(2,1,1)$	$\psi(\Pi_1 - (\Pi_{\omega+1}-)^{(1,0)})$ $\psi(\Pi_1 - (\lambda\alpha.(\alpha+1) - \Pi_1-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,0)(2,2,0)$	$\psi(\Pi_\omega - (\Pi_{\omega+1}-)^{(1,0)})$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_0 - (\lambda\alpha.(\alpha+1) - \Pi_1-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,0)(2,2,0)(3,1,1)$	$\psi(\Pi_{\omega+1} \Pi_\omega - (\Pi_{\omega+1}-)^{(1,0)})$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_1 \lambda\alpha.(\alpha+1)$ $- \Pi_0 - (\lambda\alpha.(\alpha+1) - \Pi_1-)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,0)(3,1,1)$	$\psi((\Pi_{\omega+1}-)^{(1,1)})$ $\psi((\lambda\alpha.(\alpha+1) - \Pi_1-)^{(1,1)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,0)(3,1,1)(4,1,0)(2,0,0)$	$\psi((\Pi_{\omega+1}-)^{(2,0)})$ $\psi((\lambda\alpha.(\alpha+1) - \Pi_1-)^{(2,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,0)(5,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{\omega+2})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha+1) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+2} - \Pi_{\omega+2})$ $\psi(\Pi_1 - (\lambda\alpha.(\alpha+1) - \Pi_2-)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,1,1)-$ $-(5,1,0)(6,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{\omega+3})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha+1) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,1,1)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+3})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2})$ $\psi(\lambda\alpha.(\alpha+2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_{\omega \cdot 2})$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_0 - \lambda\alpha.(\alpha+2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(3,1,1)$	$\psi(\Pi_{\omega+1} - \Pi_{\omega \cdot 2})$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_1 - \lambda\alpha.(\alpha+2) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)-$ $-(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} \Pi_{\omega+1} - \Pi_{\omega \cdot 2})$ $\psi(\lambda\alpha.(\alpha+2) - \Pi_0)$ $\lambda\alpha.(\alpha+1) - \Pi_1 - \lambda\alpha.(\alpha+2) - \Pi_0$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(4,1,1)$	$\psi(\Pi_{\omega+2} - \Pi_{\omega \cdot 2})$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_2 - \lambda\alpha.(\alpha+2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} - \Pi_{\omega \cdot 2})$ $\psi((\lambda\alpha.(\alpha+2) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,1,0)(6,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{\omega \cdot 2+1})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha+2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)-$ $-(4,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,1,1)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+1} - \Pi_{\omega \cdot 2+1})$ $\psi(\Pi_1 - (\lambda\alpha.(\alpha+2) - \Pi_1)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,1,1)(6,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,1,1)(6,1,1)(7,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+3})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+2) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,1,1)(6,2,0)$	$\psi(\Pi_{\omega \cdot 3})$ $\psi(\lambda\alpha.(\alpha+3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,1,1)(4,2,0)-$ $-(5,1,1)(6,2,0)(7,1,1)(8,2,0)$	$\psi(\Pi_{\omega \cdot 4})$ $\psi(\lambda\alpha.(\alpha+4) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha+\omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+\omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)$	$\psi(\Pi_{\omega} - \Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha+1) - \Pi_0 - \lambda\alpha.(\alpha+\omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(2,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} \Pi_{\omega} - \Pi_{\omega^2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_1)$ $\lambda\alpha.(\alpha+1) - \Pi_0 - \lambda\alpha.(\alpha+\omega) - \Pi_0$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+2} \Pi_{\omega} - \Pi_{\omega^2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha+1) - \Pi_2)$ $\lambda\alpha.(\alpha+1) - \Pi_0 - \lambda\alpha.(\alpha+\omega) - \Pi_0$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} \Pi_{\omega} - \Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha+2) - \Pi_0)$ $\lambda\alpha.(\alpha+1) - \Pi_0 - \lambda\alpha.(\alpha+\omega) - \Pi_0$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,1,1)(6,2,0)$	$\psi(\Pi_{\omega \cdot 3} \Pi_{\omega} - \Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha + 3) - \Pi_0)$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)$	$\psi((\Pi_{\omega^2} \Pi_{\omega} -)^2 \Pi_{\omega^2})$ $\psi((\lambda\alpha.(\alpha + \omega) - \Pi_0$ $\lambda\alpha.(\alpha + 1) - \Pi_0 -)^2 \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} - \Pi_{\omega^2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} \Pi_{\omega+1} - \Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha + 2) - \Pi_0$ $\lambda\alpha.(\alpha + 1) - \Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)$	$\psi(\Pi_{\omega^2} \Pi_{\omega+1} - \Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0$ $\lambda\alpha.(\alpha + 1) - \Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+2} - \Pi_{\omega^2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_2 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} - \Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha + 2) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(4,2,0)(5,1,1)$	$\psi(\Pi_{\omega \cdot 2+1} \Pi_{\omega \cdot 2} - \Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha + 2) - \Pi_1$ $\lambda\alpha.(\alpha + 2) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(4,2,0)(5,1,1)-$ $-(6,2,0)(7,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+1} - \Pi_{\omega^2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 2) - \Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(4,2,0)(5,1,1)-$ $-(6,2,0)(7,2,0)(6,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+2} - \Pi_{\omega^2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 2) - \Pi_2 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(2,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(4,2,0)-$ $-(5,1,1)(6,2,0)(7,2,0)(6,2,0)$	$\psi(\Pi_{\omega \cdot 3} - \Pi_{\omega^2})$ $\psi(\lambda\alpha.(\alpha + 3) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2} - \Pi_{\omega^2})$ $\psi((\lambda\alpha.(\alpha + \omega) - \Pi_0 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,0,0)$	$\psi((\Pi_{\omega^2} -)^{\omega})$ $\psi((\lambda\alpha.(\alpha + \omega) - \Pi_0 -)^{\omega})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,0)(2,0,0)$	$\psi((\Pi_{\omega^2} -)^{(1,0)})$ $\psi((\lambda\alpha.(\alpha + \omega) - \Pi_0 -)^{(1,0)})$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{\omega^2+1})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,1)(2,2,0)$	$\psi(\Pi_\omega - \Pi_{\omega^2+1})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} \Pi_\omega - \Pi_{\omega^2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,1,1)(4,2,0)(5,2,0)$	$\psi(\Pi_{\omega^2} \Pi_\omega - \Pi_{\omega^2+1})$ $\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,1,1)(4,2,0)(5,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+1} \Pi_\omega - \Pi_{\omega^2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_1$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(5,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1} - \Pi_{\omega^2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(5,1,1)(4,2,0)$	$\psi(\Pi_{\omega \cdot 2} - \Pi_{\omega^2+1})$ $\psi(\lambda\alpha.(\alpha + 2) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,1,1)(4,2,0)(5,2,0)(5,1,1)-$ $-(4,2,0)(5,1,1)(6,2,0)(7,2,0)-$ $-(7,1,1)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega \cdot 2+1} - \Pi_{\omega^2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + 2) - \Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,1,1)(4,2,0)(5,2,0)(5,1,1)-$ $-(4,2,0)(5,1,1)(6,2,0)(7,2,0)-$ $-(7,1,1)(6,2,0)$	$\psi(\Pi_{\omega \cdot 3} - \Pi_{\omega^2+1})$ $\psi(\lambda\alpha.(\alpha + 3) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2} - \Pi_{\omega^2+1})$ $\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,2,0)(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2} - \Pi_{\omega^2} - \Pi_{\omega^2+1})$ $\psi((\lambda\alpha.(\alpha + \omega) - \Pi_0)^2 \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+1} \Pi_{\omega^2} - \Pi_{\omega^2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_1$ $\lambda\alpha.(\alpha + \omega) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(2,2,0)(3,2,0)(3,1,1)(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2} - \Pi_{\omega^2+1} \Pi_{\omega^2} - \Pi_{\omega^2+1})$ $\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1$ $\lambda\alpha.(\alpha + \omega) - \Pi_0 - \lambda\alpha.(\alpha + \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+1} - \Pi_{\omega^2+1})$ $\psi(\Pi_1 - (\lambda\alpha.(\alpha + \omega) - \Pi_1 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+2})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega^2+\omega})$ $\psi(\lambda\alpha.(\alpha + \omega + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(4,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2+\omega+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(4,2,0)(5,1,1)(6,2,0)$	$\psi(\Pi_{\omega^2+\omega \cdot 2})$ $\psi(\lambda\alpha.(\alpha + \omega + 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(4,2,0)(5,1,1)(6,2,0)(7,1,1)(8,2,0)$	$\psi(\Pi_{\omega^2+\omega \cdot 3})$ $\psi(\lambda\alpha.(\alpha + \omega + 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)$	$\psi(\Pi_{\omega^2 \cdot 2})$ $\psi(\lambda\alpha.(\alpha + \omega \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(4,2,0)(5,2,0)$	$\psi(\Pi_{\omega^2 \cdot 2} - \Pi_{\omega^2 \cdot 2})$ $\psi((\lambda\alpha.(\alpha + \omega \cdot 2) - \Pi_0 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^2 \cdot 2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega \cdot 2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(5,1,1)(6,2,0)(7,2,0)$	$\psi(\Pi_{\omega^2 \cdot 3})$ $\psi(\lambda\alpha.(\alpha + \omega \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,2,0)$	$\psi(\Pi_{\omega^3})$ $\psi(\lambda\alpha.(\alpha + \omega^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,2,0)(2,2,0)$	$\psi(\Pi_{\omega} - \Pi_{\omega^3})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha + \omega^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,2,0)-$ $-(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2} - \Pi_{\omega^3})$ $\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0 - \lambda\alpha.(\alpha + \omega^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,2,0)-$ $-(2,2,0)(3,2,0)(3,2,0)$	$\psi(\Pi_{\omega^3} - \Pi_{\omega^3})$ $\psi((\lambda\alpha.(\alpha + \omega^2) - \Pi_0 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^3+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega^2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega^3+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega^2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,2,0)-$ $-(3,1,1)(4,2,0)$	$\psi(\Pi_{\omega^3+\omega})$ $\psi(\lambda\alpha.(\alpha + \omega^2 + 1) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(5,2,0)$	$\psi(\Pi_{\omega^3 \cdot 2})$ $\psi(\lambda\alpha.(\alpha + \omega^2 \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,2,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(5,2,0)-$ $-(5,1,1)(6,2,0)(7,2,0)(7,2,0)$	$\psi(\Pi_{\omega^3 \cdot 3})$ $\psi(\lambda\alpha.(\alpha + \omega^2 \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(3,2,0)(3,2,0)$	$\psi(\Pi_{\omega^4})$ $\psi(\lambda\alpha.(\alpha + \omega^3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(3,2,0)-$ $-(3,2,0)(3,2,0)$	$\psi(\Pi_{\omega^5})$ $\psi(\lambda\alpha.(\alpha + \omega^4) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,0,0)$	$\psi(\Pi_{\omega^\omega})$ $\psi(\lambda\alpha.(\alpha + \omega^\omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,0,0)-$ $-(2,2,0)(3,2,0)(4,0,0)$	$\psi(\Pi_{\omega^\omega} - \Pi_{\omega^\omega})$ $\psi((\lambda\alpha.(\alpha + \omega^\omega) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{\omega+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \omega^\omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,0,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,0,0)$	$\psi(\Pi_{\omega^\omega \cdot 2})$ $\psi(\lambda\alpha.(\alpha + \omega^\omega \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(3,2,0)$	$\psi(\Pi_{\omega^{\omega+1}})$ $\psi(\lambda\alpha.(\alpha + \omega^{\omega+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(4,0,0)$	$\psi(\Pi_{\omega^{\omega^2}})$ $\psi(\lambda\alpha.(\alpha + \omega^{\omega^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,0,0)(5,1,0)$	$\psi(\Pi_{\psi(\Omega)})$ $\psi(\lambda\alpha.(\alpha + \psi(\Omega)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{\Pi_2})$ $\psi(\lambda\alpha.(\alpha + \Pi_2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,1,0)(3,3,0)(4,3,0)(5,1,0)$	$\psi(\Pi_{\Pi_2} - \Pi_{\Pi_2})$ $\psi((\lambda\alpha.(\alpha + \Pi_2) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,0)(4,2,1)$	$\psi(\Pi_1 - \Pi_{\Pi_2+1})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha + \Pi_2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,3,0)(4,3,0)(5,1,0)-$ $-(4,2,1)(5,3,0)(6,3,0)(7,1,0)$	$\psi(\Pi_{\Pi_2 \cdot 2})$ $\psi(\lambda\alpha.(\alpha + \Pi_2 \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,0)(4,3,0)$	$\psi(\Pi_{\Pi_2 \cdot \omega})$ $\psi(\lambda\alpha.(\alpha + \Pi_2 \cdot \omega) - \Pi_0)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,3,0)(4,3,0)(5,2,0)$	$\psi(\Pi_{2\text{nd } \Pi_2})$ $\psi(\lambda\alpha.(\alpha + 2\text{nd } \Pi_2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(1,1,1)(2,2,0)$	$\psi(\Pi_{\Pi_\omega})$ $\psi(\lambda\alpha.(\alpha + \lambda\alpha.(\alpha + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,1)(2,2,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{\Pi_{\Pi_2}})$ $\psi(\lambda\alpha.(\alpha + \lambda\alpha.(\alpha + \Pi_2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(1,1,1)(2,2,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{\Pi_{\Pi_{\Pi_2}}})$ $\psi(\lambda\alpha.(\alpha + \lambda\alpha.(\alpha + \lambda\alpha.(\alpha + \Pi_2) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,0,0)$	$\psi(\Pi_{(1,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,1,0)(3,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{(1,0)})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_{(1,0)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,1,1)(3,2,0)(4,2,0)(5,1,0)(2,0,0)$	$\psi(\Pi_{(1,0)} \Pi_1 - \Pi_{(1,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,1,1)(3,2,0)(4,2,0)(5,1,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \Pi_{(1,0)})$ $\psi(\Pi_1 - \Pi_2 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,1,1)(3,2,0)(4,2,0)(5,1,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 - \Pi_{(1,0)})$ $\psi(\Pi_1 - \Pi_3 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_{(1,0)})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,2,0)$	$\psi(\Pi_{\omega^2} - \Pi_{(1,0)})$ $\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(2,2,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{\Pi_2} - \Pi_{(1,0)})$ $\psi(\lambda\alpha.(\alpha + \Pi_2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,2,0)(3,2,0)(4,1,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,2,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{\Pi_{\Pi_2} - \Pi_{(1,0)}} - \Pi_{(1,0)})$ $\psi(\lambda\alpha.(\alpha + \lambda\alpha.(\alpha + \Pi_2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $- \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1,0)} - \Pi_{(1,0)})$ $\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \Pi_{(1,1)})$ $\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha \cdot 2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{(1,1)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1,0)} - \Pi_{(1,1)})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(2,2,0)(3,2,0)(4,1,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{(1,1)} \Pi_{(1,0)} - \Pi_{(1,1)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1$ $\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(3,1,0)(2,0,0)$	$\psi((\Pi_{(1,1)} \Pi_{(1,0)} -)^{(1,0)})$ $\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_1 \lambda\alpha.(\alpha \cdot 2) - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_{(1,1)} - \Pi_{(1,1)})$ $\psi(\Pi_1 - (\lambda\alpha.(\alpha \cdot 2) - \Pi_1 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \Pi_{(1,2)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{(1,\omega)})$ $\psi(\lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{(1,1)} - \Pi_{(1,\omega)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1 - \lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_{(1,2)} - \Pi_{(1,\omega)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_2 - \lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)(4,2,0)$	$\psi(\Pi_{(1,\omega)} - \Pi_{(1,\omega)})$ $\psi((\lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_0 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,1,1)(4,2,0)(5,1,1)$	$\psi(\Pi_{(1,\omega+1)})$ $\psi(\lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,1,1)(6,2,0)$	$\psi(\Pi_{(1,\omega \cdot 2)})$ $\psi(\lambda\alpha.(\alpha \cdot 2 + 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)$	$\psi(\Pi_{(1,\omega^2)})$ $\psi(\lambda\alpha.(\alpha \cdot 2 + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)$	$\psi(\Pi_{(1,\Pi_2)})$ $\psi(\lambda\alpha.(\alpha \cdot 2 + \Pi_2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\Pi_{(2,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_{(2,0)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1,0)} - \Pi_{(2,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 3) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(2,2,0)-$ $-(3,2,0)(4,1,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(2,0,0)$	$\psi(\Pi_{(2,0)} \Pi_{(1,0)} - \Pi_{(2,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 3) - \Pi_0)$ $\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 3) - \Pi_0$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{(1,1)} - \Pi_{(2,0)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1 - \lambda\alpha.(\alpha \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\Pi_{(2,0)} \Pi_{(1,1)} - \Pi_{(2,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 3) - \Pi_0)$ $\lambda\alpha.(\alpha \cdot 2) - \Pi_1 - \lambda\alpha.(\alpha \cdot 3) - \Pi_0$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(4,1,1)$	$\psi(\Pi_1 - \Pi_{(1,2)} - \Pi_{(2,0)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_2 - \lambda\alpha.(\alpha \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(4,2,0)$	$\psi(\Pi_{(1,\omega)} - \Pi_{(2,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_0 - \lambda\alpha.(\alpha \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)-$ $-(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\Pi_{(2,0)} - \Pi_{(2,0)})$ $\psi((\lambda\alpha.(\alpha \cdot 3) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(5,1,1)$	$\psi(\Pi_1 - \Pi_{(2,1)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 3) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(5,1,1)-$ $-(6,2,0)(7,2,0)(8,1,0)(2,0,0)$	$\psi(\Pi_{(3,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 4) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)$	$\psi(\Pi_{(\omega,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1,0)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\Pi_{(2,0)} \Pi_{(1,0)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 3) - \Pi_0)$ $\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(5,1,1)(6,2,0)-$ $-(7,2,0)(8,1,0)(2,0,0)$	$\psi(\Pi_{(3,0)} \Pi_{(1,0)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 4) - \Pi_0)$ $\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(5,2,0)$	$\psi(\Pi_{(\omega,0)} \Pi_{(1,0)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(1))$ $-\Pi_0 \lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(5,2,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{(1,1)} - \Pi_{(\omega,0)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)- -(4,2,0)(5,2,0)(6,1,0)(5,2,0)(4,2,0)	$\psi(\Pi_{(1,\omega)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)- -(4,2,0)(5,2,0)(6,1,0)- -(5,2,0)(4,2,0)(5,1,1)	$\psi(\Pi_1 - \Pi_{(1,\omega+1)} - \Pi_{(\omega,0)})$ $\psi(\Pi_1 - \lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_1 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)- -(4,2,0)(5,2,0)(6,1,0)- -(5,2,0)(4,2,0)(5,2,0)	$\psi(\Pi_{(1,\omega^2)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 2 + \omega) - \Pi_1 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)- -(4,2,0)(5,2,0)(6,1,0)(5,2,0)(4,2,0)- -(5,2,0)(6,1,0)(5,1,1)(6,2,0)- -(7,2,0)(8,1,0)(2,0,0)	$\psi(\Pi_{(3,0)} \Pi_{(2,0)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 4) - \Pi_0)$ $\lambda\alpha.(\alpha \cdot 3) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)- -(4,2,0)(5,2,0)(6,1,0)(5,2,0)(4,2,0)- -(5,2,0)(6,1,0)(5,1,1)(6,2,0)- -(7,2,0)(8,1,0)(7,2,0)	$\psi(\Pi_{(\omega,0)} \Pi_{(2,0)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(1))$ $-\Pi_0 \lambda\alpha.(\alpha \cdot 3) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)- -(4,2,0)(5,2,0)(6,1,0)(5,2,0)(4,2,0)- -(5,2,0)(6,1,0)(5,1,1)(6,2,0)- -(7,2,0)(8,1,0)(7,2,0)(6,2,0)	$\psi(\Pi_{(2,\omega)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 3 + 1) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,1,1)- -(4,2,0)(5,2,0)(6,1,0)(5,2,0)(4,2,0)- -(5,2,0)(6,1,0)(5,1,1)(6,2,0)(7,2,0)- -(8,1,0)(7,2,0)(6,2,0)(7,2,0)- -(8,1,0)(2,0,0)	$\psi(\Pi_{(3,0)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.(\alpha \cdot 4) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,2,0)	$\psi(\Pi_{(\omega,0)} - \Pi_{(\omega,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(2,2,0)(3,2,0)(4,1,0)(3,2,0)- -(2,2,0)(3,2,0)(4,1,0)(3,2,0)	$\psi(\Pi_{(\omega,0)} - \Pi_{(\omega,0)} - \Pi_{(\omega,0)})$ $\psi((\lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_0)^3)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(3,1,1)	$\psi(\Pi_1 - \Pi_{(\omega,1)})$ $\psi(\Pi_1 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(1) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{(\omega,\omega)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1) + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(3,1,1)(4,2,0)(5,2,0)(6,1,0)-$ $-(5,1,1)(6,2,0)(7,2,0)(8,1,0)(2,0,0)$	$\psi(\Pi_{(\omega+2,0)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1) + \alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(5,2,0)$	$\psi(\Pi_{(\omega \cdot 2,0)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1) \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(3,1,1)(4,2,0)(5,2,0)(6,1,0)-$ $-(5,2,0)(5,1,1)(6,2,0)(7,2,0)-$ $-(8,1,0)(7,2,0)$	$\psi(\Pi_{(\omega \cdot 3,0)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1) \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(3,2,0)$	$\psi(\Pi_{(\omega^2,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(3,2,0)(3,2,0)$	$\psi(\Pi_{(\omega^3,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{(\Pi_2,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(\Omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(4,1,0)(1,1,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(3,2,0)(4,1,0)$	$\psi(\Pi_{(\Pi_{(\Pi_2,0)},0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(\Omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1,0,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(2,1,1)$	$\psi(\Pi_1 - \Pi_{(1,0,0)})$ $\psi(\Pi_1 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(2,2,0)$	$\psi(\Pi_\omega - \Pi_{(1,0,0)})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(4,1,0)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1,0,0)} - \Pi_{(1,0,0)})$ $\psi((\lambda\alpha.\psi_{\Omega_{\alpha+1}}(\alpha) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_{(1,0,1)})$ $\psi(\Pi_1 - \lambda\alpha.\psi_{\Omega_{\alpha+1}}(\alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(4,1,0)(3,1,1)(4,2,0)$	$\psi(\Pi_{(1,0,\omega)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\alpha) + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(3,2,0)(4,1,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,0)(2,0,0)$	$\psi(\Pi_{(1,1,0)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\alpha) + \alpha) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(4,1,0)(3,1,1)(4,2,0)(5,2,0)- -(6,1,0)(5,1,1)(6,2,0)(7,2,0)- -(8,1,0)(2,0,0)	$\psi(\Pi_{(1,2,0)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\alpha) + \alpha \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(4,1,0)(3,1,1)(4,2,0)- -(5,2,0)(6,1,0)(5,2,0)	$\psi(\Pi_{(1,\omega,0)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\alpha) + \psi_{\Omega_{\alpha+1}}(1)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(4,1,0)(3,1,1)(4,2,0)(5,2,0)- -(6,1,0)(5,2,0)(6,1,0)(2,0,0)	$\psi(\Pi_{(2,0,0)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\alpha) \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)- -(4,1,0)(3,2,0)(4,1,0)(3,2,0)	$\psi(\Pi_{(\omega,0,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(\alpha + 1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(3,2,0)(4,1,0)(3,2,0)(4,1,0)(2,0,0)	$\psi(\Pi_{(1,0,0,0)})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(\alpha \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)- -(3,2,0)(4,1,0)(4,0,0)	$\psi(\Pi_{(1\textcircled{\omega})})$ $\psi(\lambda\alpha.\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)- -(4,1,0)(4,0,0)(3,1,1)(4,2,0)	$\psi(\Pi_{(1\textcircled{\omega},\omega\textcircled{0})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1)) + 1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(4,0,0)(3,1,1)(4,2,0)- -(5,2,0)(6,1,0)(2,0,0)	$\psi(\Pi_{(1\textcircled{\omega},1\textcircled{1})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1)) + \alpha) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(4,0,0)(3,1,1)(4,2,0)- -(5,2,0)(6,1,0)(6,0,0)	$\psi(\Pi_{(2\textcircled{\omega})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1)) \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)- -(4,1,0)(4,0,0)(3,2,0)	$\psi(\Pi_{(\omega\textcircled{\omega})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1) + 1)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(4,0,0)(3,2,0)(4,1,0)(2,0,0)	$\psi(\Pi_{(1\textcircled{(\omega+1)})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1) + \alpha)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(4,0,0)(3,2,0)(4,1,0)- -(3,2,0)(4,1,0)(2,0,0)	$\psi(\Pi_{(1\textcircled{(\omega+2)})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1) + \alpha \cdot 2)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(4,0,0)(3,2,0)(4,1,0)(4,0,0)	$\psi(\Pi_{(1\textcircled{(\omega \cdot 2)})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1) \cdot 2)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)- -(4,0,0)(3,2,0)(4,1,0)(4,0,0)- -(3,2,0)(4,1,0)(4,0,0)	$\psi(\Pi_{(1\textcircled{(\omega \cdot 3)})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1) \cdot 3)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)- -(4,1,0)(4,0,0)(4,0,0)	$\psi(\Pi_{(1\textcircled{(\omega^2)})})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(2))) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(4,0,0)(5,0,0)$	$\psi(\Pi_{(1\otimes(\omega))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\omega))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(4,1,0)$	$\psi(\Pi_{(1\otimes\Omega)})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\Omega))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\otimes(1,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(4,1,0)(3,2,0)$	$\psi(\Pi_{(\omega\otimes(1,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha) + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\otimes(1,1))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha) + \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(4,0,0)$	$\psi(\Pi_{(1\otimes(1,\omega))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha) + \psi_{\Omega_{\alpha+1}}(1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(4,0,0)(4,0,0)$	$\psi(\Pi_{(1\otimes(1,\omega^2))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha) + \psi_{\Omega_{\alpha+1}}(2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(3,2,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\otimes(2,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha) \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,0,0)$	$\psi(\Pi_{(1\otimes(\omega,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha + 1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\otimes(1,0,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(3,2,0)$	$\psi(\Pi_{(\omega\otimes(1,0,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 2) + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\otimes(1,0,1))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 2) + \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(3,2,0)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\otimes(1,1,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 2) + \psi_{\Omega_{\alpha+1}}(\alpha))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\otimes(2,0,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 2) \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(4,0,0)$	$\psi(\Pi_{(1\otimes(\omega,0,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 2 + 1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\otimes(1,0,0,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 3))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(4,1,0)(4,0,0)$	$\psi(\Pi_{(1\otimes(\omega,0,0,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 3 + 1))) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(4,1,0)(4,1,0)(4,1,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\oplus(1,0,0,0,0))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 4))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus\omega))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,0,0)(4,1,0)(2,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus(\omega+1)))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1) + \alpha))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,0,0)(4,1,0)(5,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus(\omega \cdot 2)))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1) \cdot 2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,0,0)(5,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus(\omega^2)))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(2)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,1,0)(2,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus(1,0)))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,1,0)(4,1,0)(5,1,0)(2,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus(2,0)))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha) \cdot 2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,1,0)(5,1,0)(2,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus(1,0,0)))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 2)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,1,0)(5,1,0)(5,1,0)(2,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus(1,0,0,0)))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha \cdot 3)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,1,0)(6,1,0)(2,0,0)$	$\psi(\Pi_{(1\oplus(1\oplus(1\oplus(1,0))))})$ $\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(3,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}) + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,2,0)(4,1,0)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,2,0)(4,1,0)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(1)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,2,0)(4,1,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(\alpha)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}))) - \Pi_0)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,0)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + 1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \alpha))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}$ $+ \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}$ $+ \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + 1)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(5,1,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}$ $+ \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1} \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,0)(5,2,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,2,1)(7,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(I_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + \alpha) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' \cdot 2) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)(9,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(\Omega_{\alpha'+1}))$ $- \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)-$ $-(8,2,0)(9,3,1)(10,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(\lambda\alpha''.(\alpha'' + 1)$ $- \Pi_0 \text{ aft } \alpha')) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,0)(9,3,1)-$ $-(10,4,0)(11,4,0)(12,3,0)(13,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(\lambda\alpha''.(\psi_{\Omega_{\alpha''+1}}(\Omega_{\alpha''+1}))$ $- \Pi_0 \text{ aft } \alpha')) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,0)(4,2,1)(5,3,0)(6,3,0)(7,1,0)$	$\psi(\lambda\alpha.(\alpha + \Omega) - \Pi_0 \text{ aft } \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,0)(4,2,1)(5,3,0)(6,3,0)(7,2,0)$	$\psi(\lambda\alpha.(\alpha + \Pi_2 \text{ aft } \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2) - \Pi_0$ $\text{aft } \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,0)(4,2,1)(5,3,0)-$ $-(6,3,0)(7,2,0)(5,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 \text{ aft } \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,0)(4,2,1)(5,3,0)-$ $-(6,3,0)(7,2,0)(8,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0 \text{ aft } \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,0)(4,2,1)(5,3,0)(6,3,0)(7,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 \text{ aft } \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,0)(4,2,1)(5,3,0)(6,3,0)-$ $-(7,2,1)(6,2,0)(7,3,0)$	$\psi(\Pi_2 \text{ aft } 2\text{nd } \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(3,1,0)(4,2,0)$	$\psi(\Pi_2 \text{ aft } (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(3,1,1)$	$\psi(\Pi_1 - (\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2 -)^2)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+1} + 1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,1,1)(6,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,1,1)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)(6,1,0)(5,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)(6,1,0)- -(5,2,0)(6,1,0)(2,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha^2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)- -(6,1,0)(6,1,0)(2,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha^\alpha) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)(6,1,0)(7,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)- -(6,1,0)(7,2,1)(8,3,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)(6,1,0)- -(7,2,1)(8,3,0)(9,3,0)(10,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)(6,1,0)(7,2,1)- -(8,3,0)(9,3,0)(10,2,1)(9,2,1)(10,3,0)- -(11,3,0)(12,2,0)(13,3,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1} + \psi_{\Omega_{\alpha'+1}}(\Omega_{\alpha'+1})) - \Pi_0)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)- -(4,1,1)(3,1,1)(4,2,0)(5,2,0)(6,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)(6,1,1)- -(4,2,0)(5,2,0)(6,1,1)	$\psi((\lambda\alpha.(\Omega_{\alpha+1} \cdot 2) - \Pi_0)^2)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)- -(6,1,1)(5,1,0)(6,2,0)	$\psi(\Pi_2 \text{ aft } \lambda\alpha.(\Omega_{\alpha+1} \cdot 2) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)(6,1,1)(5,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+1} \cdot 2) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)- -(6,1,1)(5,1,1)(6,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 2 + 1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,1,1)(4,2,0)(5,2,0)(6,1,1)- -(5,1,1)(6,2,0)(7,2,0)(8,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 3) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)- -(4,1,1)(3,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)- -(3,2,0)(3,1,1)(4,2,0)(5,2,0)(6,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \omega + \Omega_{\alpha+1}) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,2,0)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \omega \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1} + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,2,0)(4,1,1)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1} \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(3,2,0)(4,1,1)(3,2,0)-$ $-(4,1,1)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1} \cdot 3)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,0,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(1) + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(4,0,0)(3,2,0)(4,1,1)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(1) \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,0,0)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,1,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\alpha))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(4,1,1)(3,2,0)(4,1,1)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1}) \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,1,1)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1} + 1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(4,1,1)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1} \cdot 2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(1)))) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,1,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,1,1)(6,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + 1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(3,2,0)(4,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + 1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \Omega_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(4,1,1)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}$ $+ \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(1)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(4,1,1)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}$ $+ \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(4,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}$ $+ \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,0)(4,1,1)(5,2,0)(4,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}$ $+ \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} \cdot 2)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}$ $+ \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + 1)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}$ $+ \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(5,1,1)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}$ $+ \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,2,0)(7,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+1})))) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,2,0)(7,1,1)(8,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})))))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,0)(6,2,0)(7,1,1)(8,2,0)(9,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})))))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,0)(6,2,0)(7,1,1)-$ $-(8,2,0)(9,2,0)(10,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+1})))))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2} \cdot 2)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,2,0)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+1})))))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2})))))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,2,0)-$ $-(4,2,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2})))))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+3})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,0)(4,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+4})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)(4,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+\omega^2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,3,1)(5,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,3,1)(5,3,1)(6,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Pi_1 - \Pi_3 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}((\lambda\alpha'.(\alpha' + 1) - \Pi_0 -)^{\omega} \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}((\lambda\alpha'.(\alpha' + 1) - \Pi_0 -)^{\alpha} \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}((\lambda\alpha'.(\alpha' + 1) - \Pi_0 -)^{\Omega_{\alpha+1}} \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}((\lambda\alpha'.(\alpha' + 1) - \Pi_0 -)^{\Omega_{\alpha+2}} \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}((\lambda\alpha'.(\alpha' + 1) - \Pi_0 -)^{\Omega_{\alpha+3}} \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,3,0)(6,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Pi_2 \text{ aft } \lambda\alpha'.(\alpha' + 1) - \Pi_1 \text{ aft } \alpha)) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Pi_1 - \lambda\alpha'.(\alpha' + 1) - \Pi_1 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + 2) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + \omega) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,0)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' \cdot 2) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+2})) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,5,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+3})) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,0)(3,3,1)-$ $-(4,4,0)(5,5,1)(6,6,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\lambda\alpha''.(\alpha'' + 1) - \Pi_0 \text{ aft } \alpha')) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\alpha + 1) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}))) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)(6,2,0)(7,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})))) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+3})) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)(6,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+\omega})) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha'+1)$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)(6,3,1)-$ $-(7,4,0)(8,4,0)(9,1,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + \Omega_{\alpha+1})$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)-$ $-(7,4,0)(8,4,0)(9,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + \Omega_{\alpha+2})$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)-$ $-(7,4,0)(8,4,0)(9,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + \Omega_{\alpha+3})$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,0)-$ $-(8,4,0)(9,3,0)(8,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' \cdot 2)$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)-$ $-(7,4,0)(8,4,0)(9,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+1})$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,0)-$ $-(8,4,0)(9,3,1)(10,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+2}))$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,0)(8,4,0)-$ $-(9,3,1)(10,4,0)(11,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\psi_{\Omega_{\alpha'+3}}(\Omega_{\alpha'+2})))$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,0)(8,4,0)-$ $-(9,3,1)(10,4,0)(11,4,0)(12,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\psi_{\Omega_{\alpha'+3}}(\psi_{\Omega_{\alpha'+3}}(\Omega_{\alpha'+1}))))$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)-$ $-(7,4,0)(8,4,0)(9,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\psi_{\Omega_{\alpha'+3}}(\psi_{\Omega_{\alpha'+3}}(\Omega_{\alpha'+2}))))$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,0)(8,5,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+3}))$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,0)(8,5,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+\omega}))$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)-$ $-(7,4,0)(8,5,1)(9,6,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\lambda\alpha''.(\alpha''+1) - \Pi_0 \text{ aft } \alpha'))$ $-\Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+2})$ $-\Pi_1 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,1)(7,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha'+1) - \Pi_0 - \lambda\alpha'.(\Omega_{\alpha'+2})$ $- \Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,1)-$ $-(7,4,0)(8,4,0)(9,3,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1 - \lambda\alpha'.(\Omega_{\alpha'+2})$ $- \Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,1)(7,4,0)-$ $-(8,4,0)(9,3,1)(10,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+2})) - \Pi_0 - \lambda\alpha'.(\Omega_{\alpha'+2})$ $- \Pi_0 \text{ aft } \alpha)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 -)^2)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 -)^3)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(3,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \Omega_{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,1)(7,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,0)-$ $-(5,2,0)(6,1,1)(7,2,0)(8,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,0)(5,2,0)-$ $-(6,1,1)(7,2,0)(8,2,0)(9,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+3})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)-$ $-(4,2,0)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha'+1) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)-$ $-(4,2,0)(5,3,1)(6,4,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1 \text{ aft } \alpha)) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,0)(5,3,1)- -(6,4,1)(6,4,0)(7,4,0)- -(8,3,1)(9,4,1)(7,3,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2}$ $+ \psi_{\Omega_{\alpha+2}}(\Pi_1 - \lambda\alpha'.(\Omega_{\alpha'+2}) - \Pi_2 \text{ aft } \alpha)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,0)(5,3,1)- -(6,4,1)(6,4,0)(7,4,0)(8,3,1)(9,4,1)- -(7,3,1)(8,4,0)(9,5,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+2} + \psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+3}))$ $- \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)- -(2,2,0)(3,2,0)(4,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)- -(2,2,0)(3,2,0)(4,1,1)(5,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_2 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)(4,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(3,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_2 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)- -(4,2,1)(3,1,1)(4,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + 1) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_2 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)- -(4,2,1)(3,1,1)(4,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_2 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_3 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)- -(4,2,1)(4,2,0)(5,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \omega) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)- -(4,2,0)(5,2,0)(6,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \Omega_{\alpha+1}) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)- -(4,2,0)(5,2,0)(6,1,1)(7,2,1)	$\psi((\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 -)^2)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)- -(4,2,0)(5,2,0)(6,1,1)(7,2,1)(5,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2 + 1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)- -(5,1,1)(6,2,1)(6,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2 + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)- -(6,2,0)(7,2,0)(8,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2 + \Omega_{\alpha+1}) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)- -(6,2,0)(7,2,0)(8,1,1)(9,2,1)	$\psi((\lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_0 -)^2)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)- -(6,2,0)(7,2,0)(8,1,1)(9,2,1)(7,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)- -(6,2,0)(7,2,0)(8,1,1)- -(9,2,1)(7,1,1)(8,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 4) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)- -(2,2,0)(3,2,0)(4,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_2 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(3,1,1)(4,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2)$ $- \Pi_0 \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(3,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_2 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2)$ $- \Pi_0 \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)- -(4,2,1)(3,1,1)(4,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_2 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_3 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0$ $\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0$ $\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)	$\psi((\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)^2 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_1 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_1 \lambda\alpha.(\Omega_{\alpha+2})$ $- \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,2,0)(3,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_2 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,2,0)(4,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_3 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,2,0)(4,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,2,0)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,2,0)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,2,0)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)- -(6,2,0)(7,2,0)(8,1,1)(9,2,1)(7,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,2,0)(4,2,0)- -(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)- -(6,2,0)(7,2,0)(8,1,1)(9,2,1)- -(7,2,0)(6,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2 + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,1,1)(4,2,1)(4,2,0)-$ $-(5,2,0)(6,1,1)(7,2,1)(5,2,0)(4,2,0)-$ $-(5,2,0)(6,1,1)(7,2,1)(5,1,1)(6,2,1)-$ $-(6,2,0)(7,2,0)(8,1,1)(9,2,1)(7,2,0)-$ $-(6,2,0)(7,2,0)(8,1,1)(9,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(3,2,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)^3)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(3,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega + \Omega_{\alpha+2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(3,1,1)(4,2,1)-$ $-(4,2,0)(5,2,0)(6,1,1)(7,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega + \Omega_{\alpha+2}) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(3,1,1)(4,2,1)-$ $-(4,2,0)(5,2,0)(6,1,1)(7,2,1)-$ $-(5,1,1)(6,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega + \Omega_{\alpha+2} \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(3,1,1)(4,2,1)-$ $-(4,2,0)(5,2,0)(6,1,1)(7,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(3,1,1)(4,2,1)-$ $-(4,2,0)(5,2,0)(6,1,1)(7,2,1)-$ $-(5,2,0)(5,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\Omega_{\alpha+2} \cdot \omega \cdot 2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(3,2,0)(3,1,1)(4,2,1)-$ $-(4,2,0)(5,2,0)(6,1,1)(7,2,1)-$ $-(5,2,0)(5,1,1)(6,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega \cdot 2 + \Omega_{\alpha+2}) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(3,1,1)(4,2,1)- -(4,2,0)(5,2,0)(6,1,1)(7,2,1)(5,2,0)- -(5,1,1)(6,2,1)(6,2,0)(7,2,0)- -(8,1,1)(9,2,1)(7,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega \cdot 3) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(3,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(2)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+1})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,1)- -(5,2,0)(3,2,0)(4,1,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}) \cdot 2)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)- -(4,1,1)(5,2,0)(4,1,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \Omega_{\alpha+1}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,1)- -(5,2,0)(4,1,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)- -(4,1,1)(5,2,0)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} \cdot 2))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)- -(4,1,1)(5,2,0)(6,1,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)- -(4,1,1)(5,2,0)(6,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)- -(4,1,1)(5,2,0)(6,3,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+3}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,1)- -(5,2,0)(6,3,1)(7,4,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0 \text{ aft } \alpha))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,1)(5,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,1)- -(5,2,1)(3,2,0)(4,1,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}))) - \Pi_0)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(3,2,0)(4,1,1)- -(5,2,1)(3,2,0)(4,1,1)(5,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2} \cdot 2)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(4,1,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+1}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(4,1,1)(5,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(4,1,1)- -(5,2,1)(4,1,1)(5,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2} \cdot 2))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,1,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+1})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,1,1)(6,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+2})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)(3,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} + 1)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} + \psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)- -(4,1,1)(5,2,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} + \psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} + \psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)- -(5,1,1)(6,2,1)(6,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} + \psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} + \psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} + \psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} \cdot 2)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)(6,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha+3}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)- -(6,2,0)(7,1,1)(8,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha+2})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)(6,2,0)- -(7,1,1)(8,2,1)(8,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)- -(4,1,1)(5,2,1)(5,2,0)(6,2,0)(7,1,1)- -(8,2,1)(8,2,0)(9,2,0)(10,1,1)(11,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha+2})))) - \Pi_0)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha+3})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha+3})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+4})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,4,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\alpha'.(\Omega_{\alpha'+2}) - \Pi_1 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)-$ $-(3,3,1)(4,4,1)(4,4,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+3}}(\Omega_{\alpha'+4})) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,3,1)-$ $-(4,4,1)(4,4,0)(5,5,1)(6,6,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+3}}(\lambda\alpha''.(\Omega_{\alpha''+2})$ $- \Pi_1 \text{ aft } \alpha')) - \Pi_1 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1 -)^2)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(5,2,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+3} + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+3} + \Omega_{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(5,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+3} + \Omega_{\alpha+2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,1)-$ $-(3,1,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+3} \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,1)(3,1,1)-$ $-(4,2,1)(4,2,1)(4,2,0)(5,2,0)-$ $-(6,1,1)(7,2,1)(7,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+3} \cdot 2) - \Pi_0 -)^2)$

BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(5,2,1)(3,1,1)- -(4,2,1)(4,2,1)(4,2,0)(5,2,0)(6,1,1)- -(7,2,1)(7,2,1)(5,1,1)(6,2,1)(6,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+3} \cdot 3) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)- -(2,2,0)(3,2,0)(4,1,1)- -(5,2,1)(5,2,1)(3,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+3} \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)- -(2,2,0)(3,2,0)(4,1,1)(5,2,1)(5,2,1)- -(3,2,0)(4,1,1)(5,2,1)(5,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha_3})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(5,2,1)- -(4,1,1)(5,2,1)(5,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha_3}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(5,2,1)- -(5,1,1)(6,2,1)(6,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha_3})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(5,2,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha+4})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)- -(5,2,1)(5,2,0)(6,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+5}}(\Omega_{\alpha+4}))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(5,2,1)(5,2,0)- -(6,2,0)(7,1,1)(8,2,1)(8,2,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+5}}(\psi_{\Omega_{\alpha+5}}(\Omega_{\alpha+3})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(5,2,1)(5,2,0)- -(6,2,0)(7,1,1)(8,2,1)(8,2,1)(8,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+5}}(\psi_{\Omega_{\alpha+5}}(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha+4})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)- -(2,2,0)(3,2,0)(4,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\psi_{\Omega_{\alpha+5}}(\psi_{\Omega_{\alpha+5}}(\psi_{\Omega_{\alpha+5}}(\Omega_{\alpha+4})))) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)- -(2,2,0)(3,3,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\Omega_{\alpha+5})) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)- -(2,2,0)(3,3,1)(4,4,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)- -(2,2,0)(3,3,1)(4,4,1)(4,4,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\lambda\alpha'.(\Omega_{\alpha'+3}) - \Pi_1 \text{ aft } \alpha)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,0)- -(3,3,1)(4,4,1)(4,4,1)(4,4,0)(5,5,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+4}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+4}}(\Omega_{\alpha'+4})) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+4}) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,1)(2,2,1)- -(2,2,1)(2,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+5}) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+4}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)-$ $-(3,1,1)(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)(3,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)-$ $-(4,1,1)(5,2,1)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,0)(3,3,1)(4,3,1)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\lambda\alpha'.(\Omega_{\alpha'+\omega}) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,1)(3,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega \cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)-$ $-(2,2,1)(3,0,0)(2,2,1)(3,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega \cdot 3}) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,0,0)(4,1,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\psi(\Omega)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\Omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,1,0)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,1,0)(3,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2} \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\Omega_{\alpha \cdot 2+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(2,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 3}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}}(\Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}}(\lambda\alpha'.(\alpha'+1)-\Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}}(\lambda\alpha'.(\Omega_{\alpha'+1})-\Pi_1 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,1)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}}(\lambda\alpha'.(\Omega_{\alpha'+\alpha})-\Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,1)(6,2,0)(5,0,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}}(\lambda\alpha'.(\Omega_{\alpha' \cdot 2})-\Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,1)(6,2,0)(7,3,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}}(\lambda\alpha'.(\Omega_{\psi_{\Omega_{\alpha'+1}}}(\Omega_{\alpha'+1}))-\Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,0)-$ $-(4,2,1)(5,3,1)(6,2,0)(7,3,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}}(\lambda\alpha'.(\Omega_{\psi_{\Omega_{\alpha'+1}}}(\Omega_{\alpha'+1}))-\Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(2,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}+\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1} \cdot 2}) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(2,2,1)(3,1,1)(2,1,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}\cdot 3}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(3,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}\cdot\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}\cdot\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,0,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(1))}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1}))}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,1,1)(5,1,1)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,0)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha'+1)-\Pi_0 \text{ aft } \alpha)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+2}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+2}+\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(2,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+2}\cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+2}\cdot\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+2}^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3})}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+3}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+4}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+\omega}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha\cdot 2}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,0)(6,2,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\Omega_{\alpha+1}}}) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,1)(6,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\Omega_{\alpha+2}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,1)(6,2,1)(7,0,0)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\Omega_{\alpha+\omega}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,1,1)(6,2,1)(7,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\Omega_{\alpha+1}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + 1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + 1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \Omega_{\alpha+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \Omega_{\alpha+\omega})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \Omega_{\Omega_{\alpha+1}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,1,1)(6,2,1)(7,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \Omega_{\Omega_{\Omega_{\alpha+1}}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1}) \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1}) \cdot \omega)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(3,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1}) \cdot \Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)-$ $-(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1})^2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)-$ $-(4,1,1)(5,2,1)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1})^{\psi_{I_{\alpha+1}}(I_{\alpha+1})})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{\psi_{I_{\alpha+1}}(I_{\alpha+1}+1)}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1} + 1)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(4,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1} + 1))) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1} + 2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(4,2,1)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1} + \Omega_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(4,2,1)-$ $-(5,1,1)(6,2,1)(7,2,0)(6,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1} + 1)))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,2,0)(2,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2 + 1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2 + \psi_{I_{\alpha+1}}(I_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2 + \psi_{I_{\alpha+1}}(I_{\alpha+1} + 1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,1,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2 + \psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,1,1)(4,2,1)-$ $-(5,2,0)(4,2,1)(5,2,0)(4,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2 + \psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2 + 1))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 3)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1)-$ $-(3,2,0)(2,2,1)(3,2,0)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 4)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \omega)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \Omega_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \psi_{I_{\alpha+1}}(I_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,1,1)(4,2,1)(5,2,0)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \Omega_{\alpha+1}))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(3,1,1)(4,2,1)(5,2,0)(5,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \Omega_{\alpha+1}))) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,1,1)-$ $-(4,2,1)(5,2,0)(5,1,1)-$ $-(6,2,1)(7,2,0)(7,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot \Omega_{\alpha+1})))) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^\omega)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^{\Omega_{\alpha+1}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^{I_{\alpha+1}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(4,2,0)(4,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^{I_{\alpha+1}^2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^{I_{\alpha+1}^{I_{\alpha+1}}})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\Omega_{I_{\alpha+1}+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,0)-$ $-(4,3,1)(5,4,1)(6,4,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\lambda\alpha'.(\psi_{I_{\alpha'+1}}(I_{\alpha'+1})) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1})) - \Pi_0 - \lambda\alpha.(I_{\alpha+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)$	$\psi((\lambda\alpha.(I_{\alpha+1}) - \Pi_1)^2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)(3,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(I_{\alpha+1}) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+1} + \Omega_{\alpha+2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(I_{\alpha+1} + \psi_{I_{\alpha+1}}(I_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+1} \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)(3,2,0)$	$\psi(\lambda\alpha.(I_{\alpha+1} \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{I_{\alpha+1}+1}}(\Omega_{I_{\alpha+1}+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+1}) - \Pi_1)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+\psi_{I_{\alpha+1}}(I_{\alpha+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+\psi_{I_{\alpha+1}}(\Omega_{I_{\alpha+1}+1})}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}\cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}\cdot 3}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}\cdot\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)-$ $-(4,1,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}^{I_{\alpha+1}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{I_{\alpha+1}+1}}(\Omega_{I_{\alpha+1}+1})}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{I_{\alpha+1}+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)(4,2,1)(5,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{I_{\alpha+1}+\Omega_{\alpha+1}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)(4,2,1)-$ $-(5,1,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{I_{\alpha+1}\cdot 2}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(I_{\alpha+2})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)(2,2,1)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(I_{\alpha+2} + 1)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(I_{\alpha+2} \cdot 2)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(I_{\alpha+2} \cdot \omega)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(I_{\alpha+2}^2)) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(\Omega_{I_{\alpha+2}+1})) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(2,2,1)(3,2,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+3}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1)-$ $-(3,2,1)(2,2,1)(3,2,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+4}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,0,0)$	$\psi(\lambda\alpha.(I_{\alpha+\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,0,0)(2,2,1)$	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+\omega}+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,0,0)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+\omega+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,0,0)(2,2,1)(3,2,1)(3,0,0)$	$\psi(\lambda\alpha.(I_{\alpha+\omega \cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I_{\alpha \cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,1,0)(2,2,1)(3,2,1)(3,0,0)$	$\psi(\lambda\alpha.(I_{\alpha \cdot 2+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,1,0)(2,2,1)(3,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(I_{\alpha \cdot 3}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)$	$\psi(\lambda\alpha.(I_{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,1,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(I_{\psi_{I_{\alpha+1}}(I_{\alpha+1}))} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(I_{I_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)-$ $-(4,2,1)(5,2,1)(2,2,1)(3,2,1)-$ $-(3,1,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(I_{I_{\alpha+1} \cdot 2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)-$ $-(4,2,1)(5,2,1)(3,1,1)$	$\psi(\lambda\alpha.(I_{I_{\alpha+1} \cdot \Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)-$ $-(4,2,1)(5,2,1)(4,2,1)$	$\psi(\lambda\alpha.(I_{\Omega_{I_{\alpha+1}+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(I_{I_{\alpha+2}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)-$ $-(4,2,1)(5,2,1)(5,1,1)$	$\psi(\lambda\alpha.(I_{I_{\Omega_{\alpha+1}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(I(1,\alpha+1))) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(I(1,\alpha+1)+1))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(I(1,\alpha+1)\cdot 2))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(I(1,\alpha+1)\cdot\omega))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(\Omega_{I(1,\alpha+1)+1}))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(1,\alpha+1))-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(2,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(1,\alpha+2))-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(3,0,0)$	$\psi(\lambda\alpha.(I(1,\alpha+\omega))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(3,1,1)$	$\psi(\lambda\alpha.(I(1,\Omega_{\alpha+1}))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\psi_{I(2,\alpha+1)}(I(2,\alpha+1)))-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(2,\alpha+1))-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(3,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(I(3,\alpha+1))-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,0,0)$	$\psi(\lambda\alpha.(I(\omega,\alpha+1))-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((2\ 1-)^{\alpha}\text{ aft }\alpha)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,1,0)(3,2,1)$	$\psi(\lambda\alpha.((2\ 1-)^{\alpha+1}\text{ aft }\alpha)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,1,0)(3,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((2\ 1-)^{\alpha\cdot 2}\text{ aft }\alpha)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})}\text{ aft }\alpha)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,1,1)$	$\psi(\lambda\alpha.((2\ 1-)^{\Omega_{\alpha+1}}\text{ aft }\alpha)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,1,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.((2\ 1-)^{2\ 1-2}\text{ aft }\alpha\text{ aft }\alpha)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,1,1)(5,2,1)(6,2,1)(7,1,1)$	$\psi(\lambda\alpha.((2\ 1-)^{(2\ 1-)^{\Omega_{\alpha+1}}}\text{ aft }\alpha)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(1,0)}\text{ aft }\alpha)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)$	$\psi(\lambda\alpha.(2\text{ aft }(2\ 1-)^{(1,0)}\text{ aft }\alpha)-\Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2\ 1-2\ \text{aft}\ (2\ 1-)^{(1,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((2\ 1-)^{\alpha}\ \text{aft}\ (2\ 1-)^{(1,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)(4,1,1)$	$\psi(\lambda\alpha.((2\ 1-)^{\Omega_{\alpha+1}}\ \text{aft}\ (2\ 1-)^{(1,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(2,2,1)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.(2\text{nd}\ (2\ 1-)^{(1,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(1 - (2\ 1-)^{(1,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,2,0)$	$\psi(\lambda\alpha.((1-)^{(1,0)}(2\ 1-)^{(1,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.((2\ 1-)^{(1,1)}\ \text{aft}\ \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.((2\ 1-)^{(1,2)}\ \text{aft}\ \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(2,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,0)-$ $-(3,2,1)(4,2,0)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(3,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,0,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(\omega,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,1,1)$	$\psi(\lambda\alpha.((2\ 1-)^{(\Omega_{\alpha+1},0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(1,0,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.((2\ 1-)^{(1,0,1)}\ \text{aft}\ \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(1,1,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)(3,2,1)(4,2,0)(4,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(2,0,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)(4,0,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(\omega,0,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(4,2,0)(4,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(1,0,0,0)}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(5,0,0)$	$\psi(\lambda\alpha.((2\ 1-)^{(1\textcircled{\omega})}\ \text{aft}\ \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\psi_{2-2}\ \text{aft}\ \alpha(2\ \text{aft}\ 2-2\ \text{aft}\ \alpha)) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,0)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\psi_{2-2 \text{ aft } \alpha}(\lambda\alpha'.(\alpha'+1) - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - 2 \text{ aft } 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(2,2,1)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2 \text{ } 1-)^{(1,0)} \text{ aft } 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2\text{nd } 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(2,2,1)(3,2,1)(4,2,1)-$ $-(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(3\text{rd } 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,0,0)$	$\psi(\lambda\alpha.(1 - 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,1,0)$	$\psi(\lambda\alpha.((1-)^{\alpha} 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,1,1)$	$\psi(\lambda\alpha.((1-)^{\Omega_{\alpha+1}} 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,0)$	$\psi(\lambda\alpha.((1-)^{(1,0)} 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\psi_{2 \text{ } 1-2-2 \text{ aft } \alpha}(2 \text{ aft } 2 \text{ } 1 - 2 - 2 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - 2 \text{ } 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2 \text{ } 1-)^{(1,0)} 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ } 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ } 1 - 2 - 2 \text{ } 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,0,0)$	$\psi(\lambda\alpha.((2 - 2 \text{ } 1-)^{\omega} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2 - 2 \text{ } 1-)^{(1,0)} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(4,2,1)(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ aft } 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(4,2,1)(2,2,1)(3,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2\text{nd } 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(3,0,0)$	$\psi(\lambda\alpha.(1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ } 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(3,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 \text{ } 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(4,2,1)(3,2,1)(4,2,1)(4,2,1)-$ $-(3,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 \text{ } 1 - 2 - 2 - 2$ $1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2 - 2 - 2 \text{ } 1 - )^{(1,0)} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(4,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.((2-)^{\omega} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.((2-)^{(1,0)} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - (2-)^{(1,0)} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ } 1 - (2-)^{(1,0)} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(3,2,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.((2-)^{(1,0)} \text{ } 1 - (2-)^{(1,0)} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,0)$	$\psi(\lambda\alpha.(((2-)^{(1,0)} \text{ } 1 - )^{(1,0)} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)$	$\psi(\lambda\alpha.((2-)^{(1,1)} \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.((2-)^{(2,0)} \text{ aft } \alpha) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(5,2,0)$	$\psi(\lambda\alpha.((2-)^{(1,0,0)} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\psi_3 \text{ aft } \alpha(2 \text{ aft } 3 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } 3 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ aft } 3 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(2,2,1)(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(2\text{nd } 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(3,0,0)$	$\psi(\lambda\alpha.(1 - 3 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - 3 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ } 1 - 3 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ } 1 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(3,2,1)(4,2,1)(5,2,1)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ } 1 - 3 \text{ } 1 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 3 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 3 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ } 2 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,1)-$ $-(5,2,1)(4,2,1)(5,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 \text{ } 2 - 3 \text{ } 2 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)(5,2,1)$	$\psi(\lambda\alpha.(3 - 3 - 3 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(4 \text{ aft } \alpha) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,1)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(5 \text{ aft } \alpha) - \Pi_4)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 \text{ aft } \alpha) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,1,0)(3,2,0)$	$\psi(\Pi_2 \text{ aft } \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,1,1)(3,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,1,1)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0)$ $- \Pi_0 \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,1,1)(3,2,1)(4,3,0)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)$	$\psi(\lambda\alpha.(\alpha+1) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,2,0)(3,1,1)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0 \lambda\alpha.(\alpha+1)$ $- \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,2,0)(3,1,1)(4,2,1)(5,3,0)(4,2,0)$	$\psi(\lambda\alpha.(\alpha+2) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)$ - $-(3,1,1)(4,2,1)(5,3,0)(4,2,0)$ - $-(5,1,1)(6,2,1)(7,3,0)(6,2,0)$	$\psi(\lambda\alpha.(\alpha+3) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\alpha+\omega) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,2,0)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\alpha+\omega^2) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,2,0)(3,2,0)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)$ - $-(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)$ - $-(3,2,0)(4,1,1)(3,1,1)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0 \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2$ $- \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)$ - $-(3,2,0)(4,1,1)(3,1,1)$ - $-(4,2,1)(5,3,0)(4,2,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + 1) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)$ - $-(3,2,0)(4,1,1)(3,1,1)(4,2,1)$ - $-(5,3,0)(4,2,0)(5,2,0)(6,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 2) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$



BMS	稳定 OCF
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(3,1,1)(4,2,1)(5,3,0)- -(4,2,0)(5,2,0)(6,1,1)(5,1,1)(6,2,1)- -(7,3,0)(6,2,0)(7,2,0)(8,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 3) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)- -(2,2,0)(3,2,0)(4,1,1)(3,2,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \omega) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)- -(2,2,0)(3,2,0)(4,1,1)(3,2,0)(4,1,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1}))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)- -(2,2,0)(3,2,0)(4,1,1)(4,1,1)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+1})))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)- -(2,2,0)(3,2,0)(4,1,1)(5,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,0)(6,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,0)(6,2,0)(7,2,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}))))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,0)(6,3,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+3}))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(5,2,0)(6,3,0)	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(5,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,1,0)(2,0,0)	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,1,1)	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}}) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,2,0)	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}))$ $- \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,2,1)	$\psi(\lambda\alpha.(I_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)(6,2,1)(5,2,1)	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+1}) - \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)- -(3,2,0)(4,1,1)(5,2,1)- -(6,2,1)(5,2,1)(6,2,1)	$\psi(\lambda\alpha.(I_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)(6,2,1)$	$\psi(\lambda\alpha.(2\ 1 - 2\ 1 - 2 \text{ aft } \alpha)$ $-\Pi_1 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,2,1)(6,2,1)(6,2,1)$	$\psi(\lambda\alpha.(2\ 1 - 2\ 1 - 2\ 1 - 2 \text{ aft } \alpha)$ $-\Pi_1 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)(7,1,0)$	$\psi(\lambda\alpha.((2\ 1 -)^{\alpha} \text{ aft } \alpha)$ $-\Pi_0 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)(7,2,0)$	$\psi(\lambda\alpha.((2\ 1 -)^{(1,0)} \text{ aft } \alpha)$ $-\Pi_0 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ aft } \alpha) - \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,2,1)(7,2,1)(6,2,1)$	$\psi(\lambda\alpha.(2\ 1 - 2 - 2 \text{ aft } \alpha)$ $-\Pi_1 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)-$ $-(7,2,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(2 - 2\ 1 - 2 - 2 \text{ aft } \alpha)$ $-\Pi_1 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,2,1)(7,2,1)(7,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 \text{ aft } \alpha)$ $-\Pi_1 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,2,1)(7,2,1)(7,2,1)(7,2,1)$	$\psi(\lambda\alpha.(2 - 2 - 2 - 2 \text{ aft } \alpha)$ $-\Pi_1 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,2,1)(7,2,1)(8,2,0)$	$\psi(\lambda\alpha.((2 -)^{(1,0)} \text{ aft } \alpha)$ $-\Pi_0 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,2,1)(7,2,1)(8,2,1)$	$\psi(\lambda\alpha.(3 \text{ aft } \alpha) - \Pi_2 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)-$ $-(7,2,1)(8,2,1)(9,2,1)$	$\psi(\lambda\alpha.(4 \text{ aft } \alpha) - \Pi_3 - \lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0$ $-\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,3,0)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 + 1) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)-$ $-(6,3,0)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 + \Omega_{\alpha+2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)-$ $-(3,1,1)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)(3,1,1)-$ $-(4,2,1)(5,3,0)(4,2,0)(5,2,0)-$ $-(6,1,1)(7,2,1)(8,3,0)$	$\psi((\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \cdot 2) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)(3,1,1)-$ $-(4,2,1)(5,3,0)(4,2,0)(5,2,0)(6,1,1)-$ $-(7,2,1)(8,3,0)(5,1,1)(6,2,1)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0}$ $(\Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,0)(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0}$ $(2\text{nd } \Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(2,2,1)$	$\psi(\lambda\alpha.(2\text{nd } \Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_1 - \Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,1,1)$	$\psi(\lambda\alpha.((\Pi_1 -)^{\Omega_{\alpha+1}} \Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.((\Pi_1 -)^{(1,0)} \Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \Pi_2$ $\Pi_1 - \Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \Pi_2 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Pi_3 \text{ aft } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(2\text{nd } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(2,2,1)(3,3,0)(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(3\text{rd } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Pi_1 -)^{\alpha} \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,1,1)$	$\psi(\lambda\alpha.((\Pi_1 -)^{\Omega_{\alpha+1}} \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,2,0)$	$\psi(\lambda\alpha.((\Pi_1 -)^{(1,0)} \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_1 - \Pi_2 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \Pi_2 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \Pi_2 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Pi_3 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_0 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1) - \Pi_0 \Pi_1 -)^2 \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(4,2,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1) - \Pi_0 \Pi_1 -)^{(1,0)} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(4,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(4,2,1)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \Pi_2 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \Pi_2 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Pi_3 - \Pi_2 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,2,1)(4,3,0)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \Pi_2 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,2,1)-$ $-(4,3,0)(4,2,1)(5,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\Pi_3 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(3,3,0)(3,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0-)^3)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0-)^{\omega})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0-)^{\alpha})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,1,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0-)^{\Omega_{\alpha+1}})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,2,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0-)^{(1,0)})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \lambda\beta.(\beta+1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(3,2,1)(4,3,0)(5,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \lambda\beta.(\beta+1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 - \lambda\beta.(\beta+1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(3,3,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_1 \lambda\beta.(\beta+1) - \Pi_0 - \lambda\beta.(\beta+1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_1 - \lambda\beta.(\beta+1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_3) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(5,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+2) - \Pi_0 - \lambda\beta.(\beta+2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(5,3,0)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+2) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,2,1)(5,3,0)(6,2,1)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+\omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(3,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+\omega) - \Pi_0 - \lambda\beta.(\beta+\omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+\omega) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+\omega+1) - \Pi_0) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(4,2,1)(5,3,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \omega \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \omega^2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Omega_{\alpha+1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,1)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Omega_{\alpha+2}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,1)(6,2,1)(7,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Omega_{\alpha+\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + I_{\alpha+1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,1)(6,2,1)(7,2,1)(8,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Pi_2 - \Pi_2 \text{ aft } \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,1,1)(6,2,1)(7,2,1)(8,2,1)(9,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Pi_3 \text{ aft } \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,1,1)(6,2,1)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + 1) - \Pi_0 \text{ aft } \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,1,1)(6,2,1)(7,3,0)(8,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + \omega) - \Pi_0 \text{ aft } \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,1,1)(6,2,1)(7,3,0)(8,3,0)(9,1,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + \alpha) - \Pi_0 \text{ aft } \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,1,1)(6,2,1)(7,3,0)(8,3,0)-$ $-(9,1,1)(10,2,1)(11,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + \lambda\beta.(\beta + 1) - \Pi_0 \text{ aft } \alpha) - \Pi_0 \text{ aft } \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 2) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(4,2,1)(5,3,0)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(4,3,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta^2) - \Pi_0) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(4,3,0)(5,2,0)(4,3,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta^3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta^\beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta^{\beta^\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\Omega_{\beta+1})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,3,1)(7,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\Omega_{\alpha'+2}) - \Pi_1 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,0)(6,3,1)(7,4,1)(8,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\beta' + 1) - \Pi_0)$ $- \Pi_0 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(6,3,1)(7,4,1)(8,5,0)(9,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\beta' + \omega) - \Pi_0)$ $- \Pi_0 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(6,3,1)(7,4,1)-$ $-(8,5,0)(9,5,0)(10,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\beta' \cdot 2) - \Pi_0)$ $- \Pi_0 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(6,3,1)(7,4,1)(8,5,0)-$ $-(9,5,0)(10,4,0)(11,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\psi_{\Omega_{\beta'+1}}(\Omega_{\beta'+1})) - \Pi_0)$ $- \Pi_0 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,0)(6,3,1)(7,4,1)(8,5,0)(9,5,0)-$ $-(10,4,0)(11,5,1)(12,6,1)(13,7,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\psi_{\Omega_{\beta'+1}}(\lambda\alpha''.(\lambda\beta''.(\beta'' + 1) - \Pi_0)$ $- \Pi_0 \text{ aft } \beta')) - \Pi_0) - \Pi_0 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,1)(4,2,1)(5,3,0)(6,3,0)(7,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1} \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,1)(4,2,1)(5,3,0)(6,3,0)(7,2,1)-$ $-(6,2,1)(7,3,0)(8,3,0)(9,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1} \cdot 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1} \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}^2) - \Pi_0) - \Pi_0)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\psi_{\Omega_{\beta+3}}(\Omega_{\beta+2}))) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,0)(7,3,0)(8,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\psi_{\Omega_{\beta+3}}(\psi_{\Omega_{\beta+3}}(\Omega_{\beta+1})))) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,3,0)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,1)(9,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\psi_{\Omega_{\beta+3}}(\psi_{\Omega_{\beta+3}}(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2})))))) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)-$ $-(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\psi_{\Omega_{\beta+3}}(\psi_{\Omega_{\beta+3}}(\Omega_{\beta+2})))) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+3})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(3,3,0)(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1 - \lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_1)^2 - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,1)(4,2,1)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2} \cdot 2) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2} \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+3}}(\Omega_{\beta+3})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(3,3,0)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+3}}(\Omega_{\beta+4})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+3}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(3,3,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+4}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)-$ $-(3,3,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+\alpha}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,1,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+\Omega_{\alpha+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta \cdot 2}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\Omega_{\beta+1}}) - \Pi_0) - \Pi_0)$



BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,2,1)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\Omega_{\beta+2}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,2,1)(5,3,1)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\Omega_{\beta+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{I_{\beta+1}}(I_{\beta+1})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,0)(3,3,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{I_{\beta+1}}(I_{\beta+1} \cdot 2)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,0)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{I_{\beta+1}}(\Omega_{I_{\beta+1}+1})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(I_{\beta+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{I_{\beta+1}+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(3,3,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(I_{\beta+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(4,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_1 -)^{\alpha} \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_1 -)^{\beta} \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_1 -)^{\Omega_{\beta+1}} \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(4,2,1)(5,3,1)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_1 -)^{\Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta}$ $\Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_1 -)^{(1,0)} \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(4,3,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \Pi_1 - \Pi_2$ $\Pi_1 - \Pi_2 \Pi_1 - \Pi_2 \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_2 \Pi_1 -)^{\alpha} \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_2 \Pi_1 -)^{\beta} \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_2 \Pi_1 -)^{(1,0)} \text{ aft } \beta) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 - \Pi_2 \text{ aft } \beta) - \Pi_1) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,3,1)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 - \Pi_2 - \Pi_2 \text{ aft } \beta) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,3,1)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_3 \text{ aft } \beta) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,3,1)(5,3,1)(6,3,1)(7,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_4 \text{ aft } \beta) - \Pi_3) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0$ $- \lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_1 - \lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0$ $- \lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \text{ aft } \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(2\text{nd } \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(4,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_1 - \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \Pi_1 - \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1)$ $- \Pi_0 \Pi_1 - \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(4,3,1)(5,4,0)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 - \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0$ $- \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 2) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,0)(5,4,0)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+1}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+2}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+3}) - \Pi_1) - \Pi_1) - \Pi_1)$

BMS	稳定 OCF
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(I_{\gamma+1}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,4,1)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Pi_2 \Pi_1 - \Pi_2 \Pi_1 - \Pi_2$ $\text{aft } \gamma) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,4,1)(6,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Pi_2 - \Pi_2 \text{ aft } \gamma) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,4,1)(6,4,1)(7,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Pi_3 \text{ aft } \gamma) - \Pi_2) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\delta + 1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,5,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\Omega_{\delta+2}) - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,1)(3,3,1)-$ $-(4,4,1)(5,5,1)(6,6,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\lambda\epsilon.(\epsilon + 1)$ $- \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0)$ p.f.e.c.LRO

## A.14 BMS vs 方括号稳定 (梅天狸.ver)

本节的结果主要引自 [6,32-37]。

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,0)$	$\psi((\omega - \pi - \Pi_0) \cdot \Omega)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)$	$\psi(1 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi((1-)^{1,0} (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,1,1)$	$\psi(2 \text{ } 1 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,0)$	$\psi((\lambda\alpha.(\alpha + 1) - \Pi_0) \text{ } 1 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,0)(4,2,0)(5,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0) \text{ } 1 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,0)(4,2,0)(5,1,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1) \text{ } 1 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1) \text{ } 1 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,2)$	$\psi((\omega - \pi - \Pi_0) \text{ } 1 - (\omega - \pi - \Pi_0))$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)-$ $-(2,1,1)(3,2,2)(3,1,1)$	$\psi(1 - 2 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,2)(3,1,1)(4,2,2)$	$\psi((\omega - \pi - \Pi_0) \ 2 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,2)(3,1,1)(4,2,2)(4,1,1)$	$\psi(1 - 3 - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)$	$\psi((\lambda\alpha.(\alpha + 1) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,2)$	$\psi((\omega - \pi - \Pi_0)$ $(\lambda\alpha.(\alpha + 1) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,2)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\alpha + 1) - \Pi_1) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,2)(4,2,0)$	$\psi((\lambda\alpha.(\alpha + 2) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)$	$\psi((\lambda\alpha.(\alpha + \omega) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,0)(5,2,0)$	$\psi((\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,0)(5,2,1)(6,3,2)$	$\psi((\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\omega - \pi - \Pi_0))$ $-\Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)$	$\psi((\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(0)) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,0)(6,3,1)(7,4,2)(7,4,0)$	$\psi((\lambda\alpha.(\psi_{\Omega_{\alpha+2}}((\lambda\beta.(\beta + 1) - \Pi_0)$ $-(\omega - \pi - \Pi_0)) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)$	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)$	$\psi((\lambda\alpha.(I_{\alpha+1}) - \Pi_1) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,3,0)$	$\psi((\lambda\alpha.(\lambda\beta.(\beta + 1)$ $-\Pi_0) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(6,3,1)(7,4,0)$	$\psi((\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1)$ $-\Pi_0) - \Pi_0) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)$	$\psi((\lambda\alpha.(\omega - \pi - \Pi_0$ $\text{aft } \alpha) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(2,2,0)$	$\psi((\lambda\alpha.(\alpha + 1) - \Pi_0) - (\lambda\alpha.(\omega - \pi - \Pi_0$ $\text{aft } \alpha) - \Pi_0) - (\omega - \pi - \Pi_0))$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)$	$\psi((\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$ $-(\lambda\alpha.(\omega - \pi - \Pi_0$ $\text{aft } \alpha) - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(3,0,0)$	$\psi((\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0 -)^\omega)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0 -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,1,1)$	$\psi(1 - (\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,1,1)(4,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,1,1)(4,2,2)(2,2,0)$	$\psi((\lambda\alpha.(\alpha + 1) - \Pi_0) - (\lambda\alpha.((\omega - \pi - \Pi_0$ $\text{aft } \alpha) \cdot 2) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,1,1)(4,2,2)(4,2,0)$	$\psi((\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) + 1) - \Pi_0)$ $-(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) \cdot 2) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,1,1)(4,2,2)(4,2,0)-$ $-(5,2,0)(6,1,1)(7,2,2)(5,1,1)(6,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) \cdot 3) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(3,2,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,2,0)(3,2,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) \cdot \omega^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) \cdot \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha) \cdot \Omega_{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,2,0)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha)^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha)^\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(4,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha)^{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 \text{ aft } \alpha)^{(\omega - \pi - \Pi_0 \text{ aft } \alpha)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(5,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(5,2,0)(6,2,0)$	$\psi(\lambda\alpha.((1-)^{2,0} \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(5,2,0)(6,2,0)(6,2,0)$	$\psi(\lambda\alpha.((1-)^{3,0} \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(5,2,0)-$ $-(6,2,0)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((1-)^{\alpha,0} \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(5,2,0)(6,2,0)(7,1,1)$	$\psi(\lambda\alpha.((1-)^{\Omega_{\alpha+1},0} \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(5,2,0)-$ $-(6,2,0)(7,1,1)(8,2,2)$	$\psi(\lambda\alpha.((1-)^{\omega-\pi-\Pi_0} \text{ aft } \alpha,0$ $\text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0,0} \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,2,0)(5,2,0)$	$\psi(\lambda\alpha.((1-)^{1\oplus(1,0)}$ $\text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,0,0)$	$\psi(\lambda\alpha.(1 - 2 \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} 2 \text{ aft } \omega - \pi - \Pi_0$ $\text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 1 - 2 \text{ aft } \omega - \pi - \Pi_0$ $\text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0$ $\text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(2\text{nd } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } 2\text{nd } \omega - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(3\text{rd } \omega - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,0,0)$	$\psi(\lambda\alpha.(1 - (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((1-)^{\alpha} (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,1,1)(4,2,2)$	$\psi(\lambda\alpha.((1-)^{\omega-\pi-\Pi_0} (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} (\omega - \pi - \Pi_0)) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)$	$\psi(\lambda\alpha.(2\ 1 - (\omega - \pi - \Pi_0)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.((2\ 1-)^{1,0} (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 - 2\ 1 - (\omega - \pi - \Pi_0)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((2-)^{\alpha} 1 - (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.((2-)^{1,0} 1 - (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0$ $1 - (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0)$ $1 - (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(4,3,2)(4,2,0)$	$\psi(\lambda\alpha.(((\omega - \pi - \Pi_0)$ $1-)^{1,0} (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(4,3,2)(4,2,1)$	$\psi(\lambda\alpha.(2 - (\omega - \pi - \Pi_0)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0)$ $-(\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,0)(4,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + \omega) - \Pi_0) - (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,0)(4,3,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + \alpha) - \Pi_0) - (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta \cdot 2) - \Pi_0) - (\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\Omega_{\beta+1}) - \Pi_1) - (\omega - \pi - \Pi_0)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - (\omega - \pi - \Pi_0)) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0)$ $-(\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\omega - \pi - \Pi_0 \text{ aft } \beta) - \Pi_0)$ $-(\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\omega - \pi - \Pi_0 \text{ aft } \beta) - \Pi_0)$ $-(\lambda\beta.(\omega - \pi - \Pi_0 \text{ aft } \beta) - \Pi_0)$ $-(\omega - \pi - \Pi_0)) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)-$ $-(6,3,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\omega - \pi - \Pi_0 \text{ aft } \beta) - \Pi_0 -)^\alpha$ $(\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)(4,2,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\omega - \pi - \Pi_0 \text{ aft } \beta) - \Pi_0 -)^{1,0}$ $(\omega - \pi - \Pi_0)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0$ $\text{aft } \beta) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0$ $\text{aft } \beta) + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((1-)^{1,0} \text{ aft}$ $(\omega - \pi - \Pi_0 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((1-)^{1,0,0} \text{ aft}$ $(\omega - \pi - \Pi_0 \text{ aft } \beta)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(2 \text{ aft}$ $(\omega - \pi - \Pi_0 \text{ aft } \beta)) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)(4,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.(2\text{nd } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(3,3,1)(4,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.(3\text{rd } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.((1-)^{\alpha} (\omega - \pi - \Pi_0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((1-)^{\beta} (\omega - \pi - \Pi_0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((1-)^{1,0} (\omega - \pi - \Pi_0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\lambda\gamma.(\gamma + 1) - \Pi_0)$ $-(\omega - \pi - \Pi_0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(4,4,0)-$ $-(5,4,0)(6,3,1)(7,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.((\lambda\gamma.(\omega - \pi - \Pi_0 \text{ aft } \gamma) - \Pi_0)$ $-(\omega - \pi - \Pi_0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(4,4,1)(5,5,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(2\text{nd}$ $\omega - \pi - \Pi_0 \text{ aft } \gamma) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 \text{ onto } \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)$	$\psi((\omega - \pi - \Pi_0) - (\omega - \pi - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^3)$
$(0,0,0)(1,1,1)(2,2,2)(3,0,0)$	$\psi((\omega - \pi - \Pi_0 -)^\omega)$



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$(0,0,0)(1,1,1)(2,2,2)(3,1,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\Omega})$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -)^{\alpha} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,1)(3,3,2)(3,3,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,1)(3,3,2)(4,1,0)$	$\psi(\lambda\alpha.2\text{nd } (\omega - \pi - \Pi_0 -)^{\alpha} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(2,2,1)(3,3,2)(4,1,0)$	$\psi(\lambda\alpha.3\text{rd } (\omega - \pi - \Pi_0 -)^{\alpha} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,0,0)$	$\psi(\lambda\alpha.(1 - (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((1-)^{\alpha} (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,1,1)$	$\psi(\lambda\alpha.((1-)^{\Omega_{\alpha+1}} (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,1,1)(4,2,2)$	$\psi(\lambda\alpha.((1-)^{\omega-\pi-\Pi_0} (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,1,1)(4,2,2)(5,1,0)$	$\psi(\lambda\alpha.((1-)^{(\omega-\pi-\Pi_0-)^{\alpha}} (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,2,1)-$ $-(4,3,2)(5,1,0)(4,2,1)$	$\psi(\lambda\alpha.(2 - (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0) - (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,3,0)-$ $-(4,3,0)(5,2,1)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\omega - \pi - \Pi_0 \text{ aft } \beta) - \Pi_0) - (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,3,0)(4,3,0)-$ $-(5,2,1)(6,3,2)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\omega - \pi - \Pi_0 -)^{\alpha} \text{ aft } \beta) - \Pi_0) - (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)- -(3,3,2)(4,1,0)(3,3,0)(4,3,0)- -(5,2,1)(6,3,2)(7,1,0)(4,2,1)	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\alpha} \text{ aft } \beta) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)- -(3,3,2)(4,1,0)(3,3,1)	$\psi(\lambda\alpha.(\lambda\beta.(2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)- -(3,3,2)(4,1,0)(3,3,1)- -(4,4,2)(5,1,0)(4,4,1)	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,2)	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -)^{\alpha+1} - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,2)- -(3,1,0)(2,0,0)	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -)^{\alpha \cdot 2} - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,0)- -(3,1,0)(2,0,0)	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -)^{\alpha^2} - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,0)(4,2,0)	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -)^{\psi_{\Omega_{\alpha+1}}(0)} - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}} - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)(4,2,1)	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+2}} - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)- -(4,2,1)(5,3,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\beta+1)-\Pi_0} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)(4,2,2)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\omega - \pi - \Pi_0 - \text{ aft } \beta) - \Pi_0} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)- -(4,2,2)(4,2,2)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\omega - \pi - \Pi_0 -)^2 \text{ aft } \beta - \Pi_0} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)- -(4,2,2)(5,1,0)(2,0,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\omega - \pi - \Pi_0 -)^{\alpha} \text{ aft } \beta - \Pi_0} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)- -(4,2,2)(5,1,1)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}} \text{ aft } \beta - \Pi_0} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)- -(4,2,2)(5,1,1)(6,2,1)(7,3,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\beta+1)-\Pi_0-\Pi_0} - \Pi_0} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,1,1)- -(4,2,2)(5,1,1)(6,2,2)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\omega - \pi - \Pi_0 -)^{\lambda\beta.(\omega - \pi - \Pi_0 - \text{ aft } \beta) - \Pi_0} - \Pi_0} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)	$\psi(\lambda\alpha.(2 \text{ aft } \lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)- -(2,2,1)(3,3,2)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0) - \Pi_0 \text{ aft } \lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)- -(2,2,1)(3,3,2)(3,3,2)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^2 - \Pi_0 \text{ aft } \lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\alpha} - \Pi_0 \text{ aft}$ $\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)$	$\psi(\lambda\alpha.(2\text{nd } \lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(2,2,1)(3,3,2)(4,2,0)$	$\psi(\lambda\alpha.(3\text{rd } \lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} \lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - \lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 -$ $\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(2 \text{ aft}$ $(\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,1)(4,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0) \text{ aft}$ $(\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,1)-$ $-(4,4,2)(5,2,0)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(2 \text{ aft}$ $(\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta+1} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta+\alpha} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta+\Omega_{\alpha+1}} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta+\lambda\beta.(\omega-\pi-\Pi_0 \text{ aft } \beta)-\Pi_0 - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,1)-$ $-(5,2,2)(6,1,1)(7,2,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta+\lambda\beta.((\omega-\pi-\Pi_0-)^{(\lambda\beta.(\omega-\pi-\Pi_0 \text{ aft } \beta)-\Pi_0)})-\Pi_0$ $-\Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)-$ $-(4,1,1)(5,2,2)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta+\lambda\beta.((\omega-\pi-\Pi_0-)^{\beta})-\Pi_0 - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,1)-$ $-(5,2,2)(6,2,0)(3,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta+\lambda\beta.((\omega-\pi-\Pi_0-)^{\beta})-\Pi_0+1 - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,1)-$ $-(5,2,2)(6,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta+\lambda\beta.((\omega-\pi-\Pi_0-)^{\beta})-\Pi_0 \cdot \alpha - \Pi_0) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(4,1,1)(5,2,2)(6,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0)^2 - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)- -(5,2,2)(6,2,0)(5,1,1)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0)^{\Omega_{\alpha+1}} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,1,1)(6,2,2)(7,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0)^{(\lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0)}$ $- \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)- -(5,2,2)(6,2,0)(5,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + ((1-)^{1,0} \text{ aft } \lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)- -(5,2,2)(6,2,0)(5,2,1)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (2 \text{ aft } \lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)(7,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (2\text{nd } \lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)(7,2,0)(6,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + ((1-)^{1,0} \lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)(7,2,0)(6,2,1)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (2 - \lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)(7,2,0)(6,3,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)(7,2,0)(6,3,1)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.(2 \text{ aft } (\omega - \pi - \Pi_0 -)^\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)(7,2,0)(6,3,1)- -(7,4,2)(8,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.(2\text{nd } (\omega - \pi - \Pi_0 -)^\beta) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)(7,2,0)(6,3,2)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta+1}) - \Pi_0) - \Pi_0) - \Pi_0)$

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(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)- -(7,2,0)(6,3,2)(6,3,2)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta+2}) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,2)- -(6,2,0)(5,2,1)(6,3,2)(7,2,0)- -(6,3,2)(7,1,1)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $\beta + (\lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta+\Omega_{\alpha+1}}) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta \cdot 2} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)(4,2,0)(3,3,2)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta \cdot 2+1} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(3,3,2)- -(4,2,0)(3,3,2)(4,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta \cdot 3} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta \cdot \alpha} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(4,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta^2} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(5,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta^\beta} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,0)(5,3,0)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\psi_{\Omega_{\beta+1}}(0)} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)- -(2,2,1)(3,3,2)(4,2,1)	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\Omega_{\beta+1}} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)- -(2,2,1)(3,3,2)(4,2,1)(5,3,0)	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega - \pi - \Pi_0 -)$ $\lambda\gamma.(\gamma+1) - \Pi_0 - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)- -(2,2,1)(3,3,2)(4,2,1)(5,3,2)	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega - \pi - \Pi_0 -)$ $\lambda\gamma.(\omega - \pi - \Pi_0 \text{ aft } \gamma) - \Pi_0 - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,1)(5,3,2)(6,1,0)(2,0,0)	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega - \pi - \Pi_0 -)$ $(\lambda\gamma.(\omega - \pi - \Pi_0 -)^\alpha) - \Pi_0 - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,2,1)(5,3,2)(6,2,0)	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega - \pi - \Pi_0 -)$ $(\lambda\gamma.(\omega - \pi - \Pi_0 -)^\beta) - \Pi_0 - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)- -(2,2,1)(3,3,2)(4,3,0)	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.$ $(\omega - \pi - \Pi_0 -)^\gamma - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)- -(3,3,2)(4,3,0)(3,3,1)(4,4,2)(5,4,0)	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.$ $(\omega - \pi - \Pi_0 -)^\delta - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)	$\psi((\omega - \pi - \Pi_0 -)^{1,0})$ $= \psi(\psi_{\omega - \pi - \Pi_1}(0))$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,0)(4,3,2)$	$\psi(2\text{nd } (\omega - \pi - \Pi_0 -)^{1,0})$ $= \psi(\psi_X(1))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,1)$	$\psi(1 - (\omega - \pi - \Pi_0 -)^{1,0})$ $= \psi(\psi_X(\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{1,1})$ $= \psi(X)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,2,2)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{1,2})$ $= \psi(X^2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0)^{1,\alpha} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(3,1,1)(4,2,2)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)$ $1, \lambda\beta.(\omega - \pi - \Pi_0 -)^{1,0} - \Pi_0 - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{1,\beta} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{2,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,2)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{2,1})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,2)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{3,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,0,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\omega,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{1,0,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{1\otimes(1,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,3,0)$	$\psi(\psi_{\Omega_{X+1}}(0))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,0)(5,3,0)$	$\psi(\Omega_{X+1})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,3,1)$	$\psi(\Omega_{X+\omega})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,1)(5,4,2)$	$\psi(\omega - \pi - \Pi_0 \text{ aft } X)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,1)(5,4,2)(6,4,0)(5,4,2)$	$\psi(\psi_{X_2}(0))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)$	$\psi(X_\omega)$ $= \psi(1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,1,1)$	$\psi(1 - 1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,0)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(5,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^2$ $\text{aft } \alpha) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^\alpha) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}}) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^\beta)$ $- \Pi_0) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,0)-$ $-(5,2,1)(6,3,2)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.((\omega - \pi - \Pi_0 -)^\gamma)$ $- \Pi_0) - \Pi_0) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,0)(5,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{1,0})$ $- \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,0)(7,2,0)(5,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{1 \otimes (1,0)})$ $- \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_1 -$ $\lambda\alpha.(\omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)(3,1,1)$	$\psi(1 - \lambda\alpha.(\omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_1 \text{ aft } \alpha) + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)(3,1,1)-$ $-(4,2,0)(5,2,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_1 \text{ aft } \alpha) + \alpha) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)-$ $-(3,1,1)(4,2,0)(5,2,0)(6,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_1 \text{ aft } \alpha) + \Omega_{\alpha+1}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,1)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_1 \text{ aft } \alpha) + \Omega_{\alpha+2}) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)-$ $-(3,1,1)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1$ $+ \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,1)(3,1,1)(4,2,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1$ $+ \lambda\beta.(\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)-$ $-(3,1,1)(4,2,2)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1 \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)-$ $-(3,1,1)(4,2,2)(5,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1 + 1) - \Pi_0$ $- \lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1 \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1 \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)(5,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} \text{ aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0,0} \text{ aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(2 \text{ } 1 - 2 \text{ aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(2 - 2 \text{ aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2}) - \Pi_1$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0) - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 - )^\alpha - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$



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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,1,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}} - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\beta} - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\psi_{\Omega_{\beta+1}}(0)} - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_0 -)^{\Omega_{\beta+1}} - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega - \pi - \Pi_0 -)^{\lambda\gamma.(\gamma+1)-\Pi_0}$ $- \Pi_0) - \Pi_0 \text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega - \pi - \Pi_0 -)^{\lambda\gamma.(\omega - \pi - \Pi_0) - \Pi_0}$ $- \Pi_0) - \Pi_0 \text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega - \pi - \Pi_0 -)^{\gamma} - \Pi_0) - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)(4,4,2)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\omega - \pi - \Pi_0 -)^{\delta} - \Pi_0)$ $- \Pi_0) - \Pi_0 \text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{1,0}) - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,0)(4,3,0)(3,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{1,0,0}) - \Pi_0$ $\text{aft } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,1)$	$\psi(\lambda\alpha.(2\text{nd } \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((1-)^{\alpha} \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,1)(3,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0$ $- \lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(2 \text{ aft } \omega - \pi - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,1)(3,3,1)(4,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega - \pi - \Pi_0) - \Pi_0$ $\text{aft } \lambda\gamma.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,1)(3,3,1)-$ $-(4,4,2)(5,4,0)(4,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.((\omega - \pi - \Pi_0 -)^{1,0}) - \Pi_0$ $\text{aft } \lambda\gamma.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,1)(3,3,1)(4,4,2)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(2\text{nd } \lambda\gamma.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_1)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^2 \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^\alpha \omega - \pi - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}} \omega - \pi - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^\beta$ $\omega - \pi - \Pi_1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{1,0} \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,0)(4,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{1\oplus(1,0)} \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1 \omega - \pi - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,1)(2,2,2)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1 \omega - \pi - \Pi_0 - \omega - \pi - \Pi_1$ $\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,0,0)$	$\psi((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -)^\omega \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -)^\alpha$ $\omega - \pi - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}}$ $\omega - \pi - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -)^\beta$ $\omega - \pi - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.((\omega - \pi - \Pi_1$ $\omega - \pi - \Pi_0 -)^\gamma \omega - \pi - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -)^{1,0} \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)(3,2,1)$	$\psi(1 - (\omega - \pi - \Pi_1$ $\omega - \pi - \Pi_0 -)^{1,1} \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,2)(3,2,1)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -)^{2,0} \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(3,0,0)$	$\psi((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -)^{\omega,0} \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -)^{1,0,0} \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1)$ $= \psi(1 - \lambda\alpha.(\Pi_0[2] \ 1 - \Pi_0[2]) - \Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,1)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,0,0)$	$\psi((\omega - \pi - \Pi_1 -)^{\omega})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_1 -)^{\alpha} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_1 -)^{\beta} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.$ $(\omega - \pi - \Pi_1 -)^{\gamma} - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1 -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,0)(4,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1 -)^{1,0,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,0)(5,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1 -)^{1\oplus(1,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,2,1)$	$\psi(1 - \omega - \pi - \Pi_2)$ $= \psi(1 - \lambda\alpha.(\Pi_0[2] \ 2 - \Pi_0[2]) - \Pi_1)$ $= \psi(1 - \lambda\alpha.(\alpha(\omega) \text{ is } _2 \text{ ref.}) - stb.)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(2,2,2)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1 \ \omega - \pi - \Pi_0 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(2,2,2)(3,2,1)(4,2,1)$	$\psi(1 - \omega - \pi - \Pi_2 \ \omega - \pi - \Pi_0 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,1)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(3,2,1)(4,2,1)$	$\psi(1 - \omega - \pi - \Pi_2 \ \omega - \pi - \Pi_1 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,1)(4,2,1)$	$\psi(1 - \omega - \pi - \Pi_2 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,1)(5,0,0)$	$\psi((\omega - \pi - \Pi_2 -)^{\omega})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_2 -)^{\alpha} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega - \pi - \Pi_2 -)^{\beta} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,2,0)(2,0,0)$	$\psi((\omega - \pi - \Pi_2 -)^{1,0})$

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$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(1 - \omega - \pi - \Pi_3)$ $= \psi(1 - \lambda\alpha.(\Pi_0[2] \Pi_3) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(1 - \omega - \pi - \Pi_4)$ $= \psi(1 - \lambda\alpha.(\Pi_0[2] \Pi_4) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)$	$\psi((\omega + 1) - \pi - (+1) - \Pi_0)$ $= \psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(2,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(2,2,2)(3,2,1)$	$\psi(1 - \lambda\alpha.(\omega - \pi - \Pi_1$ $\omega - \pi - \Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(2,2,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0$ $\omega - \pi - \Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(3,2,1)$	$\psi(1 - \lambda\alpha.(\omega - \pi - \Pi_1 -$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0$ $\omega - \pi - \Pi_1 - \lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(4,2,1)$	$\psi(1 - \lambda\alpha.(\omega - \pi - \Pi_2 -$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0$ $\omega - \pi - \Pi_2 - \lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) -$ $\Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -)^{1,0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(5,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) -$ $\Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(4,3,0)(5,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1 -$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1)^{1,0}) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_2) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,2,1)(7,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_3) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,3,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_0 -$ $\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,3,0)(7,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,3,0)(7,2,1)(8,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega^2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,1,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \Omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,1,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \Omega_{\alpha+1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,1,1)(7,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\alpha_\omega.(\alpha_\omega + \lambda\beta.(\beta + 1)$ $- \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\alpha_\omega.(\alpha_\omega + \beta) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(2,2,1)(3,3,2)-$ $-(4,3,1)(5,4,0)(6,4,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\alpha_\omega.(\alpha_\omega + \gamma)$ $- \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 2) - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\beta \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,0)(5,2,1)$	$\psi(\lambda\alpha.(1 - \lambda\alpha_\omega.(\alpha_\omega \cdot 2) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 2 + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,2,1)-$ $-(6,3,0)(7,3,0)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 2 + \alpha) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,2,1)-$ $-(6,3,0)(7,3,0)(8,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,3,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,3,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega^2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega^\omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega^{\alpha_\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+1}}(0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(7,3,1)(8,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,1)(5,2,1)-$ $-(6,3,0)(7,3,0)(8,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1} \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1} \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,1)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+2}}(0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+2}}(\Omega_{\alpha_\omega+2}^{\Omega_{\alpha_\omega+2}})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+\alpha}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega \cdot 2}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\psi_{\Omega_{\alpha_\omega+1}}(0)}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\Omega_{\alpha_\omega+1}}) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{I_{\alpha_\omega+1}}(0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,3,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(I_{\alpha_\omega+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(6,3,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(M_{\alpha_\omega+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega + 2) - \pi - (+1) - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,3,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.$ $(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 2) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + \omega) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(6,4,0)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + \alpha) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(6,4,0)(7,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + \alpha_\omega) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(6,4,0)(7,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.$ $(\alpha_{\omega+1} + \Omega_{\alpha_\omega+1}) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,4,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} \cdot 2) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,4,0)(7,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\Omega_{\alpha_\omega+1+1}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\Omega_{\alpha_\omega+1+2}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(I_{\alpha_\omega+1+1}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,4,1)(7,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(M_{\alpha_\omega+1+1}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.$ $(\lambda\alpha_{\omega+2}.(\alpha_{\omega+2} + 1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega + 2) - \pi - (+1) - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \ 3 - \pi - (+1) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,1)(7,6,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\lambda\alpha_{\omega+2}.(\lambda\alpha_{\omega+3}.$ $(\alpha_{\omega+3} + 1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega + 3) - \pi - (+1) - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \ 4 - \pi - (+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega \cdot 2) - \pi - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \ \lambda\beta.(\Pi_0[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,0)(3,2,0)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0) - \Pi_0 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,2)(6,2,1)(7,3,2)$	$\psi(\lambda\alpha.((\omega \cdot 2) - \pi - \Pi_0) - \Pi_0 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,1)(7,3,2)(3,1,1)$	$\psi(1 - \lambda\alpha.((\omega \cdot 2) - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,1)(7,3,2)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.((\omega \cdot 2) - \pi - \Pi_0 + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,1)(7,3,2)(3,2,0)$	$\psi(\lambda\alpha.((\omega \cdot 2) - \pi - \Pi_0 \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,1)(7,3,2)(5,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} \text{ aft } (\omega \cdot 2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0,0} \text{ aft } (\omega \cdot 2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(2,2,1)$	$\psi(\lambda\alpha.(2 \text{ aft } (\omega \cdot 2) - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } (\omega \cdot 2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.(2\text{nd } (\omega \cdot 2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,2)(3,0,0)$	$\psi(\lambda\alpha.(1 - (\omega \cdot 2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,2)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega \cdot 2) - \pi - \Pi_0)$ $- \Pi_0 - (\omega \cdot 2) - \pi - \Pi_0) - \Pi_0)$



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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,2)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(2 \text{ aft } (\omega \cdot 2) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,2)-$ $-(3,3,1)(4,4,2)(5,2,1)(6,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(2 \text{ aft } (\omega \cdot 2) - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,2)(3,2,1)$	$\psi(\omega - \pi - \Pi_1 \ \omega - \pi - \Pi_0 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,2)(3,2,1)(4,3,2)$	$\psi((\omega \cdot 2) - \pi - \Pi_0 \ \omega - \pi - \Pi_0 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(3,2,1)$	$\psi(\omega - \pi - \Pi_1 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(3,2,1)(4,3,2)$	$\psi((\omega \cdot 2) - \pi - \Pi_0 \ \omega - \pi - \Pi_1 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega + 1) - \Pi_0 -$ $\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 2) - \Pi_0 -$ $\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1}) - \Pi_1 -$ $\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0 -$ $\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,2)(5,0,0)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0 -)^\omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)-$ $-(7,3,2)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0 -)^\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)-$ $-(7,3,2)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0 -)^{1,0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,2)(5,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)-$ $-(7,3,2)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0 + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)-$ $-(7,3,2)(5,2,1)(6,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0 \cdot 2) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,2)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0 \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,2)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((1-)^{1,0} \text{ aft } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((1-)^{1,0,0} \text{ aft } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(4,3,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(2 \text{ aft } \omega - \pi - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(4,3,1)(5,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(2\text{nd } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,1)(5,4,2)(5,4,1)(6,5,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(2\text{nd } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(4,3,2)$	$\psi((\omega \cdot 2) - \pi - \Pi_0 - (\omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega \cdot 2) - \pi - \Pi_0 - )^\alpha - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega \cdot 2) - \pi - \Pi_0 - )^\beta - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega \cdot 2) - \pi - \Pi_0 - )^{\alpha_\omega} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega \cdot 2) - \pi - \Pi_0 - )^{\Omega_{\alpha_\omega+1}} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.((\omega \cdot 2) - \pi - \Pi_0 - )^{\alpha_{\omega+1}} - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)(6,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\lambda\alpha_{\alpha+2}.((\omega \cdot 2) - \pi - \Pi_0 - )^{\alpha_{\omega+2}} - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(4,3,2)$	$\psi(((\omega \cdot 2) - \pi - \Pi_0 - )^{1,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,2)(5,3,0)(4,3,2)$	$\psi(((\omega \cdot 2) - \pi - \Pi_0 - )^{2,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(5,3,0)(4,3,2)$	$\psi(((\omega \cdot 2) - \pi - \Pi_0 - )^{1,0,0})$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,1)$	$\psi(1 - (\omega \cdot 2) - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(4,3,2)(5,3,1)$	$\psi(1 - (\omega \cdot 2) - \pi - \Pi_1 \ (\omega \cdot 2) - \pi - \Pi_0 - (\omega \cdot 2) - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(5,3,1)$	$\psi(1 - (\omega \cdot 2) - \pi - \Pi_1 - (\omega \cdot 2) - \pi - \Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}((\omega \cdot 2) - \pi - \Pi_1 -)^{\alpha_{\omega}} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,3,0)(4,3,2)$	$\psi(((\omega \cdot 2) - \pi - \Pi_1 -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,3,1)$	$\psi(1 - (\omega \cdot 2) - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,3,1)(7,3,1)$	$\psi(1 - (\omega \cdot 2) - \pi - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}(\alpha_{\omega \cdot 2} + 1) - \Pi_0) - \Pi_0)$ $= \psi((\omega \cdot 2 + 1) - \pi - (+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,4,1)(6,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}(\lambda\alpha_{\omega \cdot 2+1} \cdot$ $(\alpha_{\omega \cdot 2+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega \cdot 2 + 2) - \pi - (+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,4,1)(6,5,2)$	$\psi((\omega \cdot 3) - \pi - (+1) - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\Pi_0[2]$ $\lambda\gamma.(\Pi_0[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)$	$\psi((\omega^2) - \pi - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(2,2,2)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1 \omega - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)$	$\psi((\omega \cdot 2) - \pi - \Pi_0 \omega - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)$	$\psi((\omega^2) - \pi - \Pi_0 \omega - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)$	$\psi((\omega^2) - \pi - \Pi_0 \omega - \pi - \Pi_0 - (\omega^2) -$ $\pi - \Pi_0 \omega - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(3,0,0)$	$\psi(((\omega \cdot 2) - \pi - \Pi_0$ $\omega - \pi - \Pi_0 -)^{\omega} (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(3,2,0)(2,2,2)$	$\psi(((\omega \cdot 2) - \pi - \Pi_0$ $\omega - \pi - \Pi_0 -)^{1,0} (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(3,2,1)$	$\psi(1 - \omega - \pi - \Pi_1 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)-$ $-(3,2,1)(4,3,2)(5,3,2)$	$\psi((\omega^2) - \pi - \Pi_0 \omega - \pi - \Pi_1 - (\omega^2) - \pi - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,2,1)$	$\psi(1 - \omega - \pi - \Pi_2 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(5,2,1)$	$\psi(1 - \omega - \pi - \Pi_3 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -$ $\lambda\alpha_\omega.((\omega^2) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1}) - \Pi_1 -$ $\lambda\alpha_\omega.((\omega^2) - \pi - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,0)-$ $-(5,3,0)(6,2,1)(7,3,2)(8,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2) - \pi - \Pi_0) - \Pi_0 -$ $\lambda\alpha_\omega.((\omega^2) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(2 \text{ aft } (\omega^2) - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,1)-$ $-(5,3,2)(6,3,2)(5,3,1)$	$\psi(1 - \lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(2 \text{ aft } (\omega^2) - \pi - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)$	$\psi((\omega \cdot 2) - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)-$ $-(5,3,1)(6,4,2)(7,4,2)(6,4,2)$	$\psi((\omega \cdot 3) - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)$	$\psi((\omega^2) - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega^2) - \pi - \Pi_0 -)^\alpha - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega^2) - \pi - \Pi_0 -)^\beta - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2) - \pi - \Pi_0 -)^{\alpha_\omega} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2) - \pi - \Pi_0 -)^{\alpha_\omega+1} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2) - \pi - \Pi_0 -)^{\alpha_\omega \cdot 2} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2) - \pi - \Pi_0 -)^{\Omega_{\alpha_\omega+1}} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.((\omega^2) - \pi - \Pi_0 -)^{\alpha_{\omega+1}} - \Pi_0) - \Pi_0) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(5,3,0)(4,3,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}((\omega^2) - \pi - \Pi_0 -)^{\alpha_{\omega \cdot 2}} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,2)(3,2,1)(4,3,2)(5,3,2)(5,3,0)- -(4,3,2)(5,3,1)(6,4,2)- -(7,4,2)(7,4,0)(6,4,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 3}((\omega^2) - \pi - \Pi_0 -)^{\alpha_{\omega \cdot 3}} - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(2,2,2)(3,2,2)	$\psi(((\omega^2) - \pi - \Pi_0 -)^{1,0})$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(3,2,0)(2,2,2)(3,2,2)	$\psi(((\omega^2) - \pi - \Pi_0 -)^{1,0,0})$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,1)	$\psi(1 - (\omega^2) - \pi - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(2,2,2)(3,2,2)	$\psi((\omega^2) - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(2,2,2)(3,2,2)(3,2,1)	$\psi((\omega^2) - \pi - \Pi_1 \ (\omega^2) - \pi - \Pi_0 - (\omega^2) - \pi - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(3,2,0)(2,2,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot}(((\omega^2) - \pi - \Pi_1 \ (\omega^2) - \pi - \Pi_0 -)^{\alpha_{\omega}} (\omega^2) - \pi - \Pi_1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(3,2,0)(2,2,2)(3,2,2)	$\psi(((\omega^2) - \pi - \Pi_1 \ (\omega^2) - \pi - \Pi_0 -)^{1,0} (\omega^2) - \pi - \Pi_1))$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(3,2,1)(3,2,1)	$\psi(1 - (\omega^2) - \pi - \Pi_1 - (\omega^2) - \pi - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(3,2,1)(4,2,1)	$\psi(1 - (\omega^2) - \pi - \Pi_2)$ $= \psi(1 - \lambda\alpha.((\Pi_0 - \Pi_0)[2] \ 2 - (\Pi_0 - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(4,2,1)(5,2,1)	$\psi(1 - (\omega^2) - \pi - \Pi_3)$ $= \psi(1 - \lambda\alpha.((\Pi_0 - \Pi_0)[2] \ \Pi_3) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(3,2,1)(4,3,0)	$\psi((\omega^2 + 1) - \pi - (+1) - \Pi_0)$ $= \psi(\lambda\alpha.(\lambda\alpha_{\omega^2}(\alpha_{\omega^2} + 1) - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 - \Pi_0)[2] \ \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(4,3,1)(5,4,0)	$\psi((\omega^2 + 2) - \pi - (+1) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(3,2,1)(4,3,2)	$\psi((\omega^2 + \omega) - \pi - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 - \Pi_0)[2] \ \lambda\beta.(\Pi_0[2]) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(4,3,2)(5,3,2)	$\psi((\omega^2 \cdot 2) - \pi - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 - \Pi_0)[2] \ \lambda\beta.((\Pi_0 - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)	$\psi((\omega^3) - \pi - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 - \Pi_0 - \Pi_0)[2]) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(3,2,2)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - (\omega^3) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(5,3,2)$	$\psi((\omega^3) - \pi - \Pi_0 \ \omega - \pi - \Pi_0 - (\omega^3) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,3,2)(4,3,2)$	$\psi((\omega \cdot 2) - \pi - \Pi_0 - (\omega^3) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)$	$\psi((\omega^2) - \pi - \Pi_0 - (\omega^3) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,3,2)(4,3,2)(5,3,2)$	$\psi((\omega^2 \cdot 2) - \pi - \Pi_0 - (\omega^3) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(3,2,2)$	$\psi((\omega^3) - \pi - \Pi_0 - (\omega^3) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.((\omega^3) - \pi - \Pi_0 -)^{\alpha_{\omega}} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,0)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2}.((\omega^3) - \pi - \Pi_0 -)^{\alpha_{\omega^2}} - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(3,2,2)$	$\psi(((\omega^3) - \pi - \Pi_0 -)^{1,0})$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(3,2,2)(3,2,1)$	$\psi(1 - (\omega^3) - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,1)(4,3,0)$	$\psi((\omega^3 + 1) - \pi - (+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,1)(4,3,2)$	$\psi((\omega^3 + \omega) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,1)(4,3,2)(5,3,2)$	$\psi((\omega^3 + \omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(5,3,2)$	$\psi((\omega^3 \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(3,2,2)(3,2,2)$	$\psi((\omega^4) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,0,0)$	$\psi((\omega^{\omega}) - \pi - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{\omega}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)$	$\psi(\Omega - \pi - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{\Omega}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,3,2)(4,3,2)-$ $-(5,1,0)(4,3,1)(5,4,0)$	$\psi((\Omega + 1) - \pi - (+1) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,3,2)(4,3,2)(5,1,0)-$ $-(4,3,1)(5,4,2)(6,4,2)(7,1,0)$	$\psi((\Omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(1,1,0)(2,2,1)(3,3,2)(4,3,2)(5,2,0)$	$\psi(\Omega_2 - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(1,1,1)$	$\psi(\Omega_\omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(1,1,1)(2,1,1)(3,1,0)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,1,0)(2,0,0)$	$\psi(I - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(1,1,1)(2,1,1)(3,1,1)(4,1,0)(5,2,1)-$ $-(6,3,2)(7,3,2)(8,1,0)(2,0,0)$	$\psi(K - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(1,1,1)(2,2,0)$	$\psi(\lambda\alpha.((\lambda\alpha.(\alpha + 1) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(1,1,1)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha.(\omega - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{\alpha}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,1,1)$	$\psi(1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0,0} \text{ aft } \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,2,1)$	$\psi(1 - \lambda\alpha.(2 \text{ aft } \alpha - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 - \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\omega^2) - \pi - \Pi_0$ $\omega - \pi - \Pi_0 - \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,1,0)$	$\psi(\lambda\alpha.(\Omega - \pi - \Pi_0$ $\omega - \pi - \Pi_0 - \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0$ $\omega - \pi - \Pi_0 - \alpha - \pi - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,1,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0$ $\omega - \pi - \Pi_0 -)^{\alpha} \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,1,0)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0$ $\omega - \pi - \Pi_0 -)^{1,0} \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(3,2,1)$	$\psi(1 - \lambda\alpha.(\omega - \pi - \Pi_1 - \alpha - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,1,0)(3,2,1)(3,2,1)$	$\psi(1 - \lambda\alpha.(\omega - \pi - \Pi_1 -$ $\omega - \pi - \Pi_1 - \alpha - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,1,0)(3,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.(\omega - \pi - \Pi_2 \omega -$ $\pi - \Pi_1 - \alpha - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,1,0)-$ $-(3,2,1)(4,2,2)(5,2,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0$ $\omega - \pi - \Pi_1 - \alpha - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(4,2,1)$	$\psi(1 - \lambda\alpha.(\omega - \pi - \Pi_2 - \alpha - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0 -$ $\lambda\alpha_{\omega}.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(4,3,2)$	$\psi(\lambda\alpha.((\omega \cdot 2) - \pi - \Pi_0 - \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\omega^2) - \pi - \Pi_0 - \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0 - \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,1,1)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0 -)^{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\alpha - \pi - \Pi_0 -)^{\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.((\alpha - \pi - \Pi_0 -)^{\alpha_{\omega}}) - \Pi_0) - \Pi_0)$



BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,0)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2}.((\alpha - \pi - \Pi_0 -)^{\alpha_{\omega^2}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0 -)^{1,0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,1,0)(2,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 - (\alpha - \pi - \Pi_0 -)^{1,0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0 -)^{1,1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,1,0)(3,2,0)-$ $-(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0 -)^{2,0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0 -)^{\omega,0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,0)(3,2,0)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0 -)^{1,0,0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(3,2,1)$	$\psi(1 - \lambda\alpha.(\alpha - \pi - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.((\alpha + 1) - \pi - (+1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.((\alpha + \omega) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\alpha + \omega^2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha \cdot 2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha \cdot 3) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(3,2,2)$	$\psi(\lambda\alpha.((\alpha \cdot \omega) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\alpha \cdot \omega^2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha^2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha^\alpha) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) - \pi - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(5,2,1)(6,3,2)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.$ $(\omega - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(5,2,1)(6,3,2)(7,3,2)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.$ $(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(5,2,1)(6,3,2)(7,3,2)(8,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.$ $(\alpha' - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(3,2,2)$	$\psi(\lambda\alpha.((\alpha \cdot \omega) - \pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) - \pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(5,2,1)-$ $-(6,3,2)(7,3,2)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha - \pi - \Pi_0)$ $-\Pi_0) - \pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(5,2,1)-$ $-(6,3,2)(7,3,2)(8,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' - \pi - \Pi_0)$ $-\Pi_0) - \pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(5,2,1)-$ $-(6,3,2)(7,3,2)(8,2,1)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1} - \pi - \Pi_0)$ $-\Pi_0) - \pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(5,2,1)(6,3,2)-$ $-(7,3,2)(8,2,1)(6,3,2)-$ $-(7,3,2)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha - \pi - \Pi_0 - \Omega_{\alpha'+1}$ $-\pi - \Pi_0) - \Pi_0) - \pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(5,2,1)(6,3,2)-$ $-(7,3,2)(8,2,1)(6,3,2)(7,3,2)(8,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha+1} - \pi - \Pi_0 - \Omega_{\alpha'+1}$ $-\pi - \Pi_0) - \Pi_0) - \pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(2,2,2)(3,2,2)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}$ $-\pi - \Pi_0 - \Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Omega_{\alpha+1} - \pi - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1} + \omega) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1} + \omega^2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1} + \alpha) - \pi - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,1)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1} \cdot 2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,1)-$ $-(5,3,1)(6,4,2)(7,4,2)(8,1,1)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1} \cdot 3) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,1)(3,2,2)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1} \cdot \omega) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1} \cdot \alpha) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(3,2,2)(4,1,1)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1}^2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,1)(6,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,1)(6,1,1)$	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,1)(6,2,0)$	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(5,2,1)(6,3,0)(7,3,0)(8,2,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\Omega_{\beta+1}) - \Pi_1) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,1)(6,3,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\omega - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,2)(6,2,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,2)(6,2,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\omega^2) - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(5,2,2)(6,2,2)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(5,2,2)(6,2,2)(7,1,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)-$ $-(5,2,2)(6,2,2)(7,1,1)(8,2,1)(9,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\beta.(\beta+1)$ $-\Pi_0)-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$ $=\psi(\lambda\alpha.(\lambda\beta.((\Pi_0-)^{\beta}[2])-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,0)(3,3,2)$	$\psi(\lambda\alpha.(\omega-\pi-\Pi_0-(\lambda\beta.$ $(\beta-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,0)-$ $-(3,3,2)(4,3,2)(5,2,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0$ $-(\lambda\beta.(\beta-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,1)$	$\psi(\lambda\alpha.((\lambda\beta.(\Omega_{\beta+1}-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\gamma-\pi-\Pi_0)$ $-\pi-\Pi_0)-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$ $=\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.((\Pi_0-)^{\gamma}[2])-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_{\omega}.(\alpha_{\omega}-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$ $=\psi(\lambda\alpha.(\lambda\alpha_{\omega}.((\Pi_0-)^{\alpha_{\omega}}[2])-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_{\omega^2}.(\alpha_{\omega^2}-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\alpha_{\alpha}.(\alpha_{\alpha}-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,2)(3,2,2)(4,2,0)$	$\psi(\lambda\alpha.((\lambda\alpha_{\alpha_1}.(\alpha_{\alpha_1}-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,2)(3,2,2)(4,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_{\alpha_{\omega}}.(\alpha_{\alpha_{\omega}}-\pi-\Pi_0)-\Pi_0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi((1,0)-\pi-\Pi_0)$ $=\psi(\lambda\alpha.((\Pi_0-)^{1,0}[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,0,0)(2,2,2)$	$\psi(\omega-\pi-\Pi_0-(1,0)-\pi-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,0,0)(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha-\pi-\Pi_0-(1,0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,0,0)(2,2,2)(3,2,2)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta-\pi-\Pi_0-(1,0)$ $-\pi-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,0,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi((1,0)-\pi-\Pi_0-(1,0)-\pi-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((1,0)-\pi-\Pi_0-)^{\alpha})-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.((1,0)-\pi-\Pi_0-)^{\alpha_{\omega}})-\Pi_0)-\Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(((1,0) - \pi - \Pi_0)^{1,0})$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,2,1)$	$\psi(1 - (1,0) - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,2,1)$	$\psi(1 - (1,0) - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.(\alpha_{1,0} + 1) - \Pi_0) - \Pi_0)$ $= \psi((1,1) - \pi - (+1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,2)$	$\psi((1,\omega) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,2)(5,3,2)$	$\psi((1,\omega^2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.((1,\alpha) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,1)$	$\psi(\lambda\alpha.((1,\Omega_{\alpha+1}) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)-$ $-(6,1,1)(7,2,1)(8,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((1,\lambda\beta.(\beta + 1) - \Pi_0) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((1,\beta) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((1,\alpha_\omega) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)-$ $-(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.(\alpha_{1,0} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)-$ $-(6,2,0)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.((\alpha_{1,0} + 1) - \pi - (+1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)(5,3,1)-$ $-(6,4,2)(7,4,2)(8,2,0)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.((\alpha_{1,0} \cdot 2) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)(5,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.((\alpha_{1,0} \cdot \omega) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.((\Omega_{\alpha_{1,0}+1}) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.(\lambda\alpha_{1,1}.(\alpha_{1,1} - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.(\lambda\alpha_{1,\omega}.(\alpha_{1,\omega}$ $-\pi-\Pi_0)-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,0,0)$	$\psi((2,0)-\pi-\Pi_0)$ $=\psi(\lambda\alpha.((\Pi_0-)^{2,0}[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,3,1)-$ $-(6,4,2)(7,4,2)(8,4,0)(7,0,0)$	$\psi((3,0)-\pi-\Pi_0)$ $=\psi(\lambda\alpha.((\Pi_0-)^{3,0}[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,2,2)$	$\psi((\omega,0)-\pi-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha,0)-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\beta,0)-\pi-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi((1,0,0)-\pi-\Pi_0)$ $=\psi(\lambda\alpha.((\Pi_0-)^{1,0,0}[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(4,0,0)$	$\psi((1\textcircled{\omega})-\pi-\Pi_0)$ $=\psi(\lambda\alpha.((\Pi_0-)^{1\textcircled{\omega}}[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(4,2,0)(3,0,0)$	$\psi((1\textcircled{(1,0)})-\pi-\Pi_0)$ $=\psi(\lambda\alpha.((\Pi_0-)^{1\textcircled{(1,0)}}[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(5,3,0)$	$\psi((1-)^{1,0} \text{ aft } \lambda\alpha.(\Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1-\lambda\alpha.(\Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1-\lambda\alpha.(\Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(2,2,0)$	$\psi(\lambda\alpha.(\alpha+1)-\Pi_0-\lambda\alpha.(\Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,0)(3,2,0)(4,1,1)$	$\psi(1-\lambda\alpha.(\Omega_{\alpha+1})-\Pi_1-\lambda\alpha.(\Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,0)(3,2,0)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2])-\Pi_0-\lambda\alpha.(\Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{\alpha}[2])-\Pi_0-\lambda\alpha.(\Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,2)(6,2,2)(7,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_0-)^{\beta}[2])-\Pi_0)$ $-\Pi_0-\lambda\alpha.(\Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.((\Pi_0-)^{\alpha_{\omega}}[2])$ $-\Pi_0)-\Pi_0-\lambda\alpha.(\Pi_3[2])-\Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{1,0}[2]) - \Pi_0 - \lambda\alpha.(\Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,2,0)(7,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{1,0,0}[2]) - \Pi_0 - \lambda\alpha.(\Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,2,0)(8,3,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{1,,0}[2]) - \Pi_0 - \lambda\alpha.(\Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,2)(6,2,2)(7,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2]) - \Pi_1 - \lambda\alpha.(\Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,2,1)(3,0,0)$	$\psi((\lambda\alpha.(\Pi_3[2]) - \Pi_1 -)^\omega)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,2,1)(3,1,1)$	$\psi(1 - \lambda\alpha.(\lambda\beta.(\Pi_3[2]) - \Pi_1) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)(6,2,2)-$ $-(7,2,1)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_3[2]) - \Pi_1 + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_3[2]) - \Pi_1 \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(7,2,1)(5,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0} \text{ aft } \lambda\beta.(\Pi_3[2]) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,0)(3,2,0)(4,2,0)$	$\psi(\lambda\alpha.((1-)^{1,0,0} \text{ aft } \lambda\beta.(\Pi_3[2]) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(2,2,1)$	$\psi(1 - \lambda\alpha.(2 \text{ aft } \lambda\beta.(\Pi_3[2]) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,3,1)(3,3,1)$	$\psi(1 - \lambda\alpha.(\lambda\beta.(\lambda\gamma.(2 \text{ aft } \Pi_3[2]) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(2,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2] \text{ } 1 - \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_0)[2] \text{ } 1 - \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{\alpha}[2] \text{ } 1 - \Pi_3[2]) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,2)(3,2,2)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\Pi_0-)^{\beta}[2] \ 1 - \Pi_3[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{1,0}[2] \ 1 - \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,2)(3,2,2)(4,2,0)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{1,0,0}[2] \ 1 - \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,2)(3,2,2)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{1,,0}[2] \ 1 - \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 1 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,2)(3,2,2)(4,2,1)(2,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2] \ 1 - \Pi_3[2] \ 1 - \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 1 - \Pi_3[2] \ 1 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 1-)^{\omega} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 1-)^{\alpha} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\Pi_3[2] \ 1-)^{\alpha_{\omega}} \ \Pi_3[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{1,0}.(\Pi_3[2] \ 1-)^{\alpha_{1,0}} \ \Pi_3[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3[2] \ 1-)^{1,0} \ \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,0)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 1-)^{1,\alpha} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_3[2] \ 1-)^{1,\beta} \ \Pi_3[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3[2] \ 1-)^{2,0} \ \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 1-)^{\omega,0} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 1-)^{\alpha,0} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,0)(3,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3[2] \ 1-)^{1,0,0} \ \Pi_3[2]) - \Pi_1)$



BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,0)(4,0,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 1-)^{1@ \omega} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 1-)^{1@ \alpha} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 1-)^{1,,0} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 2 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 1 - \Pi_3[2] \ 2 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(2,2,2)(3,2,2)(4,2,1)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 2 - \Pi_3[2]$ $1 - \Pi_3[2] \ 2 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 2 - \Pi_3[2] \ 2 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,0,0)$	$\psi(\lambda\alpha.((\Pi_3[2] \ 2-)^{\omega} \ \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3[2] \ 2-)^{1,0} \ \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 3 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,2,1)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 1 - \Pi_3[2] \ 3 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,2,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 2 - \Pi_3[2] \ 1$ $- \Pi_3[2] \ 3 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,2,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 3 - \Pi_3[2] \ 1$ $- \Pi_3[2] \ 3 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,2,1)(3,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 3 - \Pi_3[2] \ 2$ $- \Pi_3[2] \ 3 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 3 - \Pi_3[2] \ 3 - \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ \Pi_4) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,2,1)(5,2,1)(6,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ \Pi_5) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \ \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,3,0)(5,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ \lambda\beta.(\beta + 1) - \Pi_1) - \Pi_1)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\beta+2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\beta+\omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\beta+\alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(\Pi_3[2] \lambda\beta.(\beta+\alpha_1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_3[2] \lambda\beta.(\beta+\alpha_\omega) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,0)-$ $-(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\beta \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,0)(5,2,1)-$ $-(6,3,0)(7,3,0)(8,2,0)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\beta \cdot 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\beta \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,0)(7,3,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\psi_{\Omega_{\beta+1}}(0)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(\Omega_{\beta+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,3,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,3,1)(5,3,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(I_{\beta+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,1)(5,3,1)(6,3,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(M_{\beta+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,1)(5,3,1)(6,3,1)(7,3,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(K_{\beta+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\lambda\gamma.(\gamma+1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_0[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.((\Pi_0 - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.((\Pi_0 -)^{\alpha}[2]) - \Pi_0) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,2,0)- -(2,2,2)(3,2,2)(4,2,0)(3,0,0)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.((\Pi_0-)^{\beta}[2]) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,2,1)	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.((\Pi_0-)^{\Omega_{\beta+1}}[2]) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,0)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\lambda\beta_1.(\Pi_0-)^{\beta_1}[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,0)(4,3,1)- -(5,4,2)(6,4,2)(7,4,0)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\lambda\beta_1.(\lambda\beta_2.(\Pi_0-)^{\beta_2}[2]) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,0)(4,3,2)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\lambda\beta_{\omega}.(\Pi_0-)^{\beta_{\omega}}[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,0,0)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.((\Pi_0-)^{1,0}[2]) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,0)(7,4,0)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.((\Pi_0-)^{1,,0}[2]) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,1)	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2]) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,1)- -(4,3,2)(5,3,2)(6,3,1)	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] 1 - \Pi_3[2]) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,1)(5,3,1)	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] 2 - \Pi_3[2]) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)- -(6,3,1)(5,3,1)(6,3,1)	$\psi(1 - \lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] 3 - \Pi_3[2]) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)- -(6,3,1)(5,3,1)(6,4,0)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] \lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)- -(6,3,1)(5,3,1)(6,4,2)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] \lambda\gamma.(\Pi_0[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,1)- -(5,3,1)(6,4,2)(7,4,2)(8,1,0)(2,0,0)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] \lambda\gamma.((\Pi_0-)^{\alpha}[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)- -(3,2,1)(4,3,2)(5,3,2)(6,3,1)(5,3,1)- -(6,4,2)(7,4,2)(8,2,0)(2,2,2)- -(3,2,2)(4,2,0)(3,0,0)	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] \lambda\gamma.((\Pi_0-)^{\beta}[2]) - \Pi_0) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,1)(5,3,1)-$ $-(6,4,2)(7,4,2)(8,3,0)(4,3,2)(5,3,2)-$ $-(6,3,0)(5,0,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] \lambda\gamma.$ $((\Pi_0-)^{\gamma}[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,1)-$ $-(5,3,1)(6,4,2)(7,4,2)(8,4,0)(7,0,0)$	$\psi(\lambda\alpha.(\Pi_3[2] \lambda\beta.(\Pi_3[2] \lambda\gamma.$ $((\Pi_0-)^{1,0}[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] 1 - (\Pi_0 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_3)[2] 1 - (\Pi_0 - \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.(((\Pi_0 - \Pi_3)[2] 1-)^{\alpha} (\Pi_0 - \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(((\Pi_0 - \Pi_3)[2] 1-)^{\alpha_{\omega}}$ $(\Pi_0 - \Pi_3)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\xi}.(((\Pi_0 - \Pi_3)[2] 1-)^{\xi}$ $(\Pi_0 - \Pi_3)[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_{\xi} = \xi \mid \xi \text{ is } {}_3[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,2,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(3,2,2)$	$\psi(\lambda\alpha.(((\Pi_0 - \Pi_3)[2] 1-)^{1,0} (\Pi_0 - \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,2,0)(3,2,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(3,2,2)$	$\psi(\lambda\alpha.(((\Pi_0 - \Pi_3)[2] 1-)^{1,0,0} (\Pi_0 - \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.(((\Pi_0 - \Pi_3)[2] 1-)^{1,,0} (\Pi_0 - \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(3,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_0 - \Pi_3)[2] 2 - (\Pi_0 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(3,2,1)(3,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_0 - \Pi_3)[2] 2$ $-(\Pi_0 - \Pi_3)[2] 2 - (\Pi_0 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(3,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_0 - \Pi_3)[2] \Pi_3) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(3,2,1)(4,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_0 - \Pi_3)[2] \Pi_4) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_3)[2] \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_3)[2] \lambda\beta.(\Pi_0[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,1)$	$\psi(1 - \lambda\alpha.((\Pi_0 - \Pi_3)[2] \lambda\beta.(\Pi_3[2]) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,1)-$ $-(5,3,1)(6,4,2)(7,4,2)(8,4,1)$	$\psi(1 - \lambda\alpha.((\Pi_0 - \Pi_3)[2]$ $\lambda\beta.(\Pi_3[2] \lambda\gamma.(\Pi_3[2]) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,1)(5,3,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_3)[2] \lambda\beta.((\Pi_0 - \Pi_3)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,1)-$ $-(5,3,2)(5,3,1)(6,4,2)-$ $-(7,4,2)(8,4,1)(7,4,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_3)[2] \lambda\beta.((\Pi_0 - \Pi_3)[2]$ $\lambda\gamma.((\Pi_0 - \Pi_3)[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_0 - \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,0,0)$	$\psi(\lambda\alpha.(((\Pi_0 - )^\omega \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(((\Pi_0 - )^\alpha \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(((\Pi_0 - )^{\alpha_\omega} \Pi_3)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(4,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.(((\Pi_0 - )^\xi \Pi_3)[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } \Pi_3[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(4,2,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(3,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.(((\Pi_0 - )^\xi \Pi_3)[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } (\Pi_0 - \Pi_3)[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(4,2,0)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.(((\Pi_0 - )^\xi \Pi_3)[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } ((\Pi_0 - )^\alpha \Pi_3)[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(4,2,0)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(4,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.(((\Pi_0 - )^\xi \Pi_3)[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } ((\Pi_0 - )^\eta \Pi_3)[2] \text{ reflecting ordinal}\},$ $\eta$ is $\min\{\alpha_\eta = \eta \mid$ $\eta \text{ is } \Pi_3[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_0 - )^{1,0} \Pi_3)[2]) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,0)(3,2,2)$	$\psi(\lambda\alpha.(((\Pi_0-)^{1,1} \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(4,2,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_0-)^{2,0} \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(4,2,0)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_0-)^{1,0,0} \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(((\Pi_0-)^{1,,0} \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 \Pi_0 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(3,2,2)(4,2,1)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,1)(5,3,2)(6,3,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 \Pi_0 - \Pi_3)[2])$ $\lambda\beta.((\Pi_3 \Pi_0 - \Pi_3)[2]) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,1)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_3 \Pi_0 - \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,1)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 \Pi_0 - \Pi_3 \Pi_0 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(4,0,0)$	$\psi(\lambda\alpha.(((\Pi_3 \Pi_0-)^{\omega} \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(((\Pi_3 \Pi_0-)^{\alpha} \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_3 \Pi_0-)^{1,0} \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(4,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 - \Pi_3 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.(((\Pi_3-)^{\omega})[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(((\Pi_3-)^{\alpha})[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.((\Pi_3-)^{\alpha_{\omega}})[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\xi}.((\Pi_3-)^{\xi})[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_{\xi} = \xi \mid$ $\xi \text{ is } \Pi_3[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,2,0)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\xi}.((\Pi_3-)^{\xi})[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_{\xi} = \xi \mid$ $\xi \text{ is } (\Pi_3-)^{\alpha}[2] \text{ reflecting ordinal}\}.$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_3-)^{1,0})[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,0)(6,3,0)$	$\psi(\lambda\alpha.(((\Pi_3-)^{1,0})[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_4[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,1)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_4)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,1)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 \Pi_0 - \Pi_4)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,1)(3,2,2)(4,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_4 \Pi_0 - \Pi_4)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 - \Pi_4)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,1)(4,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_4 \Pi_3 - \Pi_4)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_4 - \Pi_4)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_5[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,0)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) -$ $\Pi_0 - \lambda\beta.(\beta + 1) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,0)(6,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,0)(6,2,1)(7,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_2)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,0)(6,2,1)(7,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 2) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,0)(6,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + \omega) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + \alpha) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\lambda\beta.(\beta + \alpha_\omega) - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)-$ $-(2,2,2)(3,2,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.((\lambda\beta.(\beta + \xi) - \Pi_0)[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } \Pi_3[2] \text{ reflecting ordinal} \}.$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.((\lambda\beta.(\beta + \xi) - \Pi_0)[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } \Pi_4[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.((\lambda\beta.(\beta + \xi) - \Pi_0)[2]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } (\lambda\beta.(\beta + 1) - \Pi_0)[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta \cdot 2) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(6,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\beta \cdot 2) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(6,2,1)-$ $-(7,3,0)(8,3,0)(9,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta \cdot 3) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(6,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta \cdot \omega) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)-$ $-(6,3,0)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta \cdot \alpha) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)-$ $-(6,3,0)(7,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta^2) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(7,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta^\beta) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,0)(8,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\psi_{\Omega_{\beta+1}}(0)) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,0)(6,3,0)(7,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Omega_{\beta+1}) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Omega_{\beta+2}) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\Omega_{\beta+\omega}) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(I_{\beta+1}) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,3,1)(7,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(M_{\beta+1}) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,3,1)(7,3,1)(8,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(K_{\beta+1}) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1 + 1) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$



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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,4,0)(7,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1 + \omega) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,0)(7,4,0)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1 + \alpha) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,0)(7,4,0)(8,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1 + \beta) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,0)(7,4,0)(8,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1 \cdot 2) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,0)(7,4,0)(8,3,0)(7,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1 \cdot \omega) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,0)(7,4,0)-$ $-(8,3,0)(7,4,0)(8,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1^2) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,0)(7,4,0)(8,3,0)(8,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1^{\beta_1}) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,0)(7,4,0)(8,3,0)(9,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\psi_{\Omega_{\beta_1+1}}(0)) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,0)(7,4,0)(8,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\Omega_{\beta_1+1}) - \Pi_1) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,4,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\Omega_{\beta_1+2}) - \Pi_1) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,4,1)(7,4,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\lambda\beta_1.(I_{\beta_1+1}) - \Pi_1) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,1)(7,5,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\lambda\beta_2.(\beta_2 + 1) - \Pi_0) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,1)(6,4,1)(7,5,1)(8,6,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\lambda\beta_2.(\lambda\beta_3.(\beta_3 + 1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$ $= \psi(2 - \pi - (\Pi_0[2]) - [2] - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(2,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2] \ 1 - (\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]$ $1 - (\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(3,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]$ $2 - (\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]$ $\lambda\beta.(\beta + 1) - \Pi_0 - (\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]$ $\lambda\beta.(\Pi_0[2]) - \Pi_0 - (\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2])$ $\lambda\beta.((\Pi_0 - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2])$ $\lambda\beta.(\Pi_3[2]) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2])$ $\lambda\beta.((\lambda\gamma.(\gamma + 1) - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,1)(7,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2])$ $\lambda\beta.((\lambda\gamma.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,1)-$ $-(7,4,2)(5,3,1)(6,4,2)-$ $-(7,4,2)(8,3,1)(9,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[2])$ $\lambda\beta.((\lambda\gamma.(\Pi_0[2]) - \Pi_0)[2])$ $\lambda\gamma.((\lambda\delta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(3,2,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0$ $\Pi_0 - \lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(4,2,1)(5,3,2)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0$ $\Pi_3 - \lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0$ $\lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(5,3,0)(6,3,0)(7,2,1)(8,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0 -$ $\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(5,3,0)(6,3,0)-$ $-(7,2,1)(8,3,2)(6,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\Pi_0[2])$ $- \Pi_0) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(5,3,0)(6,3,0)(7,2,1)-$ $-(8,3,2)(6,2,1)(7,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\Pi_0[2]) -$ $\Pi_0 + 1) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(5,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(2 \text{ aft}$ $\lambda\beta_1.(\Pi_0[2]) - \Pi_0) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(5,3,1)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(2\text{nd}$ $\lambda\beta_1.(\Pi_0[2]) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(5,3,1)(6,4,2)(6,3,1)(7,5,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(2\text{nd}$ $\lambda\beta_2.(\Pi_0[2]) - \Pi_0) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2] \text{ } 1 - \Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[2]$ $2 - \Pi_0[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,1)(7,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]$ $\lambda\gamma.(\Pi_0[2]) - \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - )^\alpha[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1.((\lambda\beta.((\Pi_0 - )^{\alpha_1}[2])$ $- \Pi_0)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\lambda\beta.((\Pi_0 - )^{\alpha_\omega}[2])$ $- \Pi_0)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - )^\beta[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.((\Pi_0 - )^{\beta_1}[2])$ $- \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,0)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_\omega.((\Pi_0 - )^{\beta_\omega}[2])$ $- \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,0)(4,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - )^{1,0}[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_4[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\gamma + 1)$ $- \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,0)-$ $-(9,4,0)(10,3,0)(8,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\gamma \cdot 2) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)-$ $-(8,4,0)(9,4,0)(10,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Omega_{\gamma+1})$ $- \Pi_1)[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Omega_{\gamma+2})$ $- \Pi_1)[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,1)(9,5,0)$	$\psi(1 - \lambda\alpha.((\lambda\beta.((\lambda\gamma.(\lambda\gamma_1.(\gamma_1 + 1)$ $- \Pi_0) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[2])$ $-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)$ $=\psi(3-\pi-(\Pi_0[2])-[2]-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,2)(9,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.((\Pi_0-\Pi_0)[2])$ $-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)-$ $-(8,4,2)(9,4,2)(10,4,1)$	$\psi(1-\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_3[2])$ $-\Pi_1)[2])-\Pi_1)[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,1)(11,5,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.((\lambda\delta.(\delta+1)$ $-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,1)(11,5,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.((\lambda\delta.(\Pi_0[2])$ $-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)$ $=\psi(4-\pi-(\Pi_0[2])-[2]-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\omega-\pi-[2]-\Pi_0)$ $=\psi(\lambda\alpha.(\Pi_0[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(2,2,0)$	$\psi(\lambda\alpha.(\alpha+1)-\Pi_0-\lambda\alpha.(\Pi_0[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,0)(3,2,0)(4,1,1)-$ $-(5,2,2)(6,2,2))(7,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3])-\Pi_0-\lambda\alpha.(\Pi_0[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(2,2,1)$	$\psi(1-\lambda\alpha.(2 \text{ aft } \lambda\alpha_1.(\Pi_0[3])-\Pi_0)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2] \text{ } 1-(\lambda\beta.(\Pi_0[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0-\Pi_0)[2]$ $1-(\lambda\beta.(\Pi_0[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1-\lambda\alpha.(\Pi_3[2] \text{ } 1-(\lambda\beta.(\Pi_0[3])-\Pi_0)[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,2,1)$	$\psi(1-\lambda\alpha.(\Pi_4[2] \text{ } 1-(\lambda\beta.(\Pi_0[3])-\Pi_0)[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0)[2]$ $1-(\lambda\beta.(\Pi_0[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2])-\Pi_0)[2]$ $1-(\lambda\beta.(\Pi_0[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0-\Pi_0)[2])-\Pi_0)[2]$ $1-(\lambda\beta.(\Pi_0[3])-\Pi_0)[2])-\Pi_0)$

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(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)- -(5,3,2)(6,3,2)(7,3,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[2]) - \Pi_1)[2]$ $1 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,1)(8,4,2)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\beta_1.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)[2]$ $1 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,1)(8,4,2)(9,4,2)(10,5,1)(11,6,2)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\beta_1.$ $((\lambda\beta_2.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)[2]$ $1 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)- -(5,3,2)(6,3,2)(7,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(2,2,2)(3,2,2)(4,2,1)- -(5,3,2)(6,3,2)(7,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(3,0,0)	$\psi(\lambda\alpha.(((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $1 - )^\omega (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(3,2,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $2 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(3,2,1)(4,2,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $3 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(3,2,1)(4,3,0)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.(\beta + 1) - \Pi_0 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(3,2,1)(4,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.(\Pi_0[2]) - \Pi_0 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.((\Pi_0 - \Pi_0)[2]) - \Pi_0 -$ $(\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.(\Pi_0[3]) - \Pi_0 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)- -(3,2,1)(4,3,2)(5,3,2)(6,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.(\Pi_0[3]) - \Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.(\Pi_0[3]) - \Pi_0 - (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)- -(5,3,2)(6,3,2)(4,3,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.(\lambda\beta_1.(\Pi_0[3]) - \Pi_0) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)- -(6,3,2)(4,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.(\Pi_0[2] \ 1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)- -(4,3,2)(5,3,2)(6,3,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.(\Pi_3[2] \ 1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)- -(4,3,2)(5,3,2)(6,3,1)- -(7,3,2)(8,3,2)(9,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)- -(4,3,2)(5,3,2)(6,3,1)(7,3,2)(8,3,2)- -(9,3,2)(4,3,2)(5,3,2)(6,3,2)(4,3,2)- -(5,3,2)(6,3,1)(7,3,2)(8,3,2)(9,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)- -(4,3,2)(5,3,2)(6,3,1)(7,3,2)- -(8,3,2)(9,3,2)(5,3,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $2 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)- -(4,3,2)(5,3,2)(6,3,1)(7,3,2)- -(8,3,2)(9,3,2)(5,3,1)(6,4,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\gamma.(\Pi_0[2]) - \Pi_0 -$ $(\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)-$ $-(4,3,2)(5,3,2)(6,3,1)(7,3,2)(8,3,2)-$ $-(9,3,2)(5,3,1)(6,4,2)(7,4,2)(8,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\gamma.(\Pi_0[3]) - \Pi_0 -$ $(\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)(4,0,0)$	$\psi(\lambda\alpha.(((\Pi_0 - )^\omega \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_0 - )^{1,0} \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 \Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,2)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0$ $\Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[2]) - \Pi_0$ $\Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,1)(8,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\beta_1.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0$ $\Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0$ $\Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0$ $\Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0$ $\Pi_0 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(4,0,0)	$\psi(\lambda\alpha.(((\lambda\beta.(\Pi_0[3]) - \Pi_0 \Pi_0 -)^\omega$ $\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(4,2,0)(3,0,0)	$\psi(\lambda\alpha.(((\lambda\beta.(\Pi_0[3]) - \Pi_0 \Pi_0 -)^{1,0}$ $\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(4,2,1)	$\psi(1 - \lambda\alpha.((\Pi_3 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(4,2,1)(4,2,1)	$\psi(1 - \lambda\alpha.((\Pi_3 - \Pi_3 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(4,2,1)(5,3,0)	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0$ $\Pi_3 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(4,2,1)(5,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0$ $\Pi_3 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(4,2,1)(5,3,2)(6,3,2)(7,3,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[2]) - \Pi_0$ $\Pi_3 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0$ $\Pi_3 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(5,0,0)	$\psi(\lambda\alpha.(((\lambda\beta.(\Pi_0[3]) - \Pi_0$ $\Pi_3 -)^\omega \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(5,2,1)	$\psi(1 - \lambda\alpha.((\Pi_4 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(5,2,1)(6,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0$ $\Pi_4 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,2,1)(6,3,2)(7,3,2)(8,3,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[2]) - \Pi_0$ $\Pi_4 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,2,1)(6,3,2)(7,3,2)(8,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0$ $\Pi_4 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$



BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,2,1)(6,3,2)(7,3,2)(8,3,2)- -(5,2,1)(6,3,2)(7,3,2)(8,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0$ $\Pi_4 - \lambda\beta.(\Pi_0[3]) - \Pi_0$ $\Pi_4 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,2,1)(6,3,2)- -(7,3,2)(8,3,2)(6,2,1)	$\psi(1 - \lambda\alpha.((\Pi_5 - \lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(5,3,0)	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0 -$ $\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,0)(6,3,0)(7,2,0)(3,0,0)	$\psi(\lambda\alpha.((\lambda\beta.(\beta \cdot 2) - \Pi_0 -$ $\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,0)(6,3,0)(7,2,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Omega_{\beta+1}) - \Pi_1 -$ $\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,0)(6,3,0)(7,2,1)- -(8,3,2)(9,3,2)(10,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0 -$ $\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(5,3,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.(2 \text{ aft}$ $\lambda\beta_1.(\Pi_0[3]) - \Pi_0 - \Pi_1)[2]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(5,3,1)(6,4,2)	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\Pi_0[2]) - \Pi_0$ $\text{aft } \lambda\beta_1.(\Pi_0[3]) - \Pi_0 - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,1)(6,4,2)(7,4,2)(8,4,2)	$\psi(\lambda\alpha.((\lambda\beta.(2\text{nd}$ $\lambda\beta_1.(\Pi_0[3]) - \Pi_0 - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,1)(6,4,2)- -(7,4,2)(8,4,2)(6,4,1)	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(2 \text{ aft}$ $\lambda\beta_2.(\Pi_0[3]) - \Pi_0 - \Pi_0 - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,1)(6,4,2)(7,4,2)(8,4,2)- -(6,4,1)(7,5,2)(8,5,2)(9,5,2)	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(2\text{nd}$ $\lambda\beta_2.(\Pi_0[3]) - \Pi_0 - \Pi_0 - \Pi_0)[2]) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(5,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]$ $1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,3,2)(7,3,2)(5,3,2)(6,3,2)	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[2]$ $1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[2]) - \Pi_0)[2]$ $1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,2)(6,3,2)(7,3,1)- -(8,4,2)(9,4,2)(10,4,2)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)- -(9,4,2)(10,4,2)(6,3,1)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $2 - (\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)- -(9,4,2)(10,4,2)(6,3,1)(7,4,0)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\gamma.(\gamma + 1) - \Pi_0 - (\lambda\gamma.(\Pi_0[3])$ $- \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)- -(9,4,2)(10,4,2)(6,3,1)(7,4,2)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\gamma.(\Pi_0[2]) - \Pi_0 - (\lambda\gamma.(\Pi_0[3])$ $- \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)- -(9,4,2)(10,4,2)(6,3,1)- -(7,4,2)(8,4,2)(9,4,2)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $\lambda\gamma.(\lambda\delta.(\Pi_0[3]) - \Pi_0) - \Pi_0 -$ $(\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)- -(9,4,2)(10,4,2)(6,3,2)	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 -$ $\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)- -(9,4,2)(10,4,2)(6,3,2)(7,3,1)	$\psi(1 - \lambda\alpha.((\lambda\beta.((\Pi_3$ $\Pi_0 - \lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)[2]) - \Pi_1)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(6,3,2)(7,3,1)-$ $-(8,4,2)(9,4,2)(10,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]$ $\Pi_0 - \lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(7,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.((\Pi_3 -$ $\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(7,3,1)-$ $-(8,4,2)(9,4,2)(10,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0$ $\Pi_3 - \lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(8,3,1)-$ $-(9,4,2)(10,4,2)(11,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) - \Pi_0$ $\Pi_4 - \lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(8,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\gamma + 1) - \Pi_0 -$ $\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(8,4,0)-$ $-(9,4,0)(10,3,0)(8,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\gamma \cdot 2)$ $- \Pi_0 - \lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(8,4,1)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(2 \text{ aft } \lambda\gamma_1.(\Pi_0[3])$ $- \Pi_0) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(8,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[2] \text{ } 1 - (\lambda\delta.(\Pi_0[3])$ $- \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \text{ } \Pi_0[2] - \Pi_0[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)(2,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2] \text{ } 1 - \lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2] \ 1 - \lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2] \ 1 - (\lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3] \ \Pi_0[2] - \Pi_0[3]) - \Pi_0)[2]$ $\Pi_0[1] - (\lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)(5,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)(5,3,2)-$ $-(6,3,2)(7,3,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 - \lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)(5,3,2)-$ $-(6,3,2)(7,3,2)(5,3,0)(6,3,0)(7,2,1)-$ $-(8,3,2)(9,3,2)(10,3,2)-$ $-(8,3,2)(9,3,2)(10,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0 - \lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)(5,3,2)-$ $-(6,3,2)(7,3,2)(5,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(2 \text{ aft } \lambda\beta_1.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)(5,3,2)-$ $-(6,3,2)(7,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2] \ 1 - (\lambda\gamma.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \ \Pi_0[2] - \Pi_0[3] \ \Pi_0[2] - \Pi_0[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_0[3] \ \Pi_0[2])^\omega \ \Pi_0[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1.((\Pi_0[3] \ \Pi_0[2]) -$ $\alpha_1 \ \Pi_0[3]) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\Pi_0[3] \Pi_0[2]-)$ $\alpha_\omega \Pi_0[3]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.((\Pi_0[3] \Pi_0[2]-)$ $\xi \Pi_0[3]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } \Pi_3[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\xi.((\Pi_0[3] \Pi_0[2]-)$ $\xi \Pi_0[3]) - \Pi_0) - \Pi_0),$ when $\xi$ is $\min\{\alpha_\xi = \xi \mid$ $\xi \text{ is } (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2] \text{ reflecting ordinal}\}.$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.((\Pi_0[3] \Pi_0[2]-)^{1,0} \Pi_0[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(3,2,0)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.((\Pi_0[3] \Pi_0[2]-)^{1,0,0} \Pi_0[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,0)(4,3,0)$	$\psi(\lambda\alpha.((\Pi_0[3] \Pi_0[2]-)^{1,,0} \Pi_0[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] \Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \Pi_0[2] - \Pi_0[3] \Pi_3[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(2,2,2)(3,2,2)(4,2,2)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] (\Pi_3 \Pi_0 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_0[3] ((\Pi_3 \Pi_0 -)^\omega \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(3,2,0)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] ((\Pi_3 \Pi_0 -)^{1,0} \Pi_3)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] (\Pi_3 - \Pi_3)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] \Pi_4[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(4,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] \Pi_5[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\beta + 1) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,0)-$ $-(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\beta \cdot 2) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.((\Pi_0 - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)-$ $-(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.((\Pi_0 - )^\beta)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\lambda\beta_1.((\Pi_0 - )^{\beta_1})[2])$ $- \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(4,3,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\lambda\beta_\omega.((\Pi_0 - )^{\beta_\omega})[2])$ $- \Pi_0) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,0,0)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.((\Pi_0 - )^{1,0})[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] (\lambda\beta.(\Pi_3[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,1)(7,4,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.((\lambda\gamma.(\Pi_0[2])$ $- \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,1)-$ $-(7,4,2)(8,4,2)(9,4,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] (\lambda\beta.((\lambda\gamma.(\Pi_3[2])$ $- \Pi_0)[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,1)-$ $-(7,4,2)(8,4,2)(9,4,1)(10,5,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.((\lambda\gamma.((\lambda\delta.(\Pi_0[2])$ $- \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,2)-$ $-(4,3,2)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,2)(5,3,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] (\lambda\beta.(\Pi_0[3]$ $\Pi_3[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,1)(6,3,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[3] (\lambda\beta.(\Pi_0[3]$ $\Pi_4[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\Pi_0[3]$ $(\lambda\gamma.(\gamma + 1) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,1)(6,4,2)$	$\psi(\lambda\alpha.(\Pi_0[3] (\lambda\beta.(\Pi_0[3]$ $(\lambda\gamma.(\Pi_0[2]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,2)(5,3,1)-$ $-(6,4,2)(7,4,2)(8,4,1)(9,5,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \ (\lambda\beta.(\Pi_0[3] \ (\lambda\gamma.((\lambda\delta.(\Pi_0[2])$ $-\Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,2)-$ $-(5,3,1)(6,4,2)(7,4,2)(8,4,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \ (\lambda\beta.(\Pi_0[3]$ $(\lambda\gamma.(\Pi_0[3]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(2,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2]$ $1 - (\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_0)[2]$ $1 - (\lambda\beta.((\Pi_0 - \Pi_0)[3] - \Pi_0))[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]$ $1 - (\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]$ $\lambda\beta.(\beta + 1) - \Pi_0 - (\lambda\beta.$ $((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(3,2,1)-$ $-(4,3,2)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]$ $\lambda\beta.(\Pi_0[3]) - \Pi_0 - (\lambda\beta.$ $((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]$ $\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0 - (\lambda\beta.$ $((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \lambda\beta.$ $((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0$ $\Pi_0 - \lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0$ $\Pi_3 - \lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[2]) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)$ $-\Pi_0-\lambda\beta.((\Pi_0-\Pi_0)[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2] \ 1-(\lambda\gamma.((\Pi_0-\Pi_0)[3])$ $-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(5,3,2)(6,3,2)-$ $-(7,3,1)(8,4,2)(9,4,2)(10,4,2)(9,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.((\Pi_0-\Pi_0)[3])-\Pi_0)[2]$ $1-(\lambda\gamma.((\Pi_0-\Pi_0)[3])$ $-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \ \Pi_0[2]-(\Pi_0-\Pi_0)[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,2)(3,2,1)-$ $-(4,3,2)(5,3,2)(6,3,2)(5,3,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \ \Pi_0[2]-(\Pi_0-\Pi_0)[3]$ $(\lambda\beta.((\Pi_0-\Pi_0)[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0-\Pi_0)[3]$ $\Pi_0[2]-(\Pi_0-\Pi_0)[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(3,2,1)$	$\psi(1-\lambda\alpha.((\Pi_0-\Pi_0)[3] \ \Pi_3[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.((\Pi_0-\Pi_0)[3]$ $(\lambda\beta.(\beta+1)-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.((\Pi_0-\Pi_0)[3]$ $(\lambda\beta.(\Pi_0[2])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\Pi_0-\Pi_0)[3]$ $(\lambda\beta.(\Pi_0[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\Pi_0-\Pi_0)[3]$ $(\lambda\beta.((\Pi_0-\Pi_0)[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,2)-$ $-(5,3,2)(5,3,1)(6,4,2)-$ $-(7,4,2)(8,4,2)(7,4,2)$	$\psi(\lambda\alpha.((\Pi_0-\Pi_0)[3]$ $(\lambda\beta.((\Pi_0-\Pi_0)[3]$ $(\lambda\gamma.((\Pi_0-\Pi_0)[3])-\Pi_0)[2])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0-\Pi_0-\Pi_0)[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,0,0)$	$\psi(\lambda\alpha.(((\Pi_0-)^{\alpha})[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.((\Pi_0-)^{\alpha_{\omega}})[3])-\Pi_0)-\Pi_0)$



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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_0-)^{1,0})[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_3)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 \Pi_0 - \Pi_3)[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_3 \Pi_0-)^{1,0} \Pi_3)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 - \Pi_3)[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)(5,0,0)$	$\psi(\lambda\alpha.(((\Pi_3-)^{\omega})[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_3-)^{1,0})[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Pi_4[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(\Pi_5[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,0)-$ $-(6,3,0)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + \alpha) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,0)-$ $-(6,3,0)(7,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta \cdot 2) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,0)(6,3,0)(7,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Omega_{\beta+1}) - \Pi_1)[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Omega_{\beta+2}) - \Pi_0)[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\lambda\beta_1.(\beta_1 + 1) - \Pi_0) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[2]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[2]) - \Pi_1)[3]) - \Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]$ $\Pi_0[2] - \Pi_0[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(6,3,2)(7,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[3]) - \Pi_1)[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(6,3,2)(7,3,1)(8,4,0)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\gamma + 1) -$ $\Pi_0)[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(6,3,2)(7,3,1)(8,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[2]) -$ $\Pi_0)[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,1)(8,4,2)(9,4,2)(10,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[3]) -$ $\Pi_0)[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)(2,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2]$ $1 - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[2]$ $1 - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[2]$ $1 - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]$ $1 - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(3,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]$ $2 - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,2)-$ $-(7,3,2)(3,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]$ $3 - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_1)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,2)(7,3,2)-$ $-(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]$ $\lambda\beta.(\lambda\gamma.(\Pi_0[4]) - \Pi_0) - \Pi_0 - (\lambda\beta.$ $(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(4,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_3 - \lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,2)(7,3,2)-$ $-(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0$ $\Pi_3 - \lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,2,1)$	$\psi(1 - \lambda\alpha.((\Pi_4 - \lambda\beta.$ $(\Pi_0[4]) - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0 -$ $\lambda\beta.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]$ $1 - (\lambda\beta_1.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,2)(7,3,2)-$ $-(5,3,2)(6,3,2)(7,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[2]$ $1 - (\lambda\beta_1.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_1)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,2)(7,3,2)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,2)-$ $-(9,4,2)(10,4,2)(9,4,2)(10,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\beta_1.(\Pi_0[4]) - \Pi_0)[2]$ $1 - (\lambda\beta_1.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,1)- -(5,3,2)(6,3,2)(7,3,2)(6,3,2)(7,3,2)- -(5,3,2)(6,3,2)(7,3,1)(8,4,2)- -(9,4,2)(10,4,2)(9,4,2)(10,4,2)(8,4,2)	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\beta_1.(\Pi_0[2]$ $1 - (\lambda\beta_2.(\Pi_0[4]) - \Pi_0)[2]$ $-\Pi_0)[2]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)	$\psi(\lambda\alpha.(\Pi_0[3]$ $\Pi_0[2] - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)- -(3,2,2)(4,2,2)(3,2,2)	$\psi(\lambda\alpha.((\Pi_0 - \Pi_0)[3]$ $\Pi_0[2] - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)(3,2,2)- -(4,2,2)(3,2,2)(4,2,1)	$\psi(1 - \lambda\alpha.(\Pi_3[3]$ $\Pi_0[2] - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(6,3,2)(7,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]$ $\Pi_0[2] - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)- -(6,3,2)(7,3,2)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)- -(6,3,2)(7,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]$ $\Pi_0[2] - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]$ $\Pi_0[2] - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)- -(6,3,2)(7,3,2)(3,2,1)	$\psi(1 - \lambda\alpha.(\Pi_3[2] -$ $(\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)- -(6,3,2)(7,3,2)(3,2,1)(4,3,2)- -(5,3,2)(6,3,2)(5,3,2)(6,3,2)	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]$ $\Pi_3[2] - (\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)- -(6,3,2)(7,3,2)(3,2,1)(4,3,2)(5,3,2)- -(6,3,2)(5,3,2)(6,3,2)(4,2,1)	$\psi(1 - \lambda\alpha.(\Pi_4[2] -$ $(\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_1)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)(4,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-\Pi_0)[2]$ $-(\lambda\beta.(\Pi_0[4])-\Pi_0)[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)(4,3,0)(5,3,0)-$ $-(6,2,1)(7,3,2)(8,3,2)-$ $-(9,3,2)(8,3,2)(9,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4])-\Pi_0)[2]$ $-(\lambda\beta.(\Pi_0[4])-\Pi_0)[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)(4,3,1)$	$\psi(1-\lambda\alpha.((\lambda\beta.(\Pi_0[4])-\Pi_0)[3]$ $\lambda\beta.(2 \text{ aft } (\lambda\beta_1.(\Pi_0[4])$ $-\Pi_0)[2])-\Pi_1)[2])-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)(4,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4])-\Pi_0)[3]$ $\lambda\beta.(\Pi_0[3] \Pi_0[2]-(\lambda\gamma.(\Pi_0[4])$ $-\Pi_0)[3])-\Pi_0)[2])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0-\lambda\beta.(\Pi_0[4])-\Pi_0)[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4])-\Pi_0$ $\Pi_0-\lambda\beta.(\Pi_0[4])-\Pi_0)[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4])-\Pi_0$ $\Pi_3-\lambda\beta.(\Pi_0[4])-\Pi_0)[3])-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1)-$ $\Pi_0-\lambda\beta.(\Pi_0[4])-\Pi_0)[3])-\Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,0)(6,3,0)(7,2,1)-$ $-(8,3,2)(9,3,2)(10,3,2)(9,3,2)(10,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0 -$ $\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]$ $1 - (\lambda\gamma.(\Pi_0[4]) - \Pi_0)[2]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3] \Pi_0[2] -$ $(\lambda\gamma.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,1)(8,4,2)(9,4,2)-$ $-(10,4,2)(9,4,2)(10,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[4]) - \Pi_0)[3] \Pi_0[2] -$ $(\lambda\gamma.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,1)(8,4,2)(9,4,2)(10,4,2)-$ $-(9,4,2)(10,4,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \lambda\gamma.(\Pi_0[4])$ $- \Pi_0)[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[4]$ $\Pi_0[3] - \Pi_0[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \Pi_0[2] - (\lambda\beta.(\Pi_0[4]$ $\Pi_0[3] - \Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,2)(5,3,2)(6,3,2)-$ $-(7,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]$ $\Pi_0[3] - \Pi_0[4]) - \Pi_0)[3] \Pi_0[2] - (\lambda\beta.(\Pi_0[4]$ $\Pi_0[3] - \Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[4] \Pi_0[3] - \Pi_0[4]$ $\Pi_0[3] - \Pi_0[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,0,0)$	$\psi(\lambda\alpha.((\Pi_0[4]$ $\Pi_0[3] -)^\omega \Pi_0[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[4] \Pi_3[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[4] \Pi_4[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\Pi_0[4] (\lambda\beta.(\beta + 1) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\Pi_0[4] (\lambda\beta.(\Pi_0[2]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)-$ $-(4,3,2)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.(\Pi_0[4] (\lambda\beta.(\Pi_0[3]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,2)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.(\Pi_0[4] (\lambda\beta.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)$	$\psi(\lambda\alpha.(\Pi_0[4] (\lambda\beta.(\Pi_0[4]$ $\Pi_0[3] - \Pi_0[4]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)(5,3,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[4] (\lambda\beta.(\Pi_0[4]$ $\Pi_3[3]) - \Pi_1)[3]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)(5,3,1)(6,4,2)$	$\psi(\lambda\alpha.(\Pi_0[4] (\lambda\beta.(\Pi_0[4]$ $(\lambda\gamma.(\Pi_0[2]) - \Pi_0)[3]) - \Pi_1)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,3,2)(5,3,2)(6,3,2)(5,3,1)(6,4,2)-$ $-(7,4,2)(8,4,2)(7,4,2)(8,4,2)$	$\psi(\lambda\alpha.(\Pi_0[4] (\lambda\beta.(\Pi_0[4]$ $(\lambda\gamma.(\Pi_0[4]) - \Pi_0)[3]) - \Pi_1)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\Pi_0 - \Pi_0)[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(((\Pi_0 -)^{1,0})[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[4]) - \Pi_1)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)(5,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_4[4]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0)[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[3]) - \Pi_0)[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[4]) - \Pi_0)[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(7,3,2)(6,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\Pi_0 - \Pi_0)[4]) - \Pi_0)[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)-$ $-(7,3,2)(6,3,2)(7,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_3[4]) - \Pi_1)[4]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(7,3,2)-$ $-(6,3,2)(7,3,1)(8,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[2])$ $- \Pi_0)[4]) - \Pi_0)[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,2)(7,3,2)(6,3,2)-$ $-(7,3,1)(8,4,2)(9,4,2)-$ $-(10,4,2)(9,4,2)(10,4,2)$	$\psi(\lambda\alpha.((\lambda\beta.((\lambda\gamma.(\Pi_0[4])$ $- \Pi_0)[4]) - \Pi_0)[4]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[5]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,2)(2,2,2)$	$\psi(\lambda\alpha.(\Pi_0[2] \ 1 - (\lambda\beta.(\Pi_0[5]) - \Pi_0)[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[3] \ \Pi_0[2] -$ $(\lambda\beta.(\Pi_0[5]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,2)(2,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[4] \ \Pi_0[3] -$ $(\lambda\beta.(\Pi_0[5]) - \Pi_0)[4]) - \Pi_0)$



BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(3,2,2)(4,2,2)(2,2,2)- -(3,2,2)(4,2,2)(3,2,2)- -(4,2,2)(3,2,2)(4,2,2)	$\psi(\lambda\alpha.(\Pi_0[5] \Pi_0[4] - \Pi_0[5]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(3,2,2)(4,2,2)(3,2,2)	$\psi(\lambda\alpha.((\Pi_0 - \Pi_0)[5]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(3,2,2)- -(4,2,2)(3,2,2)(4,2,1)	$\psi(1 - \lambda\alpha.(\Pi_3[5]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(3,2,2)(4,2,2)(3,2,2)- -(4,2,2)(3,2,2)(4,2,2)	$\psi(\lambda\alpha.(\Pi_0[6]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(4,2,2)(4,0,0)	$\psi(\lambda\alpha.(p.\Pi_0[\omega]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,0,0)(2,2,2)	$\psi(\lambda\alpha.(\Pi_0[2] \ 1 - p.\Pi_0[\omega]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,0,0)(2,2,2)(3,2,2)(4,2,2)	$\psi(\lambda\alpha.(\Pi_0[3] \ \Pi_0[2] - p.\Pi_0[\omega]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,0,0)(2,2,2)(3,2,2)- -(4,2,2)(3,2,2)(4,2,2)	$\psi(\lambda\alpha.(\Pi_0[4] \ \Pi_0[3] - p.\Pi_0[\omega]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,0,0)(2,2,2)(3,2,2)(4,2,2)(4,0,0)	$\psi(\lambda\alpha.(p.\Pi_0[\omega] - p.\Pi_0[\omega]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,0,0)(2,2,2)(3,2,2)(4,2,2)(4,0,0)- -(2,2,2)(3,2,2)(4,2,2)(4,0,0)	$\psi(\lambda\alpha.(p.\Pi_0[\omega] - p.\Pi_0[\omega] - p.\Pi_0[\omega]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,0,0)(3,0,0)	$\psi(\lambda\alpha.((p.\Pi_0[\omega])^\omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,0,0)(3,2,0)(2,2,2)- -(3,2,2)(4,2,2)(4,0,0)	$\psi(\lambda\alpha.((p.\Pi_0[\omega])^{1,0}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,0,0)(3,2,1)	$\psi(1 - \lambda\alpha.(\Pi_0[\omega]) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,0,0)(3,2,1)(2,2,2)	$\psi(\lambda\alpha.(\Pi_0[2] \ 1 -$ $(\lambda\beta.(\Pi_0[\omega]) - \Pi_0)[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,0,0)(3,2,1)(2,2,2)(3,2,2)(4,2,2)	$\psi(\lambda\alpha.(\Pi_0[3] \ \Pi_0[2] -$ $(\lambda\beta.(\Pi_0[\omega]) - \Pi_0)[3]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,0,0)(3,2,1)(2,2,2)- -(3,2,2)(4,2,2)(4,0,0)	$\psi(\lambda\alpha.(p.\Pi_0[\omega] - \Pi_0[\omega]) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,0,0)(3,2,2)$	$\psi(\lambda\alpha.(p.(\Pi_0 - \Pi_0)[\omega]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,2)(6,0,0)(5,3,1)$	$\psi(1 - \lambda\alpha.((\Pi_0 - \Pi_0)[\omega]) - \Pi_1)???$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(3,2,2)$	$\psi(\lambda\alpha.(p.(\Pi_0 - \Pi_0 - \Pi_0)[\omega]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_3[\omega]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0)[\omega]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(4,2,1)(5,3,2)$	$\psi(\lambda\alpha.((\lambda\beta.(\Pi_0[2]) - \Pi_0)[\omega]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(7,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(p.\Pi_0[\omega]) - \Pi_0)[\omega]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(7,0,0)(6,3,1)$	$\psi(1 - \lambda\alpha.((\lambda\beta.(\Pi_0[\omega]) - \Pi_1)[\omega]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[\omega + 1]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(4,2,2)(3,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[\omega + 2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,0,0)(3,2,2)(4,2,2)(4,0,0)$	$\psi(\lambda\alpha.(p.\Pi_0[\omega \cdot 2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,0,0)(4,0,0)$	$\psi(\lambda\alpha.(p.\Pi_0[\omega^2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)$	$\psi(\lambda\alpha.(p.\Pi_0[\Omega]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(1,1,1)$	$\psi(\lambda\alpha.(p.\Pi_0[\Omega_\omega]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(p.\Pi_0[\alpha]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(p.\Pi_0[\alpha_1]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(p.\Pi_0[\alpha_\omega]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(p.\Pi_0[\beta]) - \Pi_0)[2]) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(p.\Pi_0[\beta]) - \Pi_0)[3]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\beta.(p.\Pi_0[\beta]) - \Pi_0)[\alpha]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(p.\Pi_0[1, 0]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(3,2,2)(4,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(p.\Pi_0[2, 0]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(p.\Pi_0[1, 0, 0]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(p.\Pi_0[1, , 0]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(4,2,1)$	$\psi(1 - \lambda\alpha.(\Pi_0[1; 0]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(4,2,2)$	$\psi(\lambda\alpha.(\Pi_0[\text{某种意义上的}\omega - \text{ply 扩展}]) - \Pi_0)$ $\leq \psi(a \prec_{\Sigma_1} b \prec_{\Sigma_2} c)$ $= \text{pfec } M_2O$

## A.15 BMS vs 方括号稳定 (帕秋莉.ver)

本节的结果主要引自<sup>[38-40]</sup>。

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,0)(3,2,0)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,0)(4,2,0)(5,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+1}) - \Pi_1 \Pi_1 - \omega - \pi - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \Pi_2 \text{ aft } \alpha) - \Pi_1 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,2,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(\Pi_3 \text{ aft } \alpha) - \Pi_2 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.(\beta + 1) - \Pi_0)$ $- \Pi_0 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \omega) - \Pi_0) - \Pi_0 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1) - \Pi_1 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_1 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0$ $\Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,3,1)(5,4,1)(6,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\delta + 1) - \Pi_0) - \Pi_0) - \Pi_0)$ $- \Pi_0 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,2)$	$\psi(\omega - \pi - \Pi_0 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,2)(2,1,1)(3,2,2)$	$\psi(\omega - \pi - \Pi_0 \Pi_1 - \omega - \pi - \Pi_0 \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,2)(3,1,1)$	$\psi(\Pi_1 - \Pi_2 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,2)(3,1,1)(4,2,2)(4,1,1)$	$\psi(\Pi_1 - \Pi_3 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,1,1)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_1$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,2)$	$\psi(\omega - \pi - \Pi_0 \lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,2)(4,2,0)$	$\psi(\lambda\alpha.(\alpha + 2) - \Pi_0 - \omega - \pi - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3})) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,0,0)$	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(6,2,1)$	$\psi(\lambda\alpha.(I_{\alpha+1}) - \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(6,2,1)(7,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \Pi_2 \text{ aft } \alpha) - \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(6,2,1)(7,2,1)(8,2,1)$	$\psi(\lambda\alpha.(\Pi_3 \text{ aft } \alpha) - \Pi_2 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_1 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,1)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0 - \omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)$	$\psi((\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0 -)^2\omega - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)-$ $-(4,1,1)(5,2,2)(3,1,1)(4,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha \cdot 2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\psi_{\Pi_2 \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha}$ $(2\text{nd } \Pi_2 \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \Pi_2 \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,2,1)(4,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \Pi_2 \text{ aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0$ $\text{aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2}) - \Pi_1$ $\text{aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,1)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0$ $\text{aft } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(2\text{nd } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } 2\text{nd } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(3\text{rd } \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_1 - \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \Pi_1 - \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,2,1)(4,3,2)(4,2,1)$	$\psi(\lambda\alpha.(\Pi_2 - \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,2,1)(4,3,2)(4,2,1)(5,3,2)(5,2,1)$	$\psi(\lambda\alpha.(\Pi_3 - \omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - \omega - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_1 - \omega - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,2,1)(5,3,2)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_2 - \omega - \pi - \Pi_0) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,2,1)(5,3,2)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 2) - \Pi_0 - \omega - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \omega) - \Pi_0 - \omega - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 2) - \Pi_0 - \omega - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1 - \omega - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2}) - \Pi_1 - \omega - \pi - \Pi_0) - \Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma+1)-\Pi_0)$ $-\Pi_0-\omega-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)-$ $-(6,3,1)(7,4,1)(8,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\delta+1)-\Pi_0)$ $-\Pi_0)-\Pi_0-\omega-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega-\pi-\Pi_0 \text{ aft } \beta)$ $-\Pi_0-\omega-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,0)(4,3,0)(5,2,1)(6,3,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\omega-\pi-\Pi_0 \text{ aft } \beta)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \text{ aft } \omega-\pi-\Pi_0 \text{ aft } \beta)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)(4,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.(2\text{nd } \omega-\pi-\Pi_0 \text{ aft } \beta)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)(4,4,2)(4,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_1-\omega-\pi-\Pi_0 \text{ aft } \beta)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(4,3,1)(5,4,2)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2-\omega-\pi-\Pi_0 \text{ aft } \beta)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)(4,4,2)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma+1)-\Pi_0$ $-\omega-\pi-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,2)-$ $-(3,3,1)(4,4,2)(4,4,0)-$ $-(5,4,0)(6,3,1)(7,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\omega-\pi-\Pi_0 \text{ aft } \gamma)$ $-\Pi_0-\omega-\pi-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)(4,4,2)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Pi_2 \text{ aft } \omega-\pi-\Pi_0 \text{ aft } \gamma)-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)$	$\psi(\omega-\pi-\Pi_0-\omega-\pi-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,1)(5,2,1)$	$\psi(\lambda\alpha.(\omega-\pi-\Pi_0-\omega-\pi-\Pi_0 \text{ aft } \alpha)$ $-\Pi_0-\omega-\pi-\Pi_0-\omega-\pi-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \omega-\pi-$ $\Pi_0-\omega-\pi-\Pi_0 \text{ aft } \alpha)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,3,2)(3,3,2)$	$\psi(\lambda\alpha.(2\text{nd } \omega-\pi-$ $\Pi_0-\omega-\pi-\Pi_0 \text{ aft } \alpha)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,3,2)(3,3,2)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1)-$ $\Pi_0-\omega-\pi-\Pi_0-\omega-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,3,2)(3,3,2)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \text{ aft } \omega-\pi-\Pi_0-\omega$ $-\pi-\Pi_0 \text{ aft } \beta)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,2,2)$	$\psi((\omega-\pi-\Pi_0-)^3)$
$(0,0,0)(1,1,1)(2,2,2)(3,0,0)$	$\psi((\omega-\pi-\Pi_0-)^{\omega})$

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$(0,0,0)(1,1,1)(2,2,2)(3,1,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\Omega})$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,1,1)$	$\psi(\Pi_1 - \lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0$ $- \lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha} \text{ aft } \alpha) - \Pi_0$ $- \lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,1,0)(3,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha} \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(2\text{nd } (\omega - \pi - \Pi_0 -)^{\alpha} \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1)$ $- \Pi_0 - (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,3,0)(4,3,0)-$ $-(5,2,1)(6,3,2)(7,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\alpha}$ $\text{aft } \beta) - \Pi_0 - (\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,3,0)(4,3,0)-$ $-(5,2,1)(6,3,2)(7,1,0)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\alpha}$ $\text{aft } \beta) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha}$ $\text{aft } \beta) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)-$ $-(3,3,2)(4,1,0)(3,3,1)-$ $-(4,4,2)(5,1,0)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Pi_2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\alpha})$ $- \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha \cdot 2}) - \Pi_0)$



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$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\alpha^2}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(4,2,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(2,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}+1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(4,2,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+2}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(4,2,1)(5,3,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\lambda\alpha'.(\alpha'+1)-\Pi_0 \text{ aft } \alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(4,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\omega-\pi-\Pi_0 \text{ aft } \alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(4,2,2)(5,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{(\omega-\pi-\Pi_0)^{\Omega_{\alpha+1}}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(4,2,2)(5,1,1)(6,2,2)(7,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{(\omega-\pi-\Pi_0)^{(\omega-\pi-\Pi_0)^{\Omega_{\alpha+1}}})} - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)$	$\psi(\lambda\alpha.(2\text{nd } \lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 -$ $\lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,1)(4,4,2)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.(2\text{nd } (\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,1)-$ $-(4,4,2)(5,2,0)(4,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0 - (\omega - \pi - \Pi_0 -)^{\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,1)-$ $-(4,4,2)(5,2,0)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Pi_2 \text{ aft } (\omega - \pi - \Pi_0 -)^{\beta} \text{ aft } \gamma) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,2)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\beta+1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\psi_{\Omega_{\beta+1}}(\Omega_{\beta+1})}) - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\Omega_{\beta+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,1)(5,3,2)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\Omega_{\beta+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,1)(5,3,2)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{\Omega_{\beta+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.((\omega - \pi - \Pi_0 -)^\gamma) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \text{ aft } \lambda\gamma.((\omega - \pi - \Pi_0 -)^\gamma) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)(4,4,2)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(2\text{nd } \lambda\gamma.((\omega - \pi - \Pi_0 -)^\gamma) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)-$ $-(4,4,2)(5,3,0)(4,4,2)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.((\omega - \pi - \Pi_0 -)^{\gamma+1}) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)(4,4,2)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.((\omega - \pi - \Pi_0 -)^\delta) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)(4,4,2)-$ $-(5,4,0)(4,4,1)(5,5,2)(6,5,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\lambda\epsilon.((\omega - \pi - \Pi_0 -)^\epsilon) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)})$ $= \psi((\omega - \pi - \Pi_0 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(2,2,2)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)+1})$ $= \psi((\omega - \pi - \Pi_0 -)^{(1,1)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)+\alpha(0)})$ $= \psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{(1,\alpha)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(2,2,2)(3,1,1)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)+\Omega_{\alpha(0)+1}})$ $= \psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{(1,\Omega_{\alpha+1})}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(2,2,2)(3,2,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)+\alpha(1)})$ $= \psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{(1,\beta)}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(3,2,0)(2,2,1)(3,3,2)-$ $-(4,3,0)(3,3,2)(4,3,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)+\alpha(2)})$ $= \psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.((\omega - \pi - \Pi_0 -)^{(1,\gamma)}) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega) \cdot 2})$ $= \psi((\omega - \pi - \Pi_0 -)^{(2,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,0,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega) \cdot \omega})$ $= \psi((\omega - \pi - \Pi_0 -)^{(\omega,0)})$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(3,1,0)(2,0,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega) \cdot \alpha(0)})$ $= \psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{(\alpha,0)} - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,2,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega) \cdot \alpha(1)})$ $= \psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^{(\beta,0)} - \Pi_0) - \Pi_0))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)^2})$ $= \psi((\omega - \pi - \Pi_0 -)^{(1,0,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)^3})$ $= \psi((\omega - \pi - \Pi_0 -)^{(1,0,0,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,0,0)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)^\omega})$ $= \psi((\omega - \pi - \Pi_0 -)^{(1@ \omega)})$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(4,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0 -)^{\alpha(\omega)^{\alpha(\omega)}})$ $= \psi((\omega - \pi - \Pi_0 -)^{(1@ (1,0))})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,3,0)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(4,3,0)(2,2,2)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 + \omega - \pi - \Pi_0 -$ $\psi_{\Pi_2 \text{ aft } \omega - \pi - \Pi_1}(\Pi_2 \text{ aft } \omega - \pi - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,0)(2,2,2)(3,2,0)(2,2,2)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 + (\omega - \pi - \Pi_0 -)^{(1,0)}$ $\psi_{\Pi_2 \text{ aft } \omega - \pi - \Pi_1}(\Pi_2 \text{ aft } \omega - \pi - \Pi_1))$ $= \psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 + \psi_{\Pi_2 \text{ aft } \omega - \pi - \Pi_1}$ $(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 + \omega - \pi - \Pi_1))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,0)(2,2,2)(3,2,0)(4,3,0)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 + \psi_{\Pi_2 \text{ aft } \omega - \pi - \Pi_1}$ $(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 +$ $\psi_{\Pi_2 \text{ aft } \omega - \pi - \Pi_1}(\Pi_2 \text{ aft } \omega - \pi - \Pi_1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(4,3,0)(3,0,0)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 + \psi_{\Pi_2 \text{ aft } \omega - \pi - \Pi_1}$ $(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 +$ $\psi_{\Pi_2 \text{ aft } \omega - \pi - \Pi_1}(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(4,3,0)(4,3,0)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 \cdot 2)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(4,3,1)(5,4,2)$	$\psi(\omega - \pi - \Pi_0 \text{ aft } \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,1)(5,4,2)(6,3,0)(5,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^\alpha) - \Pi_0 \text{ aft } \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,1)(5,4,2)(6,4,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0 -)^\beta) - \Pi_0)$ $- \Pi_0 \text{ aft } \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,1)(5,4,2)(6,4,0)(5,4,2)$	$\psi((\omega - \pi - \Pi_0 -)^{(1,0)} \text{ aft } \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,1)(5,4,2)(6,4,0)(7,5,0)$	$\psi(\Pi_2 \text{ aft } 2\text{nd } \omega - \pi - \Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,3,1)-$ $-(5,4,2)(6,4,0)(7,5,1)-$ $-(8,6,2)(9,6,0)(10,7,0)$	$\psi(\Pi_2 \text{ aft } 3\text{rd } \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,1,1)$	$\psi(\Pi_1 - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,0)(3,1,1)(4,2,2)(5,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_1$ $\lambda\alpha.(\alpha + 1) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,0)(3,1,1)(4,2,2)(5,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\alpha + 2) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(2,2,0)(3,2,0)$	$\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,0)(3,2,0)(4,1,1)(5,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \alpha) - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,0)(5,2,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{(1,0)} \text{ aft } \alpha)$ $- \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_1 \text{ aft } \alpha)$ $- \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)(3,1,1)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_1 \text{ aft } \alpha \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0$ $\text{aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(3,3,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_0$ $\text{aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^\alpha \text{ aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,1,1)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0 -)^{\Omega_{\alpha+1}} \text{ aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0-)^{\beta}) - \Pi_0$ $\text{aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0-)^{\Omega_{\beta+1}}) - \Pi_0$ $\text{aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.((\omega - \pi - \Pi_0-)^{\gamma}) - \Pi_0)$ $- \Pi_0 \text{ aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,2)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0-)^{(1,0)}$ $\text{aft } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,1)$	$\psi(\lambda\alpha.(2\text{nd } \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,1)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_1 - \omega - \pi - \Pi_1 \text{ aft } \alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - \omega - \pi - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)-$ $-(3,3,2)(4,3,1)(3,3,0)(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1 - \omega - \pi - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\beta.(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 \text{ aft } \beta) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(2,2,2)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_0-)^{\alpha}\omega - \pi - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(2,2,2)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_0-)^{\beta}$ $\omega - \pi - \Pi_1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_0-)^{(1,0)}\omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(2,2,2)(3,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_1 \omega - \pi - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1$ $\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1$ $\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0-)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_1$ $\omega - \pi - \Pi_0-)^{\beta}) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - (\omega - \pi - \Pi_1 \omega - \pi - \Pi_0)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)(3,2,1)$	$\psi(\Pi_1 - (\omega - \pi - \Pi_1 \omega - \pi - \Pi_0)^{(1,1)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,2)(3,2,1)(3,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1 \omega - \pi - \Pi_0)^{(2,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(4,3,0)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,1)(2,2,2)(3,2,1)(3,2,1)$	$\psi(\omega - \pi - \Pi_1 - \omega - \pi - \Pi_1$ $\omega - \pi - \Pi_0 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,1)(3,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,0,0)$	$\psi((\omega - \pi - \Pi_1)^{\omega})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_1)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\beta.((\omega - \pi - \Pi_1)^{\beta}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,0)(2,2,2)(3,2,1)(4,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_1)^{(1,0)}$ $\omega - \pi - \Pi_0 - (\omega - \pi - \Pi_1)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,0)(3,2,1)$	$\psi(\Pi_1 - (\omega - \pi - \Pi_1)^{(1,1)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,0)(3,2,1)(4,2,0)(2,0,0)$	$\psi((\omega - \pi - \Pi_1)^{(2,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,0)(4,2,0)(2,0,0)$	$\psi((\omega - \pi - \Pi_1)^{(1,0,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,0)(5,3,0)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(2,2,2)$	$\psi(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(3,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_1 - \omega - \pi - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(4,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_2 - \omega - \pi - \Pi_2)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega - \pi - \Pi_2 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,2,0)(2,2,2)$	$\psi((\omega - \pi - \Pi_2 -)^{(1,0)})$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,2,0)(6,3,0)$	$\psi(\Pi_2 \text{ aft } \omega - \pi - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,2,1)(5,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_3 - \omega - \pi - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_4)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,2,1)(5,2,1)(6,2,1)(7,2,1)$	$\psi(\Pi_1 - \omega - \pi - \Pi_5)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha(\omega).(\alpha(\omega) + 1) - \Pi_0) - \Pi_0)$ $= \psi((\omega + 1) - \pi - \lambda x.(x + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(2,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 - \lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(2,2,2)(3,2,1)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_1 \omega - \pi - \Pi_0 -$ $\lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(2,2,2)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0$ $\omega - \pi - \Pi_0 - \lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0$ $\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(3,2,0)$	$\psi(\lambda\alpha.((\lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0$ $\omega - \pi - \Pi_0 -)^{\alpha(1)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0$ $\omega - \pi - \Pi_0 -)^{(1,0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(3,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_1$ $- \lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0) - \Pi_1)$ $= \psi(\Pi_1 - \lambda\alpha.(\Pi_0[2] \ 1 - \Pi_0[2]$ $\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(3,2,1)(4,3,0)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0$ $\omega - \pi - \Pi_1 - \lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(4,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_2$ $- \lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0) - \Pi_2)$ $= \psi(\Pi_1 - \lambda\alpha.(\Pi_0[2]$ $2 - \Pi_0[2] \ \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_2)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(4,2,1)(5,3,0)(5,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_3$ $-\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_3)$ $= \psi(\Pi_1 - \lambda\alpha.(\Pi_0[2] \ 3 - \Pi_0[2]$ $\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \ \lambda\beta.(\beta + 1) - \Pi_0 - \Pi_0[2]$ $\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -)^\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,0)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -)^{\alpha(1)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -)^{(1,0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1) - \Pi_1)$ $= \psi(\lambda\alpha.(\Pi_0[2] \ \lambda\beta.(\beta + 1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0$ $-\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(4,3,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1 \ \lambda\alpha_\omega.$ $(\alpha_\omega + 1) - \Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(5,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1$ $-\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,2,1)(7,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_3) - \Pi_3)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,2,1)(6,3,0)(7,2,0)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_0 -)^\alpha(1)) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,2,1)(6,3,0)(7,2,0)(2,2,2)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_0 -)^{(1,0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,2,1)(6,3,0)(7,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,2,1)(6,3,0)(7,2,1)(8,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_0)$



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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0$ $-\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(4,3,0)(5,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(4,3,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 2) - \Pi_0$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(4,3,0)(5,2,1)(6,3,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0$ $\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 - \lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(4,3,0)(5,2,1)-$ $-(6,3,0)(7,3,0)(5,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_1 -$ $\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(4,3,0)(5,2,1)-$ $-(6,3,0)(7,3,0)(6,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_2$ $-\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(4,3,0)(5,2,1)(6,3,0)(7,3,0)-$ $-(6,3,0)(7,2,1)(8,3,0)(9,3,0)(8,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 3) - \Pi_0$ $-\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0$ $-\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(5,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(5,2,1)(6,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(5,2,1)(6,3,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(5,2,1)(6,3,0)(7,3,0)-$ $-(7,2,1)(8,3,0)(9,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega \cdot 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega^2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega^\omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,1,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \Omega_{\alpha+1}) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,1,1)(7,2,1)(8,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \lambda\beta.(\beta + 1)$ $-\Pi_0 \text{ aft } \alpha) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \alpha(1)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,0)(5,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 2) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 2 + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,2,1)(6,3,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 2 + \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,2,1)(6,3,0)-$ $-(7,3,0)(8,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 3) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,2,1)(6,3,0)(7,3,0)-$ $-(8,2,0)(6,2,1)(7,3,0)-$ $-(8,3,0)(9,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot 4) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(5,3,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega^2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(6,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega^\omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega^{\alpha_\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+1}}(\Omega_{\alpha_\omega+1})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(7,3,1)(8,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+1}}(\lambda\alpha'.(\alpha' + 1)$ $-\Pi_0 \text{ aft } \alpha_\omega)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(7,3,1)(8,4,2)(9,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+1}}$ $(\omega - \pi - \Pi_1 \text{ aft } \alpha_\omega)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,0)(7,3,1)(8,4,2)(9,4,1)-$ $-(10,5,0)(11,5,0)(12,4,0)(13,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+1}}(\lambda\alpha'.(\lambda\alpha'(\omega).$ $(\psi_{\Omega_{\alpha'(\omega)+1}}(\Omega_{\alpha'(\omega)+1})) - \Pi_0) - \Pi_0 \text{ aft } \alpha_\omega)) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,3,0)(6,2,1)(5,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1}) - \Pi_2) - \Pi_2)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,1)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1} + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,1)(5,2,1)-$ $-(6,3,0)(7,3,0)(8,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1} \cdot 2) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1} \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)-$ $-(5,3,0)(6,2,1)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+2}}(\Omega_{\alpha_\omega+2})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+2}}(\Omega_{\alpha_\omega+3})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+2}) - \Pi_1$ $- \lambda\alpha_\omega.(\Omega_{\alpha_\omega+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+2} \cdot \omega) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(4,3,0)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{\Omega_{\alpha_\omega+3}}(\Omega_{\alpha_\omega+4})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+3}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega \cdot 2}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\Omega_{\alpha_\omega+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,2,1)(6,3,1)(7,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\Omega_{\alpha_\omega+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\psi_{I_{\alpha_\omega+1}}(I_{\alpha_\omega+1})) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 - \Pi_2 \text{ aft } \alpha_\omega) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(6,3,1)(7,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_3 \text{ aft } \alpha_\omega) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0)$ $= \psi((\omega + 2) - \pi - \lambda x.(x + 1) - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(2,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -$ $\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(3,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_1 -$ $\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(4,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_2 -$ $\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -$ $\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(4,3,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + \omega) - \Pi_0$ $- \lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(4,3,0)(5,3,0)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1}) - \Pi_1$ $- \lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(4,3,0)(5,3,0)(6,2,1)(7,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+2}) - \Pi_1 -$ $\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(4,3,0)(5,3,0)-$ $-(6,2,1)(7,3,1)(8,4,0)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1)$ $- \Pi_0) - \Pi_0 -)^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 \text{ aft } \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(2\text{nd } \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(5,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_1 - \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\Pi_1 -)^{\alpha} \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\Pi_1 -)^{\alpha_1} \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\Pi_1 -)^{\alpha_\omega} \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(5,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\Pi_1 -)^{\Omega_{\alpha_\omega+1}} \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\Pi_1 -)^{(1,0)} \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 \Pi_1 - \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(5,3,1)(6,4,0)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 - \lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1) - \Pi_0 -)^2) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}+1)$ $-\Pi_0)-)^{\alpha_\omega})-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}+1)$ $-\Pi_0)-)^{(1,0)})-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,3,1)$	$\psi(\Pi_1-\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}+1)$ $-\Pi_1)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,3,1)(7,3,1)$	$\psi(\Pi_1-\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}+1)$ $-\Pi_2)-\Pi_2)-\Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,3,1)(7,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}+2)$ $-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,0)(6,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}+\omega)$ $-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(6,4,0)(7,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}+\alpha_\omega)$ $-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(6,4,0)(7,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}\cdot 2)$ $-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,0)(6,4,0)(7,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\Omega_{\alpha_{\omega+1}+1})$ $-\Pi_1)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\Omega_{\alpha_{\omega+1}+2})$ $-\Pi_1)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\Omega_{\alpha_{\omega+1}+3})$ $-\Pi_1)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\Omega_{\alpha_{\omega+1}+\omega})-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\Omega_{\alpha_{\omega+1}+\alpha_\omega})-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\Omega_{\alpha_{\omega+1}\cdot 2})-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\Omega_{\Omega_{\alpha_{\omega+1}+1}})-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\Pi_2 \text{ aft}$ $\Pi_1-\Pi_2 \text{ aft } \alpha_{\omega+1})-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,4,1)(7,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\Pi_2-\Pi_2 \text{ aft } \alpha_{\omega+1})-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,1)(6,4,1)(7,4,1)(8,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\Pi_3 \text{ aft } \alpha_{\omega+1})-\Pi_2)-\Pi_2)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+2}.(\alpha_{\omega+2}+1)-\Pi_0)-\Pi_0)$ $= \psi((\omega+3)-\pi-\lambda x.(x+1)-\Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\lambda\gamma.(\lambda\delta.(\delta+1)$ $- \Pi_0)-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,0)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\Pi_2 \text{ aft } \lambda\alpha_{\omega+2}.(\alpha_{\omega+2}+1)$ $- \Pi_0)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,0)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\Pi_2 \text{ aft } \lambda\alpha_{\omega+2}.(\alpha_{\omega+2}+1)$ $- \Pi_0)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,4,1)(6,5,0)(5,4,1)(6,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(2\text{nd } \lambda\alpha_{\omega+2}.(\alpha_{\omega+2}+1)$ $- \Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,0)(7,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\lambda\alpha_{\omega+2}.(\alpha_{\omega+2}+1)$ $- \Pi_1)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,0)(7,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\lambda\alpha_{\omega+2}.(\alpha_{\omega+2}+\omega)$ $- \Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\lambda\alpha_{\omega+2}.(\Omega_{\alpha_{\omega+2}+1})$ $- \Pi_1)-\Pi_1)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,4,1)(6,5,1)(7,6,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+3}.(\alpha_{\omega+3}+1)-\Pi_0)-\Pi_0)$ $= \psi((\omega+4)-\pi-\lambda x.(x+1)-\Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\lambda\gamma.(\lambda\delta.(\lambda\epsilon.(\epsilon+1)$ $- \Pi_0)-\Pi_0)-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0)-\Pi_0)$ $= \psi((\omega \cdot 2)-\pi-\Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \omega-\pi-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,2)$	$\psi(\lambda\alpha.(\omega-\pi-\Pi_0-$ $\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0$ $\omega-\pi-\Pi_0-\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(3,2,1)$	$\psi(\Pi_1-\lambda\alpha.(\omega-\pi-\Pi_1-$ $\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0)-\Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(3,2,1)(4,3,2)$	$\psi(\Pi_1-\lambda\alpha.(\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0$ $\omega-\pi-\Pi_1-\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(4,2,1)$	$\psi(\Pi_1-\lambda\alpha.(\omega-\pi-\Pi_2-$ $\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0)-\Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\alpha_{\omega}+1)-\Pi_0-$ $\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0)-\Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,2)$	$\psi(\lambda\alpha.((\lambda\alpha_{\omega}.(\omega-\pi-\Pi_0)-\Pi_0-)^2)-\Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 \text{ aft } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1}) - \Pi_0$ $\text{aft } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(4,3,1)(5,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(2\text{nd } \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,1)(5,4,2)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\Pi_1 -)^{\alpha_\omega} \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,1)(5,4,2)(5,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 \Pi_1 - \omega - \pi - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,1)(5,4,2)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} + 1)$ $-\Pi_0 - \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,1)(5,4,2)(5,4,0)-$ $-(6,4,0)(7,3,1)(8,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\omega - \pi - \Pi_0 \text{ aft } \alpha_{\omega+1})$ $-\Pi_0 - \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,1)(5,4,2)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\Pi_2 \text{ aft } \omega$ $-\pi - \Pi_0) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(4,3,1)(5,4,2)(5,4,1)(6,5,2)(6,5,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\lambda\alpha_{\omega+2}.(\Pi_2 \text{ aft } \omega$ $-\pi - \Pi_0) - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0$ $-\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha_1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha_{\omega+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -$ $\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha_{\omega+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,0)(5,3,0)-$ $-(6,2,1)(7,3,2)(8,3,0)$	$\psi(\lambda\alpha.((\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha_{\omega+1}}) - \Pi_0 -)^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2$ $\text{aft } (\omega - \pi - \Pi_0 -)^{\alpha_{\omega+1}}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(2\text{nd } (\omega - \pi - \Pi_0 -)^{\alpha_{\omega+1}}) - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)(6,3,0)(5,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha_{\omega+1}+1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)(6,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\Omega_{\alpha_{\omega+1}+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)(6,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha_{\omega+2}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)(6,4,0)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_{\omega+1}.(\Pi_2 \text{ aft}$ $(\omega - \pi - \Pi_0 -)^{\alpha_{\omega+2}}) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)(6,4,0)-$ $-(5,4,1)(6,5,2)(6,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{\alpha_{\omega+3}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega - \pi - \Pi_0 -)^{(1,0)}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(6,4,0)$	$\psi(\Pi_2 \text{ aft } \lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1)$ $= \psi((\omega \cdot 2) - \pi - \Pi_1)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\Pi_0[2]) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,3,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_2) - \Pi_2) - \Pi_2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.(\alpha_{\omega \cdot 2} + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.(\Omega_{\alpha_{\omega \cdot 2}+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,1)(7,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.(\lambda\alpha_{\omega \cdot 2+1}.(\alpha_{\omega \cdot 2+1} + 1)$ $- \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,1)(7,5,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.(\lambda\alpha_{\omega \cdot 2+1}.(\Omega_{\alpha_{\omega \cdot 2+1}+2})$ $- \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,1)(6,4,1)(7,5,1)(8,6,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.(\lambda\alpha_{\omega \cdot 2+2}.(\alpha_{\omega \cdot 2+1} + 2)$ $- \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.(\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega \cdot 3) - \pi - \Pi_0)$ $= \psi(\lambda\alpha.(\Pi_0[2] \lambda\beta.(\Pi_0[2]$ $\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,2)(6,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.(\omega - \pi - \Pi_0$ $- \omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$



BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,2)(7,4,1)$	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_{\omega \cdot 2} \cdot (\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1)$ $= \psi(\Pi_1 - (\omega \cdot 3) - \pi - \Pi_1)$ $= \psi(\Pi_1 - \lambda\alpha.(\Pi_0[2] \lambda\beta.(\Pi_0[2]$ $\lambda\gamma.(\Pi_0[2]) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,1)(6,4,2)(7,4,1)(8,5,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 3+1} \cdot (\alpha_{\omega \cdot 3+1} + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,1)(6,4,2)(7,4,1)(8,5,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 3+1} \cdot (\Omega_{\alpha_{\omega \cdot 3+1}+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,1)(6,4,2)(7,4,1)(8,5,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 3} \cdot (\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)$	$\psi(\omega^2 - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,0)$	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,2)$	$\psi((\lambda\alpha.(\omega^2 - \pi - \Pi_0) - \Pi_0)^2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,2)(3,1,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega^2 - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)-$ $-(6,2,2)(3,1,1)(4,2,0)$	$\psi(\lambda\alpha.(\omega^2 - \pi - \Pi_0 + 1) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,0)-$ $-(3,2,0)(4,1,1)(5,2,2)(6,2,2)(3,2,0)$	$\psi(\lambda\alpha.(\omega^2 - \pi - \Pi_0 \text{ aft } \alpha \cdot \omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1 \cdot (\alpha_1 + 1) - \Pi_0 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_1 \cdot (\Omega_{\alpha_1+2}) - \Pi_1 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(3,3,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 - \omega - \pi - \Pi_0$ $\text{aft } \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_1 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,1)(5,4,2)$	$\psi(\lambda\alpha.((\omega \cdot 2) - \pi - \Pi_0 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,1)-$ $-(3,3,2)(4,3,1)(5,4,2)(6,4,1)(7,5,2)$	$\psi(\lambda\alpha.((\omega \cdot 3) - \pi - \Pi_0 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,2)$	$\psi(\lambda\alpha.(2\text{nd } \omega^2 - \pi - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,2)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_1 - \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,2)(3,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \Pi_1 - \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,2)(3,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(\alpha_1 + 1) - \Pi_0 - \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,2)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(\Pi_2 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,1)-$ $-(3,3,2)(4,3,2)(3,3,1)-$ $-(4,4,2)(5,4,2)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_2.(\Pi_2 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -$ $\lambda\alpha_\omega.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_1 \omega - \pi - \Pi_0$ $- \lambda\alpha_\omega.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0) - \Pi_0 \omega - \pi - \Pi_0$ $- \lambda\alpha_\omega.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(3,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_1 -$ $\lambda\alpha_\omega.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -$ $\lambda\alpha_\omega.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 \text{ aft } \omega^2 - \pi - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0 -$ $\lambda\alpha_{\omega.2}.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)-$ $-(5,3,1)(6,4,2)(7,4,2)(6,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega.2}.(\omega - \pi - \Pi_0 -$ $\lambda\alpha_{\omega.3}.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.(\omega^2 - \pi - \Pi_0 - \omega^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,1,0)$	$\psi(\lambda\alpha.((\omega^2 - \pi - \Pi_0 -)^\Omega) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\omega^2 - \pi - \Pi_0 -)^\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1.((\omega^2 - \pi - \Pi_0 -)^{\alpha_1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(2,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 - \lambda\alpha_\omega.$ $((\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,2,0)(2,2,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0 \ \omega - \pi$ $- \Pi_0 - \lambda\alpha_\omega.((\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,2,0)(3,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_1 -$ $\lambda\alpha_\omega.((\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,2,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -$ $\lambda\alpha_\omega.((\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,2,0)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 \text{ aft}$ $(\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,2,0)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0 - \lambda\alpha_{\omega \cdot 2}$ $.((\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,2,0)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2 - \pi - \Pi_0 -)^{\alpha_\omega + 1}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\omega^2 - \pi - \Pi_0 -)^{\Omega_{\alpha_\omega + 1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.$ $((\omega^2 - \pi - \Pi_0 -)^{\alpha_{\omega+1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,0)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.$ $((\omega^2 - \pi - \Pi_0 -)^{\alpha_{\omega \cdot 2}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,0)-$ $-(4,3,2)(5,3,1)(6,4,2)(7,4,2)(8,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2 + 1}.$ $((\omega^2 - \pi - \Pi_0 -)^{\alpha_{\omega \cdot 2 + 1}}) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.((\omega^2 - \pi - \Pi_0 -)^{(1,0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,1)$	$\psi(\Pi_1 - \omega^2 - \pi - \Pi_1)$ $= \psi(\Pi_1 - \lambda\alpha.((\Pi_0 - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,1)$	$\psi(\Pi_1 - \omega^2 - \pi - \Pi_1 - \omega^2 - \pi - \Pi_1)$ $= \psi(\Pi_1 - \lambda\alpha.((\Pi_0 - \Pi_0)[2]$ $1 - (\Pi_0 - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,2,1)$	$\psi(\Pi_1 - \omega^2 - \pi - \Pi_2)$ $= \psi(\Pi_1 - \lambda\alpha.((\Pi_0 - \Pi_0)[2]$ $2 - (\Pi_0 - \Pi_0)[2]) - \Pi_2)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2}.(\alpha_{\omega^2} + 1) - \Pi_0) - \Pi_0)$ $= \psi(\Pi_1 - \lambda\alpha.((\Pi_0 - \Pi_0)[2]$ $\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,0)(5,3,0)(6,2,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2}.(\Omega_{\alpha_{\omega^2}+1}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2}.(\Omega_{\alpha_{\omega^2}+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,1)(5,4,0)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2+1}.(\alpha_{\omega^2+1} + 1) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,1)(5,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2+1}.(\Omega_{\alpha_{\omega^2+1}+2}) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2}.(\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega^2 + \omega) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,1)(6,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2+\omega}.(\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega^2 + \omega \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2}.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega^2 \cdot 2) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,1)-$ $-(4,3,2)(5,3,2)(5,3,1)(6,4,2)(7,4,2)$	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2 \cdot 2}.(\omega^2 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi((\omega^2 \cdot 3) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)$	$\psi(\omega^3 - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,1)$	$\psi(\Pi_1 - \omega^3 - \pi - \Pi_1)$ $= \psi(\Pi_1 - \lambda\alpha.((\Pi_0 - \Pi_0 - \Pi_0)[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,2)$	$\psi(\omega^4 - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,0,0)$	$\psi(\omega^\omega - \pi - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^\omega[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)$	$\psi(\Omega - \pi - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^\Omega[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^\alpha[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0 \cdot 2)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,1,0)(3,2,0)$	$\psi(\Pi_2 \text{ aft } \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,1,0)(3,2,1)(4,3,2)$	$\psi(\omega - \pi - \Pi_0 \text{ aft } \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,2)(6,1,0)-$ $-(1,1,1)(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi((\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0$ $\text{aft } \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,1,0)(4,2,0)(5,3,0)$	$\psi(\Pi_2 \text{ aft } (\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0$ $\text{aft } \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(4,2,1)$	$\psi(\Pi_1 - (\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,2)(6,1,0)-$ $-(4,3,2)(5,3,2)(6,1,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(((\lambda\alpha'.(\alpha'$ $-\pi - \Pi_0) - \Pi_0) - \pi - \Pi_0 -)^2) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,2)(6,1,0)-$ $-(5,1,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(((\lambda\alpha'.(\alpha' - \pi - \Pi_0)$ $-\Pi_0) - \pi - \Pi_0 -)^{\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(5,2,0)$	$\psi(\lambda\alpha.(((\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0)$ $-\pi - \Pi_0 -)^{\Pi_2 \text{ aft } \lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,1,0)(5,2,0)(4,0,0)$	$\psi(\lambda\alpha.(((\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0)$ $-\pi - \Pi_0 -)^{\alpha}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(5,2,1)$	$\psi(\lambda\alpha.(((\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0)$ $-\pi - \Pi_0 -)^{\Omega_{\alpha+1}}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(5,3,0)$	$\psi(\lambda\alpha.(((\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0)$ $-\pi - \Pi_0 -)^{\alpha_1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,1,0)(5,3,0)(4,3,2)$	$\psi(\lambda\alpha.(((\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0)$ $-\pi - \Pi_0 -)^{\alpha_\omega}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,2)(6,1,0)-$ $-(5,3,0)(4,3,2)(5,3,2)(6,1,0)(1,1,1)-$ $-(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(((\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0)$ $-\pi - \Pi_0 -)^{(1,0)}) - \Pi_0)$

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(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,1,0)(5,3,1)	$\psi(\Pi_1 - (\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)(5,3,2)- -(6,1,0)(5,3,1)(6,4,0)	$\psi(\lambda\alpha.(\lambda\alpha_{\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0} \cdot$ $(\alpha_{\lambda\alpha'.(\alpha' - \pi - \Pi_0) - \Pi_0} + 1) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)(5,3,2)- -(6,1,0)(5,3,1)(6,4,2)	$\psi((\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0 + \omega) - \pi - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)(5,3,2)(6,1,0)- -(5,3,1)(6,4,2)(7,4,2)(8,1,0)(1,1,1)- -(2,2,2)(3,2,2)(4,1,0)(2,0,0)	$\psi((\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0 \cdot 2) - \pi - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,1,0)(5,3,2)	$\psi((\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0 \cdot \omega) - \pi - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)(5,3,2)(6,2,0)	$\psi((\Pi_2 \text{ aft } \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)(5,3,2)(6,2,0)- -(3,2,1)(4,3,2)(5,3,2)(6,2,0)	$\psi(((\Pi_2 \text{ aft } \lambda\alpha.$ $(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0) - \pi - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(4,0,0)	$\psi(2\text{nd } \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)(5,3,2)- -(6,2,0)(4,2,0)(5,3,0)	$\psi(\Pi_2 \text{ aft } 2\text{nd } \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,0)(3,2,1)(4,3,2)(5,3,2)(6,2,0)- -(4,2,0)(5,3,1)(6,4,2)- -(7,4,2)(8,3,0)(6,0,0)	$\psi(3\text{rd } \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(4,1,0)(2,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,1)(3,2,2)(4,2,2)(5,1,0)	$\psi(\Omega - \pi - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,1)(3,2,2)(4,2,2)(5,1,0)(1,1,1)- -(2,2,2)(3,2,2)(4,1,0)(2,1,1)	$\psi((\Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0)$ $- \Pi_0) - \pi - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$

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(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,1)(3,2,2)(4,2,2)(5,1,0)(1,1,1)- -(2,2,2)(3,2,2)(4,1,0)(2,1,1)- -(3,2,2)(4,2,2)(5,1,0)	$\psi((\Omega - \pi - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0) - \pi - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,1)(3,2,2)(4,2,2)(5,1,0)(2,0,0)	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0 \Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,1,1)(3,2,2)(4,2,2)(5,1,0)(3,1,1)- -(4,2,2)(5,2,2)(6,1,0)(2,0,0)	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0 \Pi_2 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(4,1,0)(2,2,0)	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,1,0)(2,2,0)(3,2,0)(4,1,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,0)(3,2,0)(4,1,1)(5,2,2)- -(6,2,2)(7,1,0)(2,0,0)	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,0)(3,2,0)(4,1,1)(5,2,2)- -(6,2,2)(7,1,0)(3,1,1)	$\psi(\Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_0) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,0)(3,2,0)(4,1,1)(5,2,2)- -(6,2,2)(7,1,0)(3,2,0)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0 \cdot \omega) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,1,0)(2,2,1)	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,1)(3,3,2)(4,3,2)(5,1,0)(2,0,0)	$\psi(\lambda\alpha.(2\text{nd } \lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,1)(3,3,2)(4,3,2)(5,1,0)(3,0,0)	$\psi(\lambda\alpha.(\Pi_1 - \lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,1)(3,3,2)(4,3,2)(5,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,1,0)(2,0,0)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0 \Pi_1 - \lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,1)(3,3,2)(4,3,2)(5,1,0)(3,3,0)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\alpha_1 + 1) - \Pi_0 - \lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,1)(3,3,2)(4,3,2)(5,1,0)(3,3,0)- -(4,3,0)(5,2,1)(6,3,2)- -(7,3,2)(8,1,0)(2,0,0)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0 - \lambda\alpha_1.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)- -(2,2,1)(3,3,2)(4,3,2)(5,1,0)(3,3,1)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\Pi_2 \text{ aft } (\lambda\alpha_2.(\alpha - \pi - \Pi_0) - \Pi_0)) - \Pi_1) - \Pi_1)$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,1,0)(3,3,1)-$ $-(4,4,2)(5,4,2)(6,1,0)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_2.(\Pi_2 \text{ aft}$ $(\lambda\alpha_3.(\alpha - \pi - \Pi_0) - \Pi_0)) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(2,2,2)$	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -$ $\lambda\alpha_\omega.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha - \pi - \Pi_0) - \Pi_0 \ \omega - \pi - \Pi_0$ $-\lambda\alpha_\omega.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(3,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\omega - \pi - \Pi_1 -$ $\lambda\alpha_\omega.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega + 1) - \Pi_0 -$ $\lambda\alpha_\omega.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,1,0)-$ $-(4,3,0)(5,3,0)(6,2,1)(7,3,2)(8,3,2)-$ $-(9,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha - \pi - \Pi_0) - \Pi_0 -$ $\lambda\alpha_\omega.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(4,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 \text{ aft}$ $(\lambda\alpha_{\omega+1}.(\alpha - \pi - \Pi_0) - \Pi_0)) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,1,0)(4,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0 -$ $(\lambda\alpha_{\omega \cdot 2}.(\alpha - \pi - \Pi_0) - \Pi_0)) - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\omega \cdot 2) - \pi - \Pi_0 -$ $\lambda\alpha_{\omega \cdot 2}.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,2,2)(3,2,2)$	$\psi(\lambda\alpha.(\omega^2 - \pi - \Pi_0 -$ $\lambda\alpha_{\omega^2}.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,2,2)(3,2,2)(4,0,0)$	$\psi(\lambda\alpha.(\omega^\omega - \pi - \Pi_0 -$ $\lambda\alpha_{\omega^\omega}.(\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha - \pi - \Pi_0 - \alpha - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0)^\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha - \pi - \Pi_0)^{(1,0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_1) - \Pi_1)$ $= \psi(\lambda\alpha.((\Pi_0)^\alpha[2] \ 1 - (\Pi_0)^\alpha[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,1)(4,3,0)$	$\psi(\lambda\alpha.(\lambda\alpha_\alpha.(\alpha_\alpha + 1) - \Pi_0) - \Pi_0)$



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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.((\alpha + \omega) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\lambda\alpha.((\alpha + \omega^2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha \cdot 2) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(5,3,1)-$ $-(6,4,2)(7,4,2)(8,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha \cdot 3) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(3,2,2)$	$\psi(\lambda\alpha.((\alpha \cdot \omega) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,2)(4,1,0)(3,2,2)$	$\psi(\lambda\alpha.(\alpha^2 - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(5,2,0)$	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)$	$\psi(\lambda\alpha.(\Omega_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,1)(6,3,0)$	$\psi(\lambda\alpha.((\lambda\alpha_1.(\alpha_1 + 1) - \Pi_0 \text{ aft } \alpha) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,1)(5,2,2)(6,2,2)(7,1,1)$	$\psi(\lambda\alpha.((\Omega_{\alpha+1} - \pi - \Pi_0) - \pi - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.(\lambda\alpha_1.((\Pi_0 -)^{\alpha_1}[2]) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(2,2,1)$	$\psi(\lambda\alpha.(\Pi_2 \text{ aft } \lambda\alpha_1.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,1)(3,3,2)(4,3,2)(5,2,0)$	$\psi(\lambda\alpha.(2\text{nd } \lambda\alpha_1.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\Pi_1 - \lambda\alpha_1.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,0)(3,3,1)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(\Pi_2 \text{ aft } \lambda\alpha_2.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,0)-$ $-(3,3,1)(4,4,2)(5,4,2)(6,2,0)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(2\text{nd } \lambda\alpha_2.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,0)(3,3,1)-$ $-(4,4,2)(5,4,2)(6,2,0)(4,4,1)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(\lambda\alpha_2.(\Pi_2 \text{ aft } \lambda\alpha_3.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_1) - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,0)(3,3,2)$	$\psi(\lambda\alpha.(\lambda\alpha_1.(\omega - \pi - \Pi_0 - \lambda\alpha_\omega.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$

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(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)- -(5,2,0)(3,3,2)(4,3,2)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\omega^2 - \pi - \Pi_0 - \lambda\alpha_{\omega^2}.(\alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)(5,2,0)- -(3,3,2)(4,3,2)(5,2,0)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\alpha_1 - \pi - \Pi_0 - \alpha_1 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)(5,2,0)(4,3,1)	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_1.(\alpha_1 - \pi - \Pi_1) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)- -(5,2,0)(4,3,1)(5,4,0)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\lambda\alpha_{\alpha(1)}.(\alpha_{\alpha(1)} + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)- -(5,2,0)(4,3,1)(5,4,2)	$\psi(\lambda\alpha.(\lambda\alpha_1.((\alpha_1 + \omega) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)(5,2,0)- -(4,3,1)(5,4,2)(6,4,2)(7,2,0)	$\psi(\lambda\alpha.(\lambda\alpha_1.((\alpha_1 \cdot 2) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)(5,2,0)(4,3,2)	$\psi(\lambda\alpha.(\lambda\alpha_1.((\alpha_1 \cdot \omega) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)- -(5,2,0)(4,3,2)(5,2,0)	$\psi(\lambda\alpha.(\lambda\alpha_1.((\alpha_1^2) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)(5,2,1)	$\psi(\lambda\alpha.(\lambda\alpha_1.(\Omega_{\alpha_1+1} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)(5,3,0)	$\psi(\lambda\alpha.(\lambda\alpha_2.(\alpha_2 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)(5,3,0)- -(3,3,1)(4,4,2)(5,4,2)(6,3,0)	$\psi(\lambda\alpha.(\lambda\alpha_2.(2\text{nd } \lambda\alpha_3.(\alpha_2 - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,1)(3,3,2)(4,3,2)(5,3,0)- -(3,3,1)(4,4,2)(5,4,2)(6,4,0)	$\psi(\lambda\alpha.(\lambda\alpha_3.(\alpha_3 - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,0)(2,2,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\alpha_{\omega} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,0)(2,2,2)(3,2,1)(4,3,0)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\alpha_{\omega} + 1) - \Pi_0 - \lambda\alpha_{\omega}.(\alpha_{\omega} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(2,2,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega}.(\alpha_{\omega} - \pi - \Pi_0) - \Pi_0 - \lambda\alpha_{\omega}.(\alpha_{\omega} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(4,3,1)	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Pi_2 \text{ aft}$ $\lambda\alpha_{\omega+1}.(\alpha_\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(4,3,2)	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\omega - \pi - \Pi_0 -$ $\lambda\alpha_{\omega \cdot 2}.(\alpha_\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,2,0)- -(4,3,2)(5,3,2)(6,2,0)(2,2,2)	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega - \pi - \Pi_0$ $-\alpha_\omega - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(5,3,1)	$\psi(\Pi_1 - \lambda\alpha.(\lambda\alpha_\omega.(\alpha_\omega$ $-\pi - \Pi_1) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(5,3,2)	$\psi(\lambda\alpha.(\lambda\alpha_\omega.((\alpha_\omega \cdot \omega) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,2,1)	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\Omega_{\alpha_\omega+1} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,0)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega+1}.(\alpha_{\omega+1} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(6,3,0)(4,3,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 2}.(\alpha_{\omega \cdot 2} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,0)- -(4,3,2)(5,3,1)(6,4,2)- -(7,4,2)(8,4,0)(6,4,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega \cdot 3}.(\alpha_{\omega \cdot 3} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,0)(2,2,2)(3,2,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^2}.(\alpha_{\omega^2} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,0)(2,2,2)(3,2,2)(3,2,2)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^3}.(\alpha_{\omega^3} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,0)(2,2,2)(3,2,2)(4,0,0)	$\psi(\lambda\alpha.(\lambda\alpha_{\omega^\omega}.(\alpha_{\omega^\omega} - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0)$ $= \lambda\alpha.((\Pi_0 -)^{\alpha} [2] [2]) - \Pi_0$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)	$\psi(\Pi_1 - \lambda\alpha.(\alpha - \pi - \Pi_1 -$ $\lambda\alpha_\alpha.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,1,0)(2,0,0)	$\psi(\lambda\alpha.(\lambda\alpha_\alpha.(\alpha - \pi - \Pi_0) - \Pi_0$ $\alpha - \pi - \Pi_1 - \lambda\alpha_\alpha.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,2,0)(2,2,2)	$\psi(\lambda\alpha.(\lambda\alpha_\omega.(\lambda\alpha_\alpha.(\alpha_\omega - \pi - \Pi_0) - \Pi_0 \alpha - \pi - \Pi_1 - \lambda\alpha_\alpha.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(2,2,2)- -(3,2,2)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.(\lambda\alpha_\alpha.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0 \alpha - \pi - \Pi_1 - \lambda\alpha_\alpha.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(4,3,0)	$\psi(\lambda\alpha.(\lambda\alpha_\alpha.(\alpha_\alpha + 1) - \Pi_0 - \lambda\alpha_\alpha.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,2,0)(4,3,1)	$\psi(\lambda\alpha.(\lambda\alpha_\alpha.(\Pi_2 \text{ aft } \lambda\alpha_{\alpha+1}.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_1) - \Pi_1)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,2,0)(4,3,2)	$\psi(\lambda\alpha.(\lambda\alpha_\alpha.(\omega - \pi - \Pi_0 - \lambda\alpha_{\alpha+\omega}.(\alpha_\alpha - \pi - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(4,3,2)(5,3,2)(6,2,0)- -(2,2,2)(3,2,2)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.(\alpha_\alpha - \pi - \Pi_0 - \alpha_\alpha - \pi - \Pi_0) - \Pi_0))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(5,3,1)(6,4,2)	$\psi(\lambda\alpha.((\alpha_\alpha + \omega) - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(5,3,1)(6,4,2)(7,4,2)- -(8,2,0)(2,2,2)(3,2,2)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.((\alpha_\alpha \cdot 2) - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,2,0)(5,3,1)(6,4,2)(7,4,2)- -(8,2,0)(7,4,1)(8,5,2)(9,5,2)(10,2,0)- -(2,2,2)(3,2,2)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.((\alpha_\alpha \cdot 3) - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,2,0)(5,3,2)	$\psi(\lambda\alpha.((\alpha_\alpha \cdot \omega) - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,2,0)(5,3,2)	$\psi(\lambda\alpha.((\alpha_\alpha \cdot \omega) - \pi - \Pi_0) - \Pi_0)$

BMS	方括号稳定
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,2,1)	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \pi - \Pi_0) - \Pi_0$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)- -(4,3,2)(5,3,2)(6,3,0)	$\psi(\lambda\alpha.(\alpha_{\alpha+1} - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,3,0)(4,3,2)(5,3,2)- -(6,1,0)(2,0,0)	$\psi(\lambda\alpha.(\alpha_{\alpha \cdot 2} - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,3,0)(4,3,2)(5,3,2)(6,1,0)- -(5,3,1)(6,4,2)(7,4,2)(8,4,0)	$\psi(\lambda\alpha.(\alpha_{\alpha \cdot 2+1} - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,1)(4,3,2)- -(5,3,2)(6,3,0)(4,3,2)(5,3,2)(6,1,0)- -(5,3,1)(6,4,2)(7,4,2)(8,4,0)- -(6,4,2)(7,4,2)(8,1,0)(2,0,0)	$\psi(\lambda\alpha.(\alpha_{\alpha \cdot 3} - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)(3,2,2)	$\psi(\lambda\alpha.(\alpha_{\alpha \cdot \omega} - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,0)- -(3,2,2)(4,1,0)(2,0,0)	$\psi(\lambda\alpha.(\alpha_{\alpha^2} - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,1,1)	$\psi(\lambda\alpha.(\alpha_{\Omega_{\alpha+1}} - \pi - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,2,0)	$\psi(\lambda\alpha.(\alpha_{\alpha(1)} - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(\Pi_0 -)^{\alpha_1[2]}[2]}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,2,0)- -(2,2,2)(3,2,2)(4,2,0)	$\psi(\lambda\alpha.(\alpha_{\alpha(\alpha(1))} - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(\Pi_0 -)^{(\Pi_0 -)^{\alpha_1[2]}[2]}[2]}) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(4,2,0)(3,0,0)	$\psi(\lambda\alpha.(\alpha(1, 0) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1,0)}[2]) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,0)(3,0,0)(2,2,2)	$\psi(\lambda\alpha.(\omega - \pi - \Pi_0 -$ $\lambda\alpha_{\omega}.(\alpha(1, 0) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,0)(3,0,0)(2,2,2)(3,2,2)(4,2,0)	$\psi(\lambda\alpha.(\alpha_1 - \pi - \Pi_0 -$ $\lambda\alpha_{\alpha(1)}.(\alpha(1, 0) - \pi - \Pi_0) - \Pi_0) - \Pi_0)$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)- -(3,0,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)	$\psi(\lambda\alpha.(\alpha(1, 0) - \pi - \Pi_0 -$ $\alpha(1, 0) - \pi - \Pi_0) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,1,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha(1,0) - \pi - \Pi_0 -)^\alpha) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)$	$\psi(\lambda\alpha.((\alpha(1,0) - \pi - \Pi_0 -)^{\alpha_1}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)(2,0,0)$	$\psi(\lambda\alpha.((\alpha(1,0) - \pi - \Pi_0 -)^{(1,0)}) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\alpha(1,0) - \pi - \Pi_1) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,2)$	$\psi(\lambda\alpha.((\alpha(1,0) + \omega) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1,1)}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)-$ $-(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.((\alpha(1,0) \cdot 2) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1,(\Pi_0 -)^{(1,0)}[2])}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)(5,3,2)$	$\psi(\lambda\alpha.((\alpha(1,0) \cdot 2) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1,(\Pi_0 -)^{(1,0)}[2] \cdot \omega)}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,1)$	$\psi(\lambda\alpha.((\Omega_{\alpha(1,0)+1}) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1,\Omega_{(\Pi_0 -)^{(1,0)}[2]+1})}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)$	$\psi(\lambda\alpha.(\alpha(1,1) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1,((\Pi_0 -)^{(1,0)}[2] \lambda\beta.(\beta+1) - \Pi_0))}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)-$ $-(4,3,2)(5,3,2)(6,3,0)(4,3,2)$	$\psi(\lambda\alpha.(\alpha(1, \alpha(1, \omega)) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1,(\Pi_0 -)^{(1,(\Pi_0 -)^{(1,1)}[2])}[2])}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,0,0)$	$\psi(\lambda\alpha.(\alpha(2,0) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(2,0)}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,3,1)-$ $-(6,4,2)(7,4,2)(8,4,0)(7,0,0)$	$\psi(\lambda\alpha.(\alpha(3,0) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(3,0)}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,2,2)$	$\psi(\lambda\alpha.(\alpha(\omega,0) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(\omega,0)}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\lambda\alpha.(\alpha(\alpha,0) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(\alpha,0)}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\alpha(1,0,0) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1,0,0)}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(4,0,0)$	$\psi(\lambda\alpha.(\alpha(1@ \omega) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1@ \omega)}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(4,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\alpha(1@(1,0)) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0 -)^{(1@(1,0))}[2]) - \Pi_0)$

BMS	方括号稳定
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(5,2,0)(3,0,0)$	$\psi(\lambda\alpha.(\alpha(1@(1@(1,0))) - \pi - \Pi_0) - \Pi_0)$ $= \psi(\lambda\alpha.((\Pi_0-)^{(1@(1@(1,0)))}[2]) - \Pi_0)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(5,3,0)$	$\psi(\Pi_2 \text{ aft } \lambda\alpha.(\Pi_3[2]) - \Pi_1)$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\Pi_1 - \lambda\alpha.(\Pi_3[2]) - \Pi_1)$

## A.16 0–Y 序列 vs MOCF/反射 OCF/稳定 OCF

本节的结果主要引自<sup>[41-61]</sup>，所使用的反射/稳定 OCF 为油手就行定义的 Madore-like 版本。

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
$\emptyset$	0
1	1
1,1	2
1,2	$\omega$
1,2,1	$\omega + 1$
1,2,1,2	$\omega \cdot 2$
1,2,2	$\omega^2$
1,2,2,2	$\omega^3$
1,2,3	$\omega^\omega$
1,2,3,2	$\omega^{\omega+1}$
1,2,3,2,2	$\omega^{\omega+2}$
1,2,3,2,3	$\omega^{\omega \cdot 2}$
1,2,3,3	$\omega^{\omega^2}$
1,2,3,3,3	$\omega^{\omega^3}$
1,2,3,4	$\omega^{\omega^\omega}$
1,2,3,4,5	$\omega^{\omega^{\omega^\omega}}$
1,3	$\varepsilon_0$
1,3,2	$\varepsilon_0 \cdot \omega$

0-Y 序列	MOCF/反射 OCF/稳定 OCF
1,3,2,3	$\varepsilon_0 \cdot \omega^\omega$
1,3,2,3,3	$\varepsilon_0 \cdot \omega^{\omega^2}$
1,3,2,3,4	$\varepsilon_0 \cdot \omega^{\omega^\omega}$
1,3,2,4	$\varepsilon_0^2$
1,3,2,4,2,3,4	$\varepsilon_0^2 \cdot \omega^{\omega^\omega}$
1,3,2,4,2,4	$\varepsilon_0^3$
1,3,2,4,3	$\varepsilon_0^\omega$
1,3,2,4,3,4	$\varepsilon_0^{\omega^\omega}$
1,3,2,4,3,4,5	$\varepsilon_0^{\omega^{\omega^\omega}}$
1,3,2,4,3,5	$\varepsilon_0^{\varepsilon_0}$
1,3,3	$\varepsilon_1$
1,3,3,2,4	$\varepsilon_1 \cdot \varepsilon_0$
1,3,3,2,4,3	$\varepsilon_1 \cdot \varepsilon_0^\omega$
1,3,3,2,4,3,4,5	$\varepsilon_1 \cdot \varepsilon_0^{\varepsilon_0}$
1,3,3,2,4,4	$\varepsilon_1^2$
1,3,3,2,4,4,3	$\varepsilon_1^\omega$
1,3,3,2,4,4,3,5	$\varepsilon_1^{\varepsilon_0}$
1,3,3,2,4,4,3,5,5	$\varepsilon_1^{\varepsilon_1}$
1,3,3,3	$\varepsilon_2$
1,3,4	$\varepsilon_\omega$
1,3,4,2,4	$\varepsilon_\omega \cdot \varepsilon_0$
1,3,4,2,4,4	$\varepsilon_\omega \cdot \varepsilon_1$
1,3,4,2,4,5	$\varepsilon_\omega^2$
1,3,4,3	$\varepsilon_{\omega+1}$
1,3,4,3,3	$\varepsilon_{\omega+2}$
1,3,4,3,4	$\varepsilon_{\omega \cdot 2}$



$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,3,4,4	$\varepsilon_{\omega^2}$
1,3,4,5	$\varepsilon_{\omega^\omega}$
1,3,4,6	$\varepsilon_{\varepsilon_0}$
1,3,4,6,4	$\varepsilon_{\varepsilon_0 \cdot \omega}$
1,3,4,6,5	$\varepsilon_{\varepsilon_0^\omega}$
1,3,4,6,6	$\varepsilon_{\varepsilon_1}$
1,3,4,6,7	$\varepsilon_{\varepsilon_\omega}$
1,3,4,6,7,9	$\varepsilon_{\varepsilon_{\varepsilon_0}}$
1,3,5	$\zeta_0$
1,3,5,3	$\varepsilon_{\zeta_0+1}$
1,3,5,3,4,6	$\varepsilon_{\zeta_0+\varepsilon_0}$
1,3,5,3,4,6,7,9	$\varepsilon_{\zeta_0+\varepsilon_{\varepsilon_0}}$
1,3,5,3,4,6,8	$\varepsilon_{\zeta_0 \cdot 2}$
1,3,5,3,4,6,8,5,7,9	$\varepsilon_{\zeta_0^2}$
1,3,5,3,4,6,8,6	$\varepsilon_{\varepsilon_{\zeta_0+1}}$
1,3,5,3,4,6,8,6,7,9, 11,9	$\varepsilon_{\varepsilon_{\varepsilon_{\zeta_0+1}}}$
1,3,5,3,5	$\zeta_1$
1,3,5,3,5,3	$\varepsilon_{\zeta_1+1}$
1,3,5,3,5,3,4,6,8,6, 8,6	$\varepsilon_{\varepsilon_{\zeta_1+1}}$
1,3,5,3,5,3,5	$\zeta_2$
1,3,5,4	$\zeta_\omega$
1,3,5,4,3,5,4	$\zeta_{\omega \cdot 2}$
1,3,5,4,4	$\zeta_{\omega^2}$
1,3,5,4,5	$\zeta_{\omega^\omega}$
1,3,5,4,6	$\zeta_{\varepsilon_0}$
1,3,5,4,6,6	$\zeta_{\varepsilon_1}$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,3,5,4,6,7	$\zeta_{\varepsilon_\omega}$
1,3,5,4,6,8	$\zeta_{\zeta_0}$
1,3,5,4,6,8,7,9,11	$\zeta_{\zeta_{\zeta_0}}$
1,3,5,5	$\eta_0$
1,3,5,5,3,5,5	$\eta_1$
1,3,5,5,4,5	$\eta_{\omega^\omega}$
1,3,5,5,4,6	$\eta_{\varepsilon_0}$
1,3,5,5,4,6,8	$\eta_{\zeta_0}$
1,3,5,5,4,6,8,8	$\eta_{\eta_0}$
1,3,5,5,5	$\varphi(4, 0)$
1,3,5,6	$\varphi(\omega, 0)$
1,3,5,6,3	$\varphi(1, \varphi(\omega, 0) + 1)$
1,3,5,6,3,5	$\varphi(2, \varphi(\omega, 0) + 1)$
1,3,5,6,3,5,5	$\varphi(3, \varphi(\omega, 0) + 1)$
1,3,5,6,3,5,6	$\varphi(\omega, 1)$
1,3,5,6,3,5,6,3	$\varphi(1, \varphi(\omega, 1) + 1)$
1,3,5,6,3,5,6,3,5,6	$\varphi(\omega, 2)$
1,3,5,6,4	$\varphi(\omega, \omega)$
1,3,5,6,4,3,5,6,4	$\varphi(\omega, \omega \cdot 2)$
1,3,5,6,4,4	$\varphi(\omega, \omega^2)$
1,3,5,6,4,5	$\varphi(\omega, \omega^\omega)$
1,3,5,6,4,6	$\varphi(\omega, \varphi(1, 0))$
1,3,5,6,4,6,8	$\varphi(\omega, \varphi(2, 0))$
1,3,5,6,4,6,8,8	$\varphi(\omega, \varphi(3, 0))$
1,3,5,6,4,6,8,9	$\varphi(\omega, \varphi(\omega, 0))$
1,3,5,6,5	$\varphi(\omega + 1, 0)$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,3,5,6,5,4,6,8,9,8	$\varphi(\omega+1, \varphi(\omega+1, 0))$
1,3,5,6,5,5	$\varphi(\omega+2, 0)$
1,3,5,6,5,6	$\varphi(\omega \cdot 2, 0)$
1,3,5,6,5,6,5,6	$\varphi(\omega \cdot 3, 0)$
1,3,5,6,6	$\varphi(\omega^2, 0)$
1,3,5,6,7	$\varphi(\omega^\omega, 0)$
1,3,5,6,8	$\varphi(\varphi(1, 0), 0)$
1,3,5,6,8,10	$\varphi(\varphi(2, 0), 0)$
1,3,5,6,8,10,10	$\varphi(\varphi(3, 0), 0)$
1,3,5,6,8,10,11	$\varphi(\varphi(\omega, 0), 0)$
1,3,5,6,8,10,11,13	$\varphi(\varphi(\varphi(1, 0), 0), 0)$
1,3,5,6,8,10,11,13,15	$\varphi(\varphi(\varphi(2, 0), 0), 0)$
1,3,5,7	$\varphi(1, 0, 0)$
1,3,5,7,3	$\varphi(1, \varphi(1, 0, 0) + 1)$
1,3,5,7,3,5	$\varphi(2, \varphi(1, 0, 0) + 1)$
1,3,5,7,3,5,6	$\varphi(\omega, \varphi(1, 0, 0) + 1)$
1,3,5,7,3,5,6,8	$\varphi(\varphi(1, 0), \varphi(1, 0, 0) + 1)$
1,3,5,7,3,5, 6,8,10,12	$\varphi(\varphi(1, 0, 0), 1)$
1,3,5,7,3,5,6,8,10,12,3, 5,6,8,10,12	$\varphi(\varphi(1, 0, 0), 2)$
1,3,5,7,3,5, 6,8,10,12,4	$\varphi(\varphi(1, 0, 0), \omega)$
1,3,5,7,3,5,6, 8,10,12,4,6	$\varphi(\varphi(1, 0, 0), \varphi(1, 0))$
1,3,5,7,3,5,6,8, 10,12,4,6,8,10	$\varphi(\varphi(1, 0, 0), \varphi(1, 0, 0))$
1,3,5,7,3,5,6, 8,10,12,5	$\varphi(\varphi(1, 0, 0) + 1, 0)$
1,3,5,7,3,5,6, 8,10,12,5,6	$\varphi(\varphi(1, 0, 0) + \omega, 0)$

0-Y 序列	MOCF/反射 OCF/稳定 OCF
1,3,5,7,3,5,6,8, 10,12,5,6,8	$\varphi(\varphi(1, 0, 0) + \varphi(1, 0), 0)$
1,3,5,7,3,5,6,8, 10,12,5,6,8,10,12	$\varphi(\varphi(1, 0, 0) \cdot 2, 0)$
1,3,5,7,3,5,6,8, 10,12,6	$\varphi(\varphi(1, 0, 0) \cdot \omega, 0)$
1,3,5,7,3,5,6,8, 10,12,6,7	$\varphi(\varphi(1, 0, 0) \cdot \omega^\omega, 0)$
1,3,5,7,3,5,6,8, 10,12,6,8	$\varphi(\varphi(1, 0, 0) \cdot \varphi(1, 0), 0)$
1,3,5,7,3,5,6,8, 10,12,6,8,10,12	$\varphi(\varphi(1, 0, 0)^2, 0)$
1,3,5,7,3,5,6,8, 10,12,7	$\varphi(\varphi(\varphi(1, 0, 0)^\omega, 0)$
1,3,5,7,3,5,6,8, 10,12,7,8	$\varphi(\varphi(\varphi(1, 0, 0)^{\omega^\omega}, 0)$
1,3,5,7,3,5,6,8, 10,12,8	$\varphi(\varphi(1, \varphi(1, 0, 0) + 1), 0)$
1,3,5,7,3,5,6,8, 10,12,8,10,11	$\varphi(\varphi(\omega, \varphi(1, 0, 0) + 1), 0)$
1,3,5,7,3,5,7	$\varphi(1, 0, 1)$
1,3,5,7,3,5,7,3,5,7	$\varphi(1, 0, 2)$
1,3,5,7,4	$\varphi(1, 0, \omega)$
1,3,5,7,4,6	$\varphi(1, 0, \varphi(1, 0))$
1,3,5,7,4,6,8,10	$\varphi(1, 0, \varphi(1, 0, 0))$
1,3,5,7,5	$\varphi(1, 1, 0)$
1,3,5,7,5,4,6,8,10,8	$\varphi(1, 1, \varphi(1, 1, 0))$
1,3,5,7,5,5	$\varphi(1, 2, 0)$
1,3,5,7,5,6	$\varphi(1, \omega, 0)$
1,3,5,7,5,6,8	$\varphi(1, \varphi(1, 0), 0)$
1,3,5,7,5,6,8,10,12	$\varphi(1, \varphi(1, 0, 0), 0)$
1,3,5,7,5,7	$\varphi(2, 0, 0)$
1,3,5,7,5,7,5,6, 8,10,12,10,12	$\varphi(2, \varphi(2, 0, 0), 0)$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,3,5,7,5,7,5,7	$\varphi(3, 0, 0)$
1,3,5,7,6	$\varphi(\omega, 0, 0)$
1,3,5,7,6,8	$\varphi(\varphi(1, 0), 0, 0)$
1,3,5,7,6,8,10,12	$\varphi(\varphi(1, 0, 0), 0, 0)$
1,3,5,7,7	$\varphi(1, 0, 0, 0)$
1,3,5,7,7,3,5,7,7	$\varphi(1, 0, 0, 1)$
1,3,5,7,7,5	$\varphi(1, 0, 1, 0)$
1,3,5,7,7,5,7	$\varphi(1, 1, 0, 0)$
1,3,5,7,7,5,7,7	$\varphi(2, 0, 0, 0)$
1,3,5,7,7,6	$\varphi(\omega, 0, 0, 0)$
1,3,5,7,7,6,8,10,12,12	$\varphi(\varphi(1, 0, 0, 0), 0, 0, 0)$
1,3,5,7,7,7	$\varphi(1, 0, 0, 0, 0)$
1,3,5,7,7,7,7	$\varphi(1, 0, 0, 0, 0, 0)$
1,3,5,7,8	$\psi(\Omega^{\Omega^\omega})$
1,3,5,7,8,3	$\psi(\Omega^{\Omega^\omega} + 1)$
1,3,5,7,8,3,5,7,8	$\psi(\Omega^{\Omega^\omega} \cdot 2)$
1,3,5,7,8,5	$\psi(\Omega^{\Omega^\omega+1})$
1,3,5,7,8,5,7	$\psi(\Omega^{\Omega^\omega+\Omega})$
1,3,5,7,8,5,7,8	$\psi(\Omega^{\Omega^\omega \cdot 2})$
1,3,5,7,8,7	$\psi(\Omega^{\Omega^{\omega+1}})$
1,3,5,7,8,7,8	$\psi(\Omega^{\Omega^{\omega \cdot 2}})$
1,3,5,7,8,8	$\psi(\Omega^{\Omega^{\omega^2}})$
1,3,5,7,8,10	$\psi(\Omega^{\Omega^{\psi(0)}})$
1,3,5,7,8,10,12	$\psi(\Omega^{\Omega^{\psi(\Omega)}})$
1,3,5,7,8,10,12,14	$\psi(\Omega^{\Omega^{\psi(\Omega^\Omega)}})$
1,3,5,7,8,10,12,14,15	$\psi(\Omega^{\Omega^{\psi(\Omega^{\Omega^\omega})}})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,3,5,7,9	$\psi(\Omega^{\Omega^{\Omega}})$
1,3,5,7,9,3	$\psi(\Omega^{\Omega^{\Omega}} + 1)$
1,3,5,7,9,5	$\psi(\Omega^{\Omega^{\Omega}+1})$
1,3,5,7,9,7	$\psi(\Omega^{\Omega^{\Omega+1}})$
1,3,5,7,9,7,9	$\psi(\Omega^{\Omega^{\Omega \cdot 2}})$
1,3,5,7,9,11	$\psi(\Omega^{\Omega^{\Omega^{\Omega}}})$
1,3,6	$\psi(\psi_1(0))$ BHO
1,3,6,3	$\psi(\psi_1(0) + 1)$
1,3,6,3,4,6	$\psi(\psi_1(0) + \psi(0))$
1,3,6,3,4,6,8	$\psi(\psi_1(0) + \psi(\Omega))$
1,3,6,3,4,6,9	$\psi(\psi_1(0) + \psi(\psi_1(0)))$
1,3,6,3,5	$\psi(\psi_1(0) + \Omega)$
1,3,6,3,5,7	$\psi(\psi_1(0) + \Omega^{\Omega})$
1,3,6,3,6	$\psi(\psi_1(0) \cdot 2)$
1,3,6,3,6,3,6	$\psi(\psi_1(0) \cdot 3)$
1,3,6,4	$\psi(\psi_1(0) \cdot \omega)$
1,3,6,4,6	$\psi(\psi_1(0) \cdot \psi(0))$
1,3,6,4,6,8	$\psi(\psi_1(0) \cdot \psi(\Omega))$
1,3,6,4,6,8,10	$\psi(\psi_1(0) \cdot \psi(\Omega^{\Omega}))$
1,3,6,4,6,9	$\psi(\psi_1(0) \cdot \psi(\psi_1(0)))$
1,3,6,5	$\psi(\psi_1(0) \cdot \Omega)$
1,3,6,5,6	$\psi(\psi_1(0) \cdot \Omega^{\omega})$
1,3,6,5,6,8	$\psi(\psi_1(0) \cdot \Omega^{\psi(0)})$
1,3,6,5,7	$\psi(\psi_1(0) \cdot \Omega^{\Omega})$
1,3,6,5,8	$\psi(\psi_1(0)^2)$
1,3,6,5,8,7	$\psi(\psi_1(0)^{\Omega})$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,3,6,5,8,7,10	$\psi(\psi_1(0)^{\psi_1(0)})$
1,3,6,6	$\psi(\psi_1(1))$
1,3,6,6,6	$\psi(\psi_1(2))$
1,3,6,7	$\psi(\psi_1(\omega))$
1,3,6,7,9	$\psi(\psi_1(\psi(0)))$
1,3,6,7,9,12	$\psi(\psi_1(\psi(\psi_1(0))))$
1,3,6,8	$\psi(\psi_1(\Omega))$
1,3,6,8,6	$\psi(\psi_1(\Omega+1))$
1,3,6,8,6,7,9,12,14,12	$\psi(\psi_1(\Omega+\psi(\psi_1(\Omega))))$
1,3,6,8,6,8	$\psi(\psi_1(\Omega\cdot 2))$
1,3,6,8,7	$\psi(\psi_1(\Omega\cdot\omega))$
1,3,6,8,7,9	$\psi(\psi_1(\Omega\cdot\psi(0)))$
1,3,6,8,7,9,12	$\psi(\psi_1(\Omega\cdot\psi(\psi_1(0))))$
1,3,6,8,7,9,12,14	$\psi(\psi_1(\Omega\cdot\psi(\psi_1(\Omega))))$
1,3,6,8,8	$\psi(\psi_1(\Omega^2))$
1,3,6,8,8,7,9,12,14,14	$\psi(\psi_1(\Omega^2\cdot\psi(\psi_1(\Omega^2))))$
1,3,6,8,8,8	$\psi(\psi_1(\Omega^3))$
1,3,6,8,9	$\psi(\psi_1(\Omega^\omega))$
1,3,6,8,9,11	$\psi(\psi_1(\Omega^{\psi(0)}))$
1,3,6,8,9,11,14	$\psi(\psi_1(\Omega^{\psi(\psi_1(0))}))$
1,3,6,8,9,11,14,16	$\psi(\psi_1(\Omega^{\psi(\psi_1(\Omega))}))$
1,3,6,8,10	$\psi(\psi_1(\Omega^\Omega))$
1,3,6,8,10,8	$\psi(\psi_1(\Omega^{\Omega+1}))$
1,3,6,8,10,8,9, 11,14,16,18	$\psi(\psi_1(\Omega^{\Omega+\psi(\psi_1(\Omega^\Omega))}))$
1,3,6,8,10,8,10	$\psi(\psi_1(\Omega^{\Omega\cdot 2}))$
1,3,6,8,10,8,10,8,10	$\psi(\psi_1(\Omega^{\Omega\cdot 3}))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,3,6,8,10,9	$\psi(\psi_1(\Omega^{\Omega \cdot \omega}))$
1,3,6,8,10,9,11	$\psi(\psi_1(\Omega^{\Omega \cdot \psi(0)}))$
1,3,6,8,10,9,11,14	$\psi(\psi_1(\Omega^{\Omega \cdot \psi(\psi_1(0))}))$
1,3,6,8,10,9,11,14,16,18	$\psi(\psi_1(\Omega^{\Omega \cdot \psi(\psi_1(\Omega^\Omega))}))$
1,3,6,8,10,10	$\psi(\psi_1(\Omega^{\Omega^2}))$
1,3,6,8,10,10,9, 11,14,16,18,18	$\psi(\psi_1(\Omega^{\Omega^2 \cdot \psi(\psi_1(\Omega^{\Omega^2}))}))$
1,3,6,8,10,10,10	$\psi(\psi_1(\Omega^{\Omega^3}))$
1,3,6,8,10,11	$\psi(\psi_1(\Omega^{\Omega^\omega}))$
1,3,6,8,10,11,13,16	$\psi(\psi_1(\Omega^{\Omega^{\psi(\psi_1(0))}}))$
1,3,6,8,10,11, 13,16,18,20,21	$\psi(\psi_1(\Omega^{\Omega^{\psi(\psi_1(\Omega^{\Omega^\omega}))}}))$
1,3,6,8,10,12	$\psi(\psi_1(\Omega^{\Omega^\Omega}))$
1,3,6,8,10,12,14	$\psi(\psi_1(\Omega^{\Omega^{\Omega^\Omega}}))$
1,3,6,8,11	$\psi(\psi_1(\psi_1(0)))$
1,3,6,8,11,6	$\psi(\psi_1(\psi_1(0) + 1))$
1,3,6,8,11,6,8,11	$\psi(\psi_1(\psi_1(0) \cdot 2))$
1,3,6,8,11,7	$\psi(\psi_1(\psi_1(0) \cdot \omega))$
1,3,6,8,11,8	$\psi(\psi_1(\psi_1(0) \cdot \Omega))$
1,3,6,8,11,8,11	$\psi(\psi_1(\psi_1(0)^2))$
1,3,6,8,11,9	$\psi(\psi_1(\psi_1(0)^\omega))$
1,3,6,8,11,10	$\psi(\psi_1(\psi_1(0)^\Omega))$
1,3,6,8,11,11	$\psi(\psi_1(\psi_1(1)))$
1,3,6,8,11,12	$\psi(\psi_1(\psi_1(\omega)))$
1,3,6,8,11,13	$\psi(\psi_1(\psi_1(\Omega)))$
1,3,6,8,11,13,15	$\psi(\psi_1(\psi_1(\Omega^\Omega)))$
1,3,6,8,11,13,15,17	$\psi(\psi_1(\psi_1(\Omega^{\Omega^\Omega})))$
1,3,6,8,11,13,16	$\psi(\psi_1(\psi_1(\psi_1(0))))$



$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,3,6,9	$\psi(\Omega_2)$
1,3,6,9,3	$\psi(\Omega_2 + 1)$
1,3,6,9,3,4,6	$\psi(\Omega_2 + \psi(0))$
1,3,6,9,3,4,6,9	$\psi(\Omega_2 + \psi(\psi_1(0)))$
1,3,6,9,3,4,6,9,12	$\psi(\Omega_2 + \psi(\Omega_2))$
1,3,6,9,3,5	$\psi(\Omega_2 + \Omega)$
1,3,6,9,3,5, 3,4,6,9,12,6,8	$\psi(\Omega_2 + \Omega + \psi(\Omega_2 + \Omega))$
1,3,6,9,3,5,3,5	$\psi(\Omega_2 + \Omega \cdot 2)$
1,3,6,9,3,5,5	$\psi(\Omega_2 + \Omega^2)$
1,3,6,9,3,5,7	$\psi(\Omega_2 + \Omega^\Omega)$
1,3,6,9,3,6	$\psi(\Omega_2 + \psi_1(0))$
1,3,6,9,3,6,8	$\psi(\Omega_2 + \psi_1(\Omega))$
1,3,6,9,3,6,8,11	$\psi(\Omega_2 + \psi_1(\psi_1(0)))$
1,3,6,9,3,6,9	$\psi(\Omega_2 + \psi_1(\Omega_2))$
1,3,6,9,3,6,9,3,6,9	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot 2)$
1,3,6,9,4	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \omega)$
1,3,6,9,4,6,9	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi(\psi_1(0)))$
1,3,6,9,4,6,9,12	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi(\Omega_2))$
1,3,6,9,4,6,9,12,7	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi(\Omega_2 + \psi_1(\Omega_2)))$
1,3,6,9,5	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \Omega)$
1,3,6,9,5,6,8	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \Omega^{\psi(0)})$
1,3,6,9,5,7	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \Omega^\Omega)$
1,3,6,9,5,8	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi_1(0))$
1,3,6,9,5,8,9	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi_1(\omega))$
1,3,6,9,5,8,10	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi_1(\Omega))$
1,3,6,9,5,8,10,13	$\psi(\Omega_2 + \psi_1(\Omega_2) \cdot \psi_1(\psi_1(0)))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,3,6,9,5,8,11	$\psi(\Omega_2 + \psi_1(\Omega_2)^2)$
1,3,6,9,5,8,11,5,8,11	$\psi(\Omega_2 + \psi_1(\Omega_2)^3)$
1,3,6,9,5,8,11,6	$\psi(\Omega_2 + \psi_1(\Omega_2)^\omega)$
1,3,6,9,5,8,11, 6,8,11,14,8,11,14	$\psi(\Omega_2 + \psi_1(\Omega_2)^{\psi(\Omega_2 + \psi_1(\Omega_2))})$
1,3,6,9,5,8,11,7	$\psi(\Omega_2 + \psi_1(\Omega_2)^\Omega)$
1,3,6,9,5,8,11,7,10,13	$\psi(\Omega_2 + \psi_1(\Omega_2)^{\psi_1(\Omega_2)})$
1,3,6,9,6	$\psi(\Omega_2 + \psi_1(\Omega_2 + 1))$
1,3,6,9,6,6	$\psi(\Omega_2 + \psi_1(\Omega_2 + 2))$
1,3,6,9,6,7,9	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi(0)))$
1,3,6,9,6,7,9,12	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi(\psi_1(0))))$
1,3,6,9,6,7,9,12,15,12	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi(\Omega_2 + \psi_1(\Omega_2 + 1))))$
1,3,6,9,6,8	$\psi(\Omega_2 + \psi_1(\Omega_2 + \Omega))$
1,3,6,9,6,8,11	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(0)))$
1,3,6,9,6,8,11,14	$\psi(\Omega_2 + \psi_1(\Omega_2 + \psi_1(\Omega_2)))$
1,3,6,9,6,9	$\psi(\Omega_2 \cdot 2)$
1,3,6,9,6,9,6,9	$\psi(\Omega_2 \cdot 3)$
1,3,6,9,7	$\psi(\Omega_2 \cdot \omega)$
1,3,6,9,7,9	$\psi(\Omega_2 \cdot \psi(0))$
1,3,6,9,7,9,12	$\psi(\Omega_2 \cdot \psi(\psi_1(0)))$
1,3,6,9,7,9,12,15	$\psi(\Omega_2 \cdot \psi(\Omega_2))$
1,3,6,9,8	$\psi(\Omega_2 \cdot \Omega)$
1,3,6,9,8,9,11,14,17	$\psi(\Omega_2 \cdot \Omega^{\psi(\Omega_2)})$
1,3,6,9,8,10	$\psi(\Omega_2 \cdot \Omega^\Omega)$
1,3,6,9,8,10,13	$\psi(\Omega_2 \cdot \psi_1(0))$
1,3,6,9,8,10,13,16	$\psi(\Omega_2 \cdot \psi_1(\Omega_2))$
1,3,6,9,9	$\psi(\Omega_2^2)$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,3,6,9,10	$\psi(\Omega_2^\omega)$
1,3,6,9,10,12,15,18	$\psi(\Omega_2^{\psi(\Omega_2)})$
1,3,6,9,11	$\psi(\Omega_2^\Omega)$
1,3,6,9,11,14	$\psi(\Omega_2^{\psi_1(0)})$
1,3,6,9,11,14,17	$\psi(\Omega_2^{\psi_1(\Omega_2)})$
1,3,6,9,12	$\psi(\Omega_2^{\Omega_2})$
1,3,6,9,12,15	$\psi(\Omega_2^{\Omega_2^{\Omega_2}})$
1,3,6,10	$\psi(\psi_2(0))$
1,3,6,10,13,17	$\psi(\psi_2(\psi_2(0)))$
1,3,6,10,14	$\psi(\Omega_3)$
1,3,6,10,14,18	$\psi(\Omega_3^{\Omega_3})$
1,3,6,10,15	$\psi(\psi_3(0))$
1,3,6,10,15,20	$\psi(\Omega_4)$
1,3,6,10,15,21	$\psi(\psi_4(0))$
1,4	$\psi(\Omega_\omega)$
1,4,3	$\psi(\Omega_\omega + 1)$
1,4,3,4	$\psi(\Omega_\omega + \omega)$
1,4,3,4,6	$\psi(\Omega_\omega + \psi(0))$
1,4,3,4,6,9,12	$\psi(\Omega_\omega + \psi(\Omega_2))$
1,4,3,4,7	$\psi(\Omega_\omega + \psi(\Omega_\omega))$
1,4,3,4,7,6,7,10	$\psi(\Omega_\omega + \psi(\Omega_\omega + \psi(\Omega_\omega)))$
1,4,3,5	$\psi(\Omega_\omega + \Omega)$
1,4,3,5,3,5	$\psi(\Omega_\omega + \Omega \cdot 2)$
1,4,3,5,4	$\psi(\Omega_\omega + \Omega \cdot \omega)$
1,4,3,5,5	$\psi(\Omega_\omega + \Omega^2)$
1,4,3,5,6	$\psi(\Omega_\omega + \Omega^\omega)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,3,5,7	$\psi(\Omega_\omega + \Omega^\Omega)$
1,4,3,6	$\psi(\Omega_\omega + \psi_1(0))$
1,4,3,6,9	$\psi(\Omega_\omega + \psi_1(\Omega_2))$
1,4,3,6,9,12	$\psi(\Omega_\omega + \psi_1(\Omega_2^{\Omega_2}))$
1,4,3,6,10	$\psi(\Omega_\omega + \psi_1(\psi_2(0)))$
1,4,3,6,10,14	$\psi(\Omega_\omega + \psi_1(\Omega_3))$
1,4,3,6,10,15	$\psi(\Omega_\omega + \psi_1(\psi_3(0)))$
1,4,3,7	$\psi(\Omega_\omega + \psi_1(\Omega_\omega))$
1,4,3,7,4	$\psi(\Omega_\omega + \psi_1(\Omega_\omega) \cdot \omega)$
1,4,3,7,5	$\psi(\Omega_\omega + \psi_1(\Omega_\omega) \cdot \Omega)$
1,4,3,7,5,6,8,11	$\psi(\Omega_\omega + \psi_1(\Omega_\omega) \cdot \psi_1(0))$
1,4,3,7,5,6,8,11,15	$\psi(\Omega_\omega + \psi_1(\Omega_\omega) \cdot \psi_1(\psi_2(0)))$
1,4,3,7,5,6,9	$\psi(\Omega_\omega + \psi_1(\Omega_\omega)^2)$
1,4,3,7,5,7	$\psi(\Omega_\omega + \psi_1(\Omega_\omega)^{\psi_1(\Omega_\omega)})$
1,4,3,7,6	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + 1))$
1,4,3,7,6,7,9	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \psi(0)))$
1,4,3,7,6,7,10	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \psi(\Omega_\omega)))$
1,4,3,7,6,8	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \Omega))$
1,4,3,7,6,8,11	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \psi_1(0)))$
1,4,3,7,6,8,12	$\psi(\Omega_\omega + \psi_1(\Omega_\omega + \psi_1(\Omega_\omega)))$
1,4,3,7,6,9	$\psi(\Omega_\omega + \Omega_2)$
1,4,3,7,6,9,12	$\psi(\Omega_\omega + \Omega_2^{\Omega_2})$
1,4,3,7,6,10	$\psi(\Omega_\omega + \psi_2(0))$
1,4,3,7,6,10,12	$\psi(\Omega_\omega + \psi_2(\Omega))$
1,4,3,7,6,11	$\psi(\Omega_\omega + \psi_2(\Omega_\omega))$
1,4,3,7,6,11,10	$\psi(\Omega_\omega + \psi_2(\Omega_\omega + 1))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,3,7,6,11,10,14	$\psi(\Omega_\omega + \psi_2(\Omega_\omega + \psi_2(0)))$
1,4,3,7,6,11,10,15	$\psi(\Omega_\omega + \Omega_3)$
1,4,3,7,6,11,10,16	$\psi(\Omega_\omega + \psi_3(0))$
1,4,4	$\psi(\Omega_\omega \cdot 2)$
1,4,4,4	$\psi(\Omega_\omega \cdot 3)$
1,4,5	$\psi(\Omega_\omega \cdot \omega)$
1,4,5,4	$\psi(\Omega_\omega \cdot \omega + \Omega_\omega)$
1,4,5,5	$\psi(\Omega_\omega \cdot \omega^2)$
1,4,5,7	$\psi(\Omega_\omega \cdot \psi(0))$
1,4,5,8	$\psi(\Omega_\omega \cdot \psi(\Omega_\omega))$
1,4,5,8,9,12	$\psi(\Omega_\omega \cdot \psi(\Omega_\omega \cdot \psi(\Omega_\omega)))$
1,4,6	$\psi(\Omega_\omega \cdot \Omega)$
1,4,6,3	$\psi(\Omega_\omega \cdot \Omega + 1)$
1,4,6,3,4,7	$\psi(\Omega_\omega \cdot \Omega + \psi(\Omega_\omega))$
1,4,6,3,5	$\psi(\Omega_\omega \cdot \Omega + \Omega)$
1,4,6,3,6	$\psi(\Omega_\omega \cdot \Omega + \psi_1(0))$
1,4,6,3,6,10	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_2))$
1,4,6,3,7	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega))$
1,4,6,3,7,9	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega))$
1,4,6,3,7,9,5	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega)^{\psi_1(\Omega_\omega \cdot \Omega)})$
1,4,6,3,7,9,6	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + 1))$
1,4,6,3,7,9,6,7	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + \omega))$
1,4,6,3,7,9,6,8	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega))$
1,4,6,3,7,9,6,8,11	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + \psi_1(0)))$
1,4,6,3,7,9,6,8,12	$\psi(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega + \psi_1(\Omega_\omega \cdot \Omega)))$
1,4,6,3,7,9,6,9	$\psi(\Omega_\omega \cdot \Omega + \Omega_2)$

0-Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,3,7,9,6,9,3	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + 1)$
1,4,6,3,7,9,6,9,3,7	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega))$
1,4,6,3,7, 9,6,9,3,7,9	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega))$
1,4,6,3,7,9, 6,9,3,7,9,6,9	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2))$
1,4,6,3,7,9,6,9,6	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2 + 1))$
1,4,6,3,7,9,6,9,6,8	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2 + \Omega))$
1,4,6,3,7,9,6,9,6, 8,12,14,11,14,11,13	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega + \Omega_2 + 1))$
1,4,6,3,7,9,6,9,6,9	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot 2)$
1,4,6,3,7,9,6,9,7	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot \omega)$
1,4,6,3,7,9,6,9,7,9	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot \psi(0))$
1,4,6,3,7,9,6,9,7,10	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot \psi(\Omega_\omega))$
1,4,6,3,7,9,6,9,8	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot \Omega)$
1,4,6,3,7,9, 6,9,8,10,13	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot \psi_1(0))$
1,4,6,3,7,9,6,9,8,10,13, 15,12,16,18,15,18,17	$\psi(\Omega_\omega \cdot \Omega + \Omega_2 \cdot \psi_1(\Omega_\omega \cdot \Omega + \Omega_2 \cdot \Omega))$
1,4,6,3,7,9,6,9,9	$\psi(\Omega_\omega \cdot \Omega + \Omega_2^2)$
1,4,6,3,7,9,6,9,10	$\psi(\Omega_\omega \cdot \Omega + \Omega_2^\omega)$
1,4,6,3,7,9,6,9,12	$\psi(\Omega_\omega \cdot \Omega + \Omega_2^{\Omega_2})$
1,4,6,3,7,9,6,10	$\psi(\Omega_\omega \cdot \Omega + \psi_2(0))$
1,4,6,3,7,9,6,11	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega))$
1,4,6,3,7,9,6,11,13	$\psi(\Omega_\omega \cdot \Omega + \psi_2(\Omega_\omega \cdot \Omega))$
1,4,6,3,7,9, 6,11,13,10,14	$\psi(\Omega_\omega \cdot \Omega + \Omega_3)$
1,4,6,3,7,9, 6,11,13,10,15	$\psi(\Omega_\omega \cdot \Omega + \psi_3(0))$
1,4,6,3,7,9, 6,11,13,10,16	$\psi(\Omega_\omega \cdot \Omega + \psi_3(\Omega_\omega))$
1,4,6,3,7,9,7	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega)$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,3,7,9, 7,3,7,9,7	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega))$
1,4,6,3,7,9,7,6	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega + 1))$
1,4,6,3,7,9,7,6,8,12	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega)))$
1,4,6,3,7,9,7,6,9	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \Omega_2)$
1,4,6,3,7,9,6,9,12	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \Omega_2^{\Omega_2})$
1,4,6,3,7,9,7,6,10	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(0))$
1,4,6,3,7,9,7,6,11	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega))$
1,4,6,3,7,9, 7,6,11,13,11	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_2(\Omega_\omega \cdot \Omega + \Omega_\omega))$
1,4,6,3,7,9,7, 6,11,13,11,10,14	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \Omega_3)$
1,4,6,3,7,9,7, 6,11,13,11,10,15	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega + \psi_3(0))$
1,4,6,3,7,9,7,7	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega \cdot 2)$
1,4,6,3,7,9,7,8	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega \cdot \omega)$
1,4,6,3,7,9,7, 8,11,13,10,14,16,14	$\psi(\Omega_\omega \cdot \Omega + \Omega_\omega \cdot \psi(\Omega_\omega \cdot \Omega + \Omega_\omega))$
1,4,6,3,7,9,7,9	$\psi(\Omega_\omega \cdot \Omega \cdot 2)$
1,4,6,3,7,9,7,9,7,9	$\psi(\Omega_\omega \cdot \Omega \cdot 3)$
1,4,6,3,7,9,8	$\psi(\Omega_\omega \cdot \Omega \cdot \omega)$
1,4,6,3,7,9,8, 11,13,10,14,16	$\psi(\Omega_\omega \cdot \Omega \cdot \psi(\Omega_\omega \cdot \Omega))$
1,4,6,3,7,9,9	$\psi(\Omega_\omega \cdot \Omega^2)$
1,4,6,3,7,9,10	$\psi(\Omega_\omega \cdot \Omega^\omega)$
1,4,6,3,7,9,12	$\psi(\Omega_\omega \cdot \psi_1(0))$
1,4,6,3,7,9,12,12	$\psi(\Omega_\omega \cdot \psi_1(1))$
1,4,6,3,7,9,12,14	$\psi(\Omega_\omega \cdot \psi_1(\Omega))$
1,4,6,3,7,9,12,14,17	$\psi(\Omega_\omega \cdot \psi_1(\psi_1(0)))$
1,4,6,3,7,9,12,14,17,19	$\psi(\Omega_\omega \cdot \psi_1(\psi_1(\Omega)))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,3,7,9,12,15	$\psi(\Omega_\omega \cdot \psi_1(\Omega_2))$
1,4,6,3,7,9,12,16	$\psi(\Omega_\omega \cdot \psi_1(\psi_2(0)))$
1,4,6,3,7,9,12,16,20	$\psi(\Omega_\omega \cdot \psi_1(\Omega_3))$
1,4,6,3,7,9,13	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega))$
1,4,6,3,7,9,13,15	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega))$
1,4,6,3,7,9,13,15,13	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega + \Omega_\omega))$
1,4,6,3,7,9,13,15,13,15	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega \cdot 2))$
1,4,6,3,7,9,13,15,15	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega^2))$
1,4,6,3,7,9,13,15,17	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega^\Omega))$
1,4,6,3,7,9,13,15,18	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \psi_1(0)))$
1,4,6,3,7,9,13,15,19	$\psi(\Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \psi_1(\Omega_\omega)))$
1,4,6,3,7,10	$\psi(\Omega_\omega \cdot \Omega_2)$
1,4,6,3,7,10,3,7,10	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2))$
1,4,6,3,7,10,6	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2 + 1))$
1,4,6,3,7,10,6,8	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \Omega))$
1,4,6,3,7,10,6,8,11	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_1(\Omega_\omega \cdot \Omega_2 + \psi_1(0)))$
1,4,6,3,7,10,6,9	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_2)$
1,4,6,3,7,10,6,10	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_2(0))$
1,4,6,3,7,10,6,11	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_2(\Omega_\omega))$
1,4,6,3,7,10,6,11,14	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_2(\Omega_\omega \cdot \Omega_2))$
1,4,6,3,7,10, 6,11,14,10,14	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_3)$
1,4,6,3,7,10, 6,11,14,10,15	$\psi(\Omega_\omega \cdot \Omega_2 + \psi_3(0))$
1,4,6,3,7,10, 6,11,14,10,15,20	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_4)$
1,4,6,3,7,10,6,11,14,11	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega)$
1,4,6,3,7,10, 6,11,14,11,13	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot \Omega)$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,3,7,10, 6,11,14,11,13,16	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot \psi_1(0))$
1,4,6,3,7,10,6, 11,14,11,13,16,19	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot \psi_1(\Omega_2))$
1,4,6,3,7,10,6, 11,14,11,13,17	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot \psi_1(\Omega_\omega))$
1,4,6,3,7,10,6,11,14,11, 13,17,20,16,21,24,21	$\psi(\Omega_\omega \cdot \Omega_2 + \Omega_\omega \cdot \psi_1(\Omega_\omega \cdot \Omega_2 + \Omega_\omega))$
1,4,6,3,7,10, 6,11,14,11,14	$\psi(\Omega_\omega \cdot \Omega_2 \cdot 2)$
1,4,6,3,7,10,6,11,14,12	$\psi(\Omega_\omega \cdot \Omega_2 \cdot \omega)$
1,4,6,3,7,10,6,11,14,13	$\psi(\Omega_\omega \cdot \Omega_2 \cdot \Omega)$
1,4,6,3,7,10,6,11,14,14	$\psi(\Omega_\omega \cdot \Omega_2^2)$
1,4,6,3,7,10,6,11,14,15	$\psi(\Omega_\omega \cdot \Omega_2^\omega)$
1,4,6,3,7,10,6,11,14,16	$\psi(\Omega_\omega \cdot \Omega_2^\Omega)$
1,4,6,3,7,10,6,11,14,17	$\psi(\Omega_\omega \cdot \Omega_2^{\Omega_2})$
1,4,6,3,7,10,6,11,14,18	$\psi(\Omega_\omega \cdot \psi_2(0))$
1,4,6,3,7,10,6,11,14,19	$\psi(\Omega_\omega \cdot \psi_2(\Omega_\omega))$
1,4,6,3,7,10,6,11,15	$\psi(\Omega_\omega \cdot \Omega_3)$
1,4,6,3,7,10, 6,11,15,10,16,21	$\psi(\Omega_\omega \cdot \Omega_4)$
1,4,6,4	$\psi(\Omega_\omega^2)$
1,4,6,4,3	$\psi(\Omega_\omega^2 + 1)$
1,4,6,4,3,5	$\psi(\Omega_\omega^2 + \Omega)$
1,4,6,4,3,6	$\psi(\Omega_\omega^2 + \psi_1(0))$
1,4,6,4,3,7	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega))$
1,4,6,4,3,7,10,7	$\psi(\Omega_\omega^2 + \psi_1(\Omega_\omega^2))$
1,4,6,4,3,7,10,7,6,9	$\psi(\Omega_\omega^2 + \Omega_2)$
1,4,6,4,3,7, 10,7,6,9,13	$\psi(\Omega_\omega^2 + \psi_2(0))$
1,4,6,4,3,7,10,7,6,10	$\psi(\Omega_\omega^2 + \psi_2(\Omega_\omega))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,4,3,7,10,7,6,11	$\psi(\Omega_\omega^2 + \Omega_3)$
1,4,6,4,4	$\psi(\Omega_\omega^2 + \Omega_\omega)$
1,4,6,4,5	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \omega)$
1,4,6,4,6	$\psi(\Omega_\omega^2 + \Omega_\omega \cdot \Omega)$
1,4,6,4,6,4	$\psi(\Omega_\omega^2 \cdot 2)$
1,4,6,5	$\psi(\Omega_\omega^2 \cdot \omega)$
1,4,6,6	$\psi(\Omega_\omega^2 \cdot \Omega)$
1,4,6,6,4	$\psi(\Omega_\omega^3)$
1,4,6,6,6	$\psi(\Omega_\omega^3 \cdot \Omega)$
1,4,6,6,6,4	$\psi(\Omega_\omega^4)$
1,4,6,7	$\psi(\Omega_\omega^\omega)$
1,4,6,7,4	$\psi(\Omega_\omega^{\omega+1})$
1,4,6,7,10	$\psi(\Omega_\omega^{\psi(\Omega_\omega)})$
1,4,6,8	$\psi(\Omega_\omega^\Omega)$
1,4,6,8,4	$\psi(\Omega_\omega^{\Omega_\omega})$
1,4,6,8,8	$\psi(\Omega_\omega^{\Omega_\omega \cdot \Omega})$
1,4,6,8,8,4	$\psi(\Omega_\omega^{\Omega_\omega^2})$
1,4,6,8,9	$\psi(\Omega_\omega^{\Omega_\omega^\omega})$
1,4,6,8,10	$\psi(\Omega_\omega^{\Omega_\omega^\Omega})$
1,4,6,8,10,4	$\psi(\Omega_\omega^{\Omega_\omega^{\Omega_\omega}})$
1,4,6,9	$\psi(\psi_\omega(0))$
1,4,6,9,3	$\psi(\psi_\omega(0) + 1)$
1,4,6,9,4	$\psi(\psi_\omega(0) + \Omega_\omega)$
1,4,6,9,4,6	$\psi(\psi_\omega(0) + \Omega_\omega \cdot \Omega)$
1,4,6,9,4,6,4	$\psi(\psi_\omega(0) + \Omega_\omega^2)$
1,4,6,9,4,6,8	$\psi(\psi_\omega(0) + \Omega_\omega^\Omega)$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,9,4,6,8,4	$\psi(\psi_\omega(0) + \Omega_\omega^{\Omega_\omega})$
1,4,6,9,4,6,9	$\psi(\psi_\omega(0) \cdot 2)$
1,4,6,9,4,6,9,4,6,9	$\psi(\psi_\omega(0) \cdot 3)$
1,4,6,9,5	$\psi(\psi_\omega(0) \cdot \omega)$
1,4,6,9,5,8	$\psi(\psi_\omega(0) \cdot \psi(\Omega_\omega))$
1,4,6,9,5,8,10,13	$\psi(\psi_\omega(0) \cdot \psi(\psi_\omega(0)))$
1,4,6,9,6	$\psi(\psi_\omega(0) \cdot \Omega)$
1,4,6,9,6,4	$\psi(\psi_\omega(0) \cdot \Omega_\omega)$
1,4,6,9,6,8,4	$\psi(\psi_\omega(0) \cdot \Omega_\omega^{\Omega_\omega})$
1,4,6,9,6,9	$\psi(\psi_\omega(0)^2)$
1,4,6,9,7	$\psi(\psi_\omega(0)^\omega)$
1,4,6,9,8	$\psi(\psi_\omega(0)^\Omega)$
1,4,6,9,8,4	$\psi(\psi_\omega(0)^{\Omega_\omega})$
1,4,6,9,8,11	$\psi(\psi_\omega(0)^{\psi_\omega(0)})$
1,4,6,9,8,11,10,13	$\psi(\psi_\omega(0)^{\psi_\omega(0)^{\psi_\omega(0)}})$
1,4,6,9,9	$\psi(\psi_\omega(1))$
1,4,6,9,9,9	$\psi(\psi_\omega(2))$
1,4,6,9,10	$\psi(\psi_\omega(\omega))$
1,4,6,9,10,13	$\psi(\psi_\omega(\psi(\Omega_\omega)))$
1,4,6,9,10,13,15,18	$\psi(\psi_\omega(\psi(\psi_\omega(0))))$
1,4,6,9,11	$\psi(\psi_\omega(\Omega))$
1,4,6,9,11,4	$\psi(\psi_\omega(\Omega_\omega))$
1,4,6,9,11,4,4	$\psi(\psi_\omega(\Omega_\omega) + \Omega_\omega)$
1,4,6,9,11,4,6,9	$\psi(\psi_\omega(\Omega_\omega) + \psi_\omega(0))$
1,4,6,9,11,4,6,9,11,4	$\psi(\psi_\omega(\Omega_\omega) \cdot 2)$
1,4,6,9,11,5	$\psi(\psi_\omega(\Omega_\omega) \cdot \omega)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,9,11,6	$\psi(\psi_\omega(\Omega_\omega) \cdot \Omega)$
1,4,6,9,11,6,4	$\psi(\psi_\omega(\Omega_\omega) \cdot \Omega_\omega)$
1,4,6,9,11,6,8,4	$\psi(\psi_\omega(\Omega_\omega) \cdot \Omega_\omega^{\Omega_\omega})$
1,4,6,9,11,6,9	$\psi(\psi_\omega(\Omega_\omega) \cdot \psi_\omega(0))$
1,4,6,9,11,6,9,11	$\psi(\psi_\omega(\Omega_\omega) \cdot \psi_\omega(\Omega))$
1,4,6,9,11,6,9,11,4	$\psi(\psi_\omega(\Omega_\omega)^2)$
1,4,6,9,11,7	$\psi(\psi_\omega(\Omega_\omega)^\omega)$
1,4,6,9,11,8,4	$\psi(\psi_\omega(\Omega_\omega)^{\Omega_\omega})$
1,4,6,9,11,9	$\psi(\psi_\omega(\Omega_\omega)^{\psi_\omega(0)})$
1,4,6,9,11,9,11	$\psi(\psi_\omega(\Omega_\omega)^{\psi_\omega(\Omega)})$
1,4,6,9,11,10	$\psi(\psi_\omega(\Omega_\omega + 1))$
1,4,6,9,11,10,12	$\psi(\psi_\omega(\Omega_\omega + \psi(0)))$
1,4,6,9,11,10,13,15,18,20	$\psi(\psi_\omega(\Omega_\omega + \psi(\psi_\omega(\Omega))))$
1,4,6,9,11,11	$\psi(\psi_\omega(\Omega_\omega + \Omega))$
1,4,6,9,11,11,4	$\psi(\psi_\omega(\Omega_\omega \cdot 2))$
1,4,6,9,11,11,11	$\psi(\psi_\omega(\Omega_\omega \cdot 2 + \Omega))$
1,4,6,9,11,12	$\psi(\psi_\omega(\Omega_\omega \cdot \omega))$
1,4,6,9,11,12,14	$\psi(\psi_\omega(\Omega_\omega \cdot \psi(0)))$
1,4,6,9,11,12, 15,17,20,22,23	$\psi(\psi_\omega(\Omega_\omega \cdot \psi(\psi_\omega(\Omega_\omega \cdot \omega))))$
1,4,6,9,11,13	$\psi(\psi_\omega(\Omega_\omega \cdot \Omega))$
1,4,6,9,11,13,4	$\psi(\psi_\omega(\Omega_\omega^2))$
1,4,6,9,11,13,5	$\psi(\psi_\omega(\Omega_\omega^\omega))$
1,4,6,9,11,13,6	$\psi(\psi_\omega(\Omega_\omega^\Omega))$
1,4,6,9,11,14	$\psi(\psi_\omega(\psi_\omega(0)))$
1,4,6,9,12	$\psi(\Omega_{\omega+1})$
1,4,6,9,12,4	$\psi(\Omega_{\omega+1} + \Omega_\omega)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,9,12,4,6,9	$\psi(\Omega_{\omega+1} + \psi_{\omega}(0))$
1,4,6,9,12,4,6,9,12	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1}))$
1,4,6,9,12,5	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1}) \cdot \omega)$
1,4,6,9,12,6	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1}) \cdot \Omega)$
1,4,6,9,12,6,4	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1}) \cdot \Omega_{\omega})$
1,4,6,9,12,6,9	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1}) \cdot \psi_{\omega}(0))$
1,4,6,9,12,6,9,12	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1})^2)$
1,4,6,9,12,7	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega})^{\omega})$
1,4,6,9,12,8	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1})^{\Omega})$
1,4,6,9,12,8,4	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1})^{\Omega_{\omega}})$
1,4,6,9,12,8,11	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1})^{\psi_{\omega}(0)})$
1,4,6,9,12,8,11,14	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1})^{\psi_{\omega}(\Omega_{\omega+1})})$
1,4,6,9,12,9	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + 1))$
1,4,6,9,12,9,10	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \omega))$
1,4,6,9,12,9,11	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \Omega))$
1,4,6,9,12,9,11,4	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \Omega_{\omega}))$
1,4,6,9,12,9,11,14	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \psi_{\omega}(0)))$
1,4,6,9,12,9,11,14,17	$\psi(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1} + \psi_{\omega}(\Omega_{\omega+1})))$
1,4,6,9,12,9,12	$\psi(\Omega_{\omega+1} \cdot 2)$
1,4,6,9,12,10	$\psi(\Omega_{\omega+1} \cdot \omega)$
1,4,6,9,12,11	$\psi(\Omega_{\omega+1} \cdot \Omega)$
1,4,6,9,12,11,4	$\psi(\Omega_{\omega+1} \cdot \Omega_{\omega})$
1,4,6,9,12,11,14	$\psi(\Omega_{\omega+1} \cdot \psi_{\omega}(0))$
1,4,6,9,12,11,14,17	$\psi(\Omega_{\omega+1} \cdot \psi_{\omega}(\Omega_{\omega+1}))$
1,4,6,9,12,12	$\psi(\Omega_{\omega+1}^2)$
1,4,6,9,12,13	$\psi(\Omega_{\omega+1}^{\omega})$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,9,12,14	$\psi(\Omega_{\omega+1}^\Omega)$
1,4,6,9,12,14,4	$\psi(\Omega_{\omega+1}^{\Omega_\omega})$
1,4,6,9,12,14,17	$\psi(\Omega_{\omega+1}^{\psi_\omega(0)})$
1,4,6,9,12,14,17,20	$\psi(\Omega_{\omega+1}^{\psi_\omega(\Omega_{\omega+1})})$
1,4,6,9,12,15	$\psi(\Omega_{\omega+1}^{\Omega_{\omega+1}})$
1,4,6,9,12,15,18	$\psi(\Omega_{\omega+1}^{\Omega_{\omega+1}^{\Omega_{\omega+1}}})$
1,4,6,9,13	$\psi(\psi_{\omega+1}(0))$
1,4,6,9,13,4,6,9,13	$\psi(\psi_{\omega+1}(0) + \psi_\omega(\psi_{\omega+1}(0)))$
1,4,6,9,13,6	$\psi(\psi_{\omega+1}(0) + \psi_\omega(\psi_{\omega+1}(0) + 1))$
1,4,6,9,13,9	$\psi(\psi_{\omega+1}(0) + \Omega_{\omega+1})$
1,4,6,9,13,9,12,15	$\psi(\psi_{\omega+1}(0) + \Omega_{\omega+1}^{\Omega_{\omega+1}})$
1,4,6,9,13,9,13	$\psi(\psi_{\omega+1}(0) \cdot 2)$
1,4,6,9,13,10	$\psi(\psi_{\omega+1}(0) \cdot \omega)$
1,4,6,9,13,11	$\psi(\psi_{\omega+1}(0) \cdot \Omega)$
1,4,6,9,13,12	$\psi(\psi_{\omega+1}(0)^\omega)$
1,4,6,9,13,13	$\psi(\psi_{\omega+1}(1))$
1,4,6,9,13,14	$\psi(\psi_{\omega+1}(\omega))$
1,4,6,9,13,15	$\psi(\psi_{\omega+1}(\Omega))$
1,4,6,9,13,15,4	$\psi(\psi_{\omega+1}(\Omega_\omega))$
1,4,6,9,13,15,18	$\psi(\psi_{\omega+1}(\psi_\omega(0)))$
1,4,6,9,13,15,18,21	$\psi(\psi_{\omega+1}(\psi_\omega(\Omega_{\omega+1})))$
1,4,6,9,13,15,18,22	$\psi(\psi_{\omega+1}(\psi_\omega(\psi_{\omega+1}(0))))$
1,4,6,9,13,16	$\psi(\psi_{\omega+1}(\Omega_{\omega+1}))$
1,4,6,9,13,16,19	$\psi(\psi_{\omega+1}(\psi_{\omega+1}(0)))$
1,4,6,9,13,16,19,22	$\psi(\psi_{\omega+1}(\psi_{\omega+1}(\Omega_{\omega+1})))$
1,4,6,9,13,16,19,22,25	$\psi(\psi_{\omega+1}(\psi_{\omega+1}(\psi_{\omega+1}(0))))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,9,13,17	$\psi(\Omega_{\omega+2})$
1,4,6,9,13,18	$\psi(\psi_{\omega+2}(0))$
1,4,6,9,13,18,23	$\psi(\Omega_{\omega+3})$
1,4,6,9,13,18,24	$\psi(\psi_{\omega+3}(0))$
1,4,6,10	$\psi(\Omega_{\omega \cdot 2})$
1,4,6,10,4	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega})$
1,4,6,10,4,6,9	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(0))$
1,4,6,10,4,6,10	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}))$
1,4,6,10,5	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}) \cdot \omega)$
1,4,6,10,6	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}) \cdot \Omega)$
1,4,6,10,6,4	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}) \cdot \Omega_{\omega})$
1,4,6,10,6,9	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2}) \cdot \psi_{\omega}(0))$
1,4,6,10,6,10	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})^2)$
1,4,6,10,7	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})^{\omega})$
1,4,6,10,8	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})^{\Omega})$
1,4,6,10,8,11	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})^{\psi_{\omega}(0)})$
1,4,6,10,8,12	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2})^{\psi_{\omega}(\Omega_{\omega \cdot 2})})$
1,4,6,10,9	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + 1))$
1,4,6,10,9,10	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \omega))$
1,4,6,10,9,11	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \Omega))$
1,4,6,10,9,11,14,13	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + \psi_{\omega}(\Omega_{\omega \cdot 2} + 1)))$
1,4,6,10,9,12	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1})$
1,4,6,10,9,12,9,12	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1} \cdot 2)$
1,4,6,10,9,12,11	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1} \cdot \Omega)$
1,4,6,10,9,12,11,4	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1} \cdot \Omega_{\omega})$
1,4,6,10,9,12,12	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1}^2)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,10,9,12,13	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1}^\omega)$
1,4,6,10,9,12,15	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+1}^{\Omega_{\omega+1}})$
1,4,6,10,9,13	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+1}(0))$
1,4,6,10,9,14	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+1}(\Omega_{\omega \cdot 2}))$
1,4,6,10,9,14,13,17	$\psi(\Omega_{\omega \cdot 2} + \Omega_{\omega+2})$
1,4,6,10,9,14,13,18	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+2}(0))$
1,4,6,10,9,14,13,19	$\psi(\Omega_{\omega \cdot 2} + \psi_{\omega+2}(\Omega_{\omega \cdot 2}))$
1,4,6,10,10	$\psi(\Omega_{\omega \cdot 2} \cdot 2)$
1,4,6,10,12	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega)$
1,4,6,10,12,4	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega)$
1,4,6,10,12,4,6,10,12	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \psi_\omega(\Omega_{\omega \cdot 2} \cdot \Omega_\omega))$
1,4,6,10,12,6,10,12	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \psi_\omega(\Omega_{\omega \cdot 2} \cdot \Omega_\omega)^2)$
1,4,6,10,12,9	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \psi_\omega(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + 1))$
1,4,6,10,12,9,11,15,17	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \psi_\omega(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \psi_\omega(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + 1)))$
1,4,6,10,12,9,12	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \Omega_{\omega+1})$
1,4,6,10,12,9,13	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \psi_{\omega+1}(0))$
1,4,6,10,12,9,14	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \psi_{\omega+1}(\Omega_{\omega \cdot 2} \cdot \Omega_\omega))$
1,4,6,10,12,9,14,13,17	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \Omega_{\omega+2})$
1,4,6,10,12,9,14,13,19	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \psi_{\omega+2}(\Omega_{\omega \cdot 2} \cdot \Omega_\omega))$
1,4,6,10,12,10	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \Omega_{\omega \cdot 2})$
1,4,6,10,12,10,12	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega + \Omega_{\omega \cdot 2} \cdot \Omega)$
1,4,6,10,12,10,12,4	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega \cdot 2)$
1,4,6,10,12,11	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega \cdot \omega)$
1,4,6,10,12,12	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega \cdot \Omega)$
1,4,6,10,12,12,4	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega^2)$
1,4,6,10,12,14,4	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_\omega^{\Omega_\omega})$



$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,10,12,15	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega}(0))$
1,4,6,10,12,16	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega}(\Omega_{\omega \cdot 2}))$
1,4,6,10,12,16,18,22	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega}(\Omega_{\omega \cdot 2} \cdot \psi_{\omega}(\Omega_{\omega \cdot 2})))$
1,4,6,10,13	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1})$
1,4,6,10,13,9,12	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \Omega_{\omega+1})$
1,4,6,10,13,9,13	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \psi_{\omega+1}(0))$
1,4,6,10,13,9,14,17	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \psi_{\omega+1}(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1}))$
1,4,6,10,13,9,14,17,13,17	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \Omega_{\omega+2})$
1,4,6,10,13,9,14,17,14	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} + \Omega_{\omega \cdot 2})$
1,4,6,10,13,9,14,17,14,17	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} \cdot 2)$
1,4,6,10,13,9,14,17,15	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} \cdot \omega)$
1,4,6,10,13,9,14,17,16,4	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1} \cdot \Omega_{\omega})$
1,4,6,10,13,9,14,17,17	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1}^2)$
1,4,6,10,13,9,14,17,19	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+1}^{\Omega})$
1,4,6,10,13,9,14,17,21	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega+1}(0))$
1,4,6,10,13,9,14,17,22	$\psi(\Omega_{\omega \cdot 2} \cdot \psi_{\omega+1}(\Omega_{\omega \cdot 2}))$
1,4,6,10,13,9,14,18	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+2})$
1,4,6,10,13,9, 14,18,13,19,24	$\psi(\Omega_{\omega \cdot 2} \cdot \Omega_{\omega+3})$
1,4,6,10,13,10	$\psi(\Omega_{\omega \cdot 2}^2)$
1,4,6,10,13,11,10,13,11	$\psi(\Omega_{\omega \cdot 2}^{\omega \cdot 2})$
1,4,6,10,13,12	$\psi(\Omega_{\omega \cdot 2}^{\Omega})$
1,4,6,10,13,12,4	$\psi(\Omega_{\omega \cdot 2}^{\Omega_{\omega}})$
1,4,6,10,13,13,10	$\psi(\Omega_{\omega \cdot 2}^{\Omega_{\omega \cdot 2}})$
1,4,6,10,13,17	$\psi(\psi_{\omega \cdot 2}(0))$
1,4,6,10,13,17,17	$\psi(\psi_{\omega \cdot 2}(1))$
1,4,6,10,13,17,19	$\psi(\psi_{\omega \cdot 2}(\Omega))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,6,10,13,17,19,4	$\psi(\psi_{\omega \cdot 2}(\Omega_\omega))$
1,4,6,10,13,17,20,10	$\psi(\psi_{\omega \cdot 2}(\Omega_{\omega \cdot 2}))$
1,4,6,10,13,17,20,23	$\psi(\psi_{\omega \cdot 2}(\psi_{\omega \cdot 2}(0)))$
1,4,6,10,13,17,21	$\psi(\Omega_{\omega \cdot 2+1})$
1,4,6,10,13,17,22	$\psi(\psi_{\omega \cdot 2+1}(0))$
1,4,6,10,13,18	$\psi(\Omega_{\omega \cdot 3})$
1,4,6,10,13,18,18	$\psi(\Omega_{\omega \cdot 3} \cdot 2)$
1,4,6,10,13,18,20	$\psi(\Omega_{\omega \cdot 3} \cdot \Omega)$
1,4,6,10,13,18,20,4	$\psi(\Omega_{\omega \cdot 3} \cdot \Omega_\omega)$
1,4,6,10,13,18,21,10	$\psi(\Omega_{\omega \cdot 3} \cdot \Omega_{\omega \cdot 2})$
1,4,6,10,13,18,22,18	$\psi(\Omega_{\omega \cdot 3}^2)$
1,4,6,10,13,18,22,27	$\psi(\psi_{\omega \cdot 3}(0))$
1,4,6,10,13,18,22,28	$\psi(\Omega_{\omega \cdot 4})$
1,4,7	$\psi(\Omega_{\omega^2})$
1,4,7,4	$\psi(\Omega_{\omega^2} + \Omega_\omega)$
1,4,7,4,6,9	$\psi(\Omega_{\omega^2} + \psi_\omega(0))$
1,4,7,4,6,10	$\psi(\Omega_{\omega^2} + \psi_\omega(\Omega_{\omega \cdot 2}))$
1,4,7,4,6,10,14	$\psi(\Omega_{\omega^2} + \psi_\omega(\Omega_{\omega^2}))$
1,4,7,4,6,10,14,9,12	$\psi(\Omega_{\omega^2} + \Omega_{\omega+1})$
1,4,7,4,6,10,14,10	$\psi(\Omega_{\omega^2} + \Omega_{\omega \cdot 2})$
1,4,7,4,6,10, 14,10,9,14,19,14	$\psi(\Omega_{\omega^2} + \Omega_{\omega \cdot 3})$
1,4,7,4,7	$\psi(\Omega_{\omega^2} \cdot 2)$
1,4,7,5	$\psi(\Omega_{\omega^2} \cdot \omega)$
1,4,7,6	$\psi(\Omega_{\omega^2} \cdot \Omega)$
1,4,7,6,4	$\psi(\Omega_{\omega^2} \cdot \Omega_\omega)$
1,4,7,6,4,6,9	$\psi(\Omega_{\omega^2} \cdot \psi_\omega(0))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,6,4,6,10	$\psi(\Omega_{\omega^2} \cdot \psi_{\omega}(\Omega_{\omega \cdot 2}))$
1,4,7,6,4,6,10,14	$\psi(\Omega_{\omega^2} \cdot \psi_{\omega}(\Omega_{\omega^2}))$
1,4,7,6,4,6,10,14,9,12	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega+1})$
1,4,7,6,4,6,10,14,13,10	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega \cdot 2})$
1,4,7,6,4,6,10,14, 13,10,13,18,23,22,18	$\psi(\Omega_{\omega^2} \cdot \Omega_{\omega \cdot 3})$
1,4,7,6,4,7	$\psi(\Omega_{\omega^2}^2)$
1,4,7,6,5	$\psi(\Omega_{\omega^2}^2 \cdot \omega)$
1,4,7,6,6	$\psi(\Omega_{\omega^2}^2 \cdot \Omega)$
1,4,7,6,6,4	$\psi(\Omega_{\omega^2}^2 \cdot \Omega_{\omega})$
1,4,7,6,6,4,7	$\psi(\Omega_{\omega^2}^3)$
1,4,7,6,7	$\psi(\Omega_{\omega^2}^{\omega})$
1,4,7,6,8	$\psi(\Omega_{\omega^2}^{\Omega})$
1,4,7,6,8,4,7	$\psi(\Omega_{\omega^2}^{\Omega_{\omega^2}})$
1,4,7,6,9	$\psi(\psi_{\omega^2}(0))$
1,4,7,6,9,9	$\psi(\psi_{\omega^2}(1))$
1,4,7,6,9,11	$\psi(\psi_{\omega^2}(\Omega))$
1,4,7,6,9,11,4,7	$\psi(\psi_{\omega^2}(\Omega_{\omega^2}))$
1,4,7,6,9,11,14	$\psi(\psi_{\omega^2}(\psi_{\omega^2}(0)))$
1,4,7,6,9,12	$\psi(\Omega_{\omega^2+1})$
1,4,7,6,9,13	$\psi(\psi_{\omega^2+1}(0))$
1,4,7,6,10	$\psi(\Omega_{\omega^2+\omega})$
1,4,7,6,10,14	$\psi(\Omega_{\omega^2 \cdot 2})$
1,4,7,7	$\psi(\Omega_{\omega^3})$
1,4,7,8	$\psi(\Omega_{\omega^{\omega}})$
1,4,7,8,7	$\psi(\Omega_{\omega^{\omega+1}})$
1,4,7,8,8	$\psi(\Omega_{\omega^{\omega \cdot 2}})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,8,9	$\psi(\Omega_{\omega^2})$
1,4,7,8,10	$\psi(\Omega_{\psi(0)})$
1,4,7,8,10,10	$\psi(\Omega_{\psi(1)})$
1,4,7,8,10,11	$\psi(\Omega_{\psi(\omega)})$
1,4,7,8,10,12	$\psi(\Omega_{\psi(\Omega)})$
1,4,7,8,10,12,14	$\psi(\Omega_{\psi(\Omega^\Omega)})$
1,4,7,8,10,13	$\psi(\Omega_{\psi(\psi_1(0))})$
1,4,7,8,10,13,17	$\psi(\Omega_{\psi(\psi_2(0))})$
1,4,7,8,11	$\psi(\Omega_{\psi(\Omega_\omega)})$
1,4,7,8,11,14	$\psi(\Omega_{\psi(\Omega_{\omega^2})})$
1,4,7,8,11,14,15,18,21	$\psi(\Omega_{\psi(\Omega_{\psi(\Omega_{\omega^2})})})$
1,4,7,9	$\psi(\Omega_\Omega)$
1,4,7,9,3	$\psi(\Omega_\Omega + 1)$
1,4,7,9,3,6	$\psi(\Omega_\Omega + \psi_1(0))$
1,4,7,9,3,7	$\psi(\Omega_\Omega + \psi_1(\Omega_\omega))$
1,4,7,9,3,7,11,13	$\psi(\Omega_\Omega + \psi_1(\Omega_\Omega))$
1,4,7,9,3,7,11,13,6	$\psi(\Omega_\Omega + \psi_1(\Omega_\Omega + 1))$
1,4,7,9,3,7,11, 13,6,8,12,16,18	$\psi(\Omega_\Omega + \psi_1(\Omega_\Omega + \psi_1(\Omega_\Omega)))$
1,4,7,9,3,7,11,13,6,9	$\psi(\Omega_\Omega + \Omega_2)$
1,4,7,9,3,7,11,13,7	$\psi(\Omega_\Omega + \Omega_\omega)$
1,4,7,9,3,7,11,13,7,7	$\psi(\Omega_\Omega + \Omega_\omega \cdot 2)$
1,4,7,9,3,7, 11,13,7,10,7	$\psi(\Omega_\Omega + \Omega_\omega^2)$
1,4,7,9,3,7, 11,13,7,10,14	$\psi(\Omega_\Omega + \psi_\omega(0))$
1,4,7,9,3,7,11, 13,7,10,15,20,22	$\psi(\Omega_\Omega + \psi_\omega(\Omega_\Omega))$
1,4,7,9,3,7,11,13, 7,10,15,20,22,14,18	$\psi(\Omega_\Omega + \Omega_{\omega+1})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,3,7,11,13, 7,10,15,20,22,15	$\psi(\Omega_\Omega + \Omega_{\omega \cdot 2})$
1,4,7,9,3,7,11,13,7,11	$\psi(\Omega_\Omega + \Omega_{\omega^2})$
1,4,7,9,3,7, 11,13,7,11,7,11	$\psi(\Omega_\Omega + \Omega_{\omega^2} \cdot 2)$
1,4,7,9,3,7, 11,13,7,11,10,7	$\psi(\Omega_\Omega + \Omega_{\omega^2}^2)$
1,4,7,9,3,7, 11,13,7,11,10,14	$\psi(\Omega_\Omega + \psi_{\omega^2}(0))$
1,4,7,9,3,7, 11,13,7,11,11	$\psi(\Omega_\Omega + \Omega_{\omega^3})$
1,4,7,9,3,7, 11,13,7,11,12	$\psi(\Omega_\Omega + \Omega_{\omega^\omega})$
1,4,7,9,3,7, 11,13,7,11,12,15	$\psi(\Omega_\Omega + \Omega_{\psi(\Omega_\omega)})$
1,4,7,9,3,7,11,13,7,11,12, 15,18,20,14,18,22,24,18,22	$\psi(\Omega_\Omega + \Omega_{\psi(\Omega_\Omega + \Omega_2)})$
1,4,7,9,3,7, 11,13,7,11,13	$\psi(\Omega_\Omega \cdot 2)$
1,4,7,9,3,7,11,13,8	$\psi(\Omega_\Omega \cdot \omega)$
1,4,7,9,3,7,11,13,9	$\psi(\Omega_\Omega \cdot \Omega)$
1,4,7,9,3,7,11,13,10,7	$\psi(\Omega_\Omega \cdot \Omega_\omega)$
1,4,7,9,3,7, 11,13,10,7,11	$\psi(\Omega_\Omega \cdot \Omega_{\omega^2})$
1,4,7,9,3,7, 11,13,10,7,11,13	$\psi(\Omega_\Omega^2)$
1,4,7,9,3,7,11,13,10,8	$\psi(\Omega_\Omega^\omega)$
1,4,7,9,3,7, 11,13,10,12,7	$\psi(\Omega_\Omega^{\Omega_\omega})$
1,4,7,9,3,7,11, 13,10,13,7,11,13	$\psi(\Omega_\Omega^{\Omega_\Omega})$
1,4,7,9,3,7,11,13,10,14	$\psi(\psi_\Omega(0))$
1,4,7,9,3,7, 11,13,10,14,14	$\psi(\psi_\Omega(1))$
1,4,7,9,3,7, 11,13,10,14,15	$\psi(\psi_\Omega(\omega))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,3,7, 11,13,10,14,16	$\psi(\psi_\Omega(\Omega))$
1,4,7,9,3,7, 11,13,10,14,17	$\psi(\psi_\Omega(\Omega_2))$
1,4,7,9,3,7,11, 13,10,14,17,7,11,13	$\psi(\psi_\Omega(\Omega_\Omega))$
1,4,7,9,3,7,11, 13,10,14,17,21	$\psi(\psi_\Omega(\psi_\Omega(0)))$
1,4,7,9,3,7, 11,13,10,14,18	$\psi(\Omega_{\Omega+1})$
1,4,7,9,3,7,11,13,10,15	$\psi(\Omega_{\Omega+\omega})$
1,4,7,9,3,7, 11,13,10,15,19,25	$\psi(\Omega_{\Omega+\omega \cdot 2})$
1,4,7,9,3,7, 11,13,10,15,20	$\psi(\Omega_{\Omega+\omega^2})$
1,4,7,9,3,7,11, 13,10,15,20,21,23	$\psi(\Omega_{\Omega+\psi(0)})$
1,4,7,9,3,7,11, 13,10,15,20,21,24	$\psi(\Omega_{\Omega+\psi(\Omega_\omega)})$
1,4,7,9,3,7,11, 13,10,15,20,21,24,27,29	$\psi(\Omega_{\Omega+\psi(\Omega_\Omega)})$
1,4,7,9,3,7,11, 13,10,15,20,22	$\psi(\Omega_{\Omega \cdot 2})$
1,4,7,9,3,7,11, 13,10,15,20,22,7,11,13	$\psi(\Omega_{\Omega \cdot 2} + \Omega_\Omega)$
1,4,7,9,3,7,11,13,10,15, 20,22,7,11,13,10,14	$\psi(\Omega_{\Omega \cdot 2} + \psi_\Omega(0))$
1,4,7,9,3,7,11,13,10,15, 20,22,7,11,13,10,15,20,22	$\psi(\Omega_{\Omega \cdot 2} + \psi_\Omega(\Omega_{\Omega \cdot 2}))$
1,4,7,9,3,7,11,13, 10,15,20,22,9	$\psi(\Omega_{\Omega \cdot 2} + \psi_\Omega(\Omega_{\Omega \cdot 2}) \cdot \Omega)$
1,4,7,9,3,7,11,13,10, 15,20,22,10,7,11,13	$\psi(\Omega_{\Omega \cdot 2} + \psi_\Omega(\Omega_{\Omega \cdot 2}) \cdot \Omega_\Omega)$
1,4,7,9,3,7,11,13,10, 15,20,22,10,15,20,22	$\psi(\Omega_{\Omega \cdot 2} + \psi_\Omega(\Omega_{\Omega \cdot 2})^2)$
1,4,7,9,3,7,11,13, 10,15,20,22,14	$\psi(\Omega_{\Omega \cdot 2} + \psi_\Omega(\Omega_{\Omega \cdot 2} + 1))$
1,4,7,9,3,7,11,13, 10,15,20,22,14,18	$\psi(\Omega_{\Omega \cdot 2} + \Omega_{\Omega+1})$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,3,7,11,13, 10,15,20,22,15,20,22	$\psi(\Omega_{\Omega \cdot 2} \cdot 2)$
1,4,7,9,3,7,11,13, 10,15,20,22,18	$\psi(\Omega_{\Omega \cdot 2} \cdot \Omega_2)$
1,4,7,9,3,7,11,13,10,15, 20,22,19,15,20,22	$\psi(\Omega_{\Omega \cdot 2}^2)$
1,4,7,9,3,7,11,13,10,15, 20,22,19,23,15,20,22	$\psi(\Omega_{\Omega \cdot 2}^{\Omega_{\Omega \cdot 2}})$
1,4,7,9,3,7,11,13, 10,15,20,22,19,24	$\psi(\psi_{\Omega \cdot 2}(0))$
1,4,7,9,3,7,11,13,10, 15,20,22,19,24,29	$\psi(\Omega_{\Omega \cdot 2+1})$
1,4,7,9,3,7,11,13, 10,15,20,22,19,25	$\psi(\Omega_{\Omega \cdot 2+\omega})$
1,4,7,9,3,7,11,13,10, 15,20,22,19,25,31,33	$\psi(\Omega_{\Omega \cdot 3})$
1,4,7,9,3,7,11,13,11	$\psi(\Omega_{\Omega \cdot \omega})$
1,4,7,9,3,7,11,13,11,11	$\psi(\Omega_{\Omega \cdot \omega^2})$
1,4,7,9,3,7,11,13,11,13	$\psi(\Omega_{\Omega^2})$
1,4,7,9,3,7,11,13,13	$\psi(\Omega_{\Omega^\Omega})$
1,4,7,9,3,7,11,13, 13,10,13,7,11,13,13	$\psi(\Omega_{\Omega^\Omega}^{\Omega_{\Omega^\Omega}})$
1,4,7,9,3,7,11,13,15	$\psi(\Omega_{\Omega_{\Omega^\Omega}})$
1,4,7,9,3,7,11,13,16	$\psi(\Omega_{\psi_1(0)})$
1,4,7,9,3,7,11,13,16,19	$\psi(\Omega_{\psi_1(\Omega_2)})$
1,4,7,9,3,7,11,13,17	$\psi(\Omega_{\psi_1(\Omega_\omega)})$
1,4,7,9,3,7, 11,13,17,21,23	$\psi(\Omega_{\psi_1(\Omega_\Omega)})$
1,4,7,9,3,7,11, 13,17,21,23,26	$\psi(\Omega_{\psi_1(\Omega_{\psi_1(0)})})$
1,4,7,9,3,7,11,14	$\psi(\Omega_{\Omega_2})$
1,4,7,9,3,7,11,14, 6,11,16,19,15,20,25	$\psi(\Omega_{\Omega_2+1})$
1,4,7,9,3,7,11, 14,6,11,16,19,19	$\psi(\Omega_{\Omega_2^{\Omega_2}})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,3,7,11, 14,6,11,16,19,23	$\psi(\Omega_{\psi_2(0)})$
1,4,7,9,3,7,11, 14,6,11,16,20	$\psi(\Omega_{\Omega_3})$
1,4,7,9,4	$\psi(\Omega_{\Omega_\omega})$
1,4,7,9,4,4	$\psi(\Omega_{\Omega_\omega} + \Omega_\omega)$
1,4,7,9,4,6,9	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(0))$
1,4,7,9,4,6,10,14,16	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(\Omega_\Omega))$
1,4,7,9,4,6,10,14,16,4	$\psi(\Omega_{\Omega_\omega} + \psi_\omega(\Omega_{\Omega_\omega}))$
1,4,7,9,4,6, 10,14,16,9,12	$\psi(\Omega_{\Omega_\omega} + \Omega_{\omega+1})$
1,4,7,9,4,6,10,14,16,10	$\psi(\Omega_{\Omega_\omega} + \Omega_{\omega \cdot 2})$
1,4,7,9,4,6, 10,14,16,10,14,16	$\psi(\Omega_{\Omega_\omega} + \Omega_\Omega)$
1,4,7,9,4,6, 10,14,16,10,14,16,4	$\psi(\Omega_{\Omega_\omega} \cdot 2)$
1,4,7,9,4,6,10,14,16,11	$\psi(\Omega_{\Omega_\omega} \cdot \omega)$
1,4,7,9,4,6,10,14,16,12	$\psi(\Omega_{\Omega_\omega} \cdot \Omega)$
1,4,7,9,4,6, 10,13,15,12,4	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_\omega)$
1,4,7,9,4,6, 10,14,16,12,15	$\psi(\Omega_{\Omega_\omega} \cdot \psi_\omega(0))$
1,4,7,9,4,6,10,14,16,13	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_{\omega+1})$
1,4,7,9,4,6,10, 14,16,13,10,14,16	$\psi(\Omega_{\Omega_\omega} \cdot \Omega_\Omega)$
1,4,7,9,4,6,10, 14,16,13,10,14,16,4	$\psi(\Omega_{\Omega_\omega}^2)$
1,4,7,9,4,6, 10,14,16,13,12	$\psi(\Omega_{\Omega_\omega}^\Omega)$
1,4,7,9,4,6, 10,14,16,13,17	$\psi(\psi_{\Omega_\omega}(0))$
1,4,7,9,4,6,10, 14,16,13,18,23,26	$\psi(\Omega_{\Omega_\omega+1})$
1,4,7,9,4,6,10, 14,16,14,16,4	$\psi(\Omega_{\Omega_\omega^2})$



$0 - Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,4,6, 10,14,16,16,4	$\psi(\Omega_{\Omega_{\omega}^{\Omega_{\omega}}})$
1,4,7,9,4,6,10,14,16,19	$\psi(\Omega_{\psi_{\omega}(0)})$
1,4,7,9,4,6,10,14,17	$\psi(\Omega_{\Omega_{\omega+1}})$
1,4,7,9,4,7	$\psi(\Omega_{\Omega_{\omega^2}})$
1,4,7,9,4,7,8,10	$\psi(\Omega_{\Omega_{\psi(0)}})$
1,4,7,9,4,7,8,11	$\psi(\Omega_{\Omega_{\psi(\Omega_{\omega})}})$
1,4,7,9,4,7,8,11,14,16	$\psi(\Omega_{\Omega_{\psi(\Omega_{\Omega})}})$
1,4,7,9,4,7,9	$\psi(\Omega_{\Omega_{\Omega}})$
1,4,7,9,4,7,9,4,7,9	$\psi(\Omega_{\Omega_{\Omega_{\Omega}}})$
1,4,7,9,5	$\psi(\psi_I(0))$
1,4,7,9,5,3	$\psi(\psi_I(0) + 1)$
1,4,7,9,5,3, 4,7,10,12,8	$\psi(\psi_I(0) + \psi(\psi_I(0)))$
1,4,7,9,5,3,5	$\psi(\psi_I(0) + \Omega)$
1,4,7,9,5,4,6,9	$\psi(\psi_I(0) + \psi_{\Omega_{\omega+1}}(0))$
1,4,7,9,5,4,6,9,12	$\psi(\psi_I(0) + \Omega_{\omega+1})$
1,4,7,9,5,4,7,9	$\psi(\psi_I(0) + \Omega_{\Omega})$
1,4,7,9,5,4,7,9,5	$\psi(\psi_I(0) \cdot 2)$
1,4,7,9,5,5	$\psi(\psi_I(0) \cdot \omega)$
1,4,7,9,5,8,11,13,9	$\psi(\psi_I(0) \cdot \psi(\psi_I(0)))$
1,4,7,9,6	$\psi(\psi_I(0) \cdot \Omega)$
1,4,7,9,6,4,7	$\psi(\psi_I(0) \cdot \Omega_{\omega^2})$
1,4,7,9,6,4,7,9	$\psi(\psi_I(0) \cdot \Omega_{\Omega})$
1,4,7,9,6,4,7,9,6,4,7,9,5	$\psi(\psi_I(0)^2 \cdot 2)$
1,4,7,9,6,5	$\psi(\psi_I(0)^2 \cdot \omega)$
1,4,7,9,6,6	$\psi(\psi_I(0)^2 \cdot \Omega)$
1,4,7,9,6,6,4,7,9,5	$\psi(\psi_I(0)^3)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,6,7,10,13,15,11	$\psi(\psi_I(0)^{\psi(\psi_I(0))})$
1,4,7,9,6,8	$\psi(\psi_I(0)^\Omega)$
1,4,7,9,6,8,4,7,9,5	$\psi(\psi_I(0)^{\psi_I(0)})$
1,4,7,9,6,9	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(0))$
1,4,7,9,6,9,9	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(1))$
1,4,7,9,6,9, 11,4,7,9,5	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(\psi_I(0)))$
1,4,7,9,6,9,11,14	$\psi(\psi_{\Omega_{\psi_I(0)+1}}(\psi_{\Omega_{\psi_I(0)+1}}(0)))$
1,4,7,9,6,9,12	$\psi(\Omega_{\psi_I(0)+1})$
1,4,7,9,6,10	$\psi(\Omega_{\psi_I(0)+\omega})$
1,4,7,9,6,10,14,16	$\psi(\Omega_{\psi_I(0)+\Omega})$
1,4,7,9,6,10, 14,16,4,7,9,5	$\psi(\Omega_{\psi_I(0)\cdot 2})$
1,4,7,9,6,10,14, 16,4,7,9,5,4,7,9,5	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_I(0))$
1,4,7,9,6,10,14, 16,4,7,9,6,9	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(0))$
1,4,7,9,6,10,14, 16,4,7,9,6,9,12	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)+1}))$
1,4,7,9,6,10,14,16,4,7, 9,6,10,14,16,4,7,9,5	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2}))$
1,4,7,9,6,10,14,16,6	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2}) \cdot \Omega)$
1,4,7,9,6,10, 14,16,6,4,7,9,5	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2}) \cdot \psi_I(0))$
1,4,7,9,6,10,14,16,6,9	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2}) \cdot \psi_{\Omega_{\psi_I(0)+1}}(0))$
1,4,7,9,6,10,14,16, 6,10,14,16,4,7,9,5	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2})^2)$
1,4,7,9,6,10,14,16,7	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2})^\omega)$
1,4,7,9,6,10,14, 16,8,4,7,9,5	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2})^{\psi_I(0)})$
1,4,7,9,6,10,14,16,9	$\psi(\Omega_{\psi_I(0)\cdot 2} + \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0)\cdot 2} + 1))$
1,4,7,9,6,10,14,16,9,12	$\psi(\Omega_{\psi_I(0)\cdot 2} + \Omega_{\psi_I(0)+1})$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,6,10,14,16,10	$\psi(\Omega_{\psi_I(0) \cdot 2} + \Omega_{\psi_I(0) + \omega})$
1,4,7,9,6,10,14,16, 10,14,16,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot 2)$
1,4,7,9,6,10,14,16,12	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \Omega)$
1,4,7,9,6,10, 14,16,12,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \psi_I(0))$
1,4,7,9,6,10,14,16,12,15	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \psi_{\Omega_{\psi_I(0)+1}}(0))$
1,4,7,9,6,10,14, 16,12,16,20,22,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_I(0) \cdot 2}))$
1,4,7,9,6,10,14,16,13	$\psi(\Omega_{\psi_I(0) \cdot 2} \cdot \Omega_{\psi_I(0)+1})$
1,4,7,9,6,10,14,16,13, 10,14,16,13,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot 2}^2)$
1,4,7,9,6,10,14, 16,13,13,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot 2}^{\Omega_{\psi_I(0) \cdot 2}})$
1,4,7,9,6,10,14,16,13,17	$\psi(\psi_{\Omega_{\psi_I(0) \cdot 2+1}}(0))$
1,4,7,9,6,10, 14,16,13,17,21	$\psi(\Omega_{\psi_I(0) \cdot 2+1})$
1,4,7,9,6,10,14,16, 13,18,23,25,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot 3})$
1,4,7,9,6,10,14,16,14	$\psi(\Omega_{\psi_I(0) \cdot \omega})$
1,4,7,9,6,10,14, 16,14,10,14,16,14	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot 2)$
1,4,7,9,6,10,14,16,14,12	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \Omega)$
1,4,7,9,6,10,14, 16,14,12,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0))$
1,4,7,9,6,10,14, 16,14,12,9,12	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0) + \Omega_{\psi_I(0)+1})$
1,4,7,9,6,10,14,16,14,12, 10,14,16,14,12,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0) \cdot 2)$
1,4,7,9,6,10, 14,16,14,12,12	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0) \cdot \Omega)$
1,4,7,9,6,10,14, 16,14,12,12,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0)^2)$
1,4,7,9,6,10,14, 16,14,12,14,4,7,9,5	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_I(0)^{\psi_I(0)})$
1,4,7,9,6,10, 14,16,14,12,15	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \psi_{\Omega_{\psi_I(0)+1}}(0))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,6,10,14,16,14,13	$\psi(\Omega_{\psi_I(0) \cdot \omega} \cdot \Omega_{\psi_I(0)+1})$
1,4,7,9,6,10,14, 16,14,13,10,14,16,14	$\psi(\Omega_{\psi_I(0) \cdot \omega}^2)$
1,4,7,9,6,10, 14,16,14,13,15	$\psi(\Omega_{\psi_I(0) \cdot \omega}^\Omega)$
1,4,7,9,6,10, 14,16,14,13,17	$\psi(\psi_{\Omega_{\psi_I(0) \cdot \omega+1}}(0))$
1,4,7,9,6,10, 14,16,14,13,17,21	$\psi(\Omega_{\psi_I(0) \cdot \omega+1})$
1,4,7,9,6,10,14, 16,14,13,18,23,25,23	$\psi(\Omega_{\psi_I(0) \cdot \omega \cdot 2})$
1,4,7,9,6,10,14,16,14,14	$\psi(\Omega_{\psi_I(0) \cdot \omega^2})$
1,4,7,9,6,10,14,16,14,16	$\psi(\Omega_{\psi_I(0) \cdot \Omega})$
1,4,7,9,6,10,14, 16,14,16,4,7,9,5	$\psi(\Omega_{\psi_I(0)^2})$
1,4,7,9,6,10,14, 16,16,4,7,9,5	$\psi(\Omega_{\psi_I(0)^{\psi_I(0)}})$
1,4,7,9,6,10,14,16,19	$\psi(\Omega_{\psi_{\Omega_{\psi_I(0)+1}}(0)})$
1,4,7,9,6,10,14,16,19,19	$\psi(\Omega_{\psi_{\Omega_{\psi_I(0)+1}}(1)})$
1,4,7,9,6,10,14, 16,20,24,26,29	$\psi(\Omega_{\psi_{\Omega_{\psi_I(0)+1}}(\Omega_{\psi_{\Omega_{\psi_I(0)+1}}(0)})})$
1,4,7,9,6,10,14,17	$\psi(\Omega_{\Omega_{\psi_I(0)+1}})$
1,4,7,9,6,10, 14,17,10,14,17	$\psi(\Omega_{\Omega_{\psi_I(0)+1}})$
1,4,7,9,6,10,14,17,11	$\psi(\psi_I(1))$
1,4,7,9,6,10, 14,17,11,4,7,9,5	$\psi(\psi_I(1) + \psi_I(0))$
1,4,7,9,6,10,14, 17,11,4,7,9,6,9	$\psi(\psi_I(1) + \psi_{\Omega_{\psi_I(0)+1}}(0))$
1,4,7,9,6,10,14,17, 11,4,7,9,6,10,14,17	$\psi(\psi_I(1) + \psi_{\Omega_{\psi_I(0)+1}}(\psi_I(1)))$
1,4,7,9,6,10,14, 17,11,6,4,7,9,5	$\psi(\psi_I(1) + \psi_{\Omega_{\psi_I(0)+1}}(\psi_I(1)) \cdot \psi_I(0))$
1,4,7,9,6,10,14,17,11,9	$\psi(\psi_I(1) + \psi_{\Omega_{\psi_I(0)+1}}(\psi_I(1) + 1))$
1,4,7,9,6,10, 14,17,11,9,12	$\psi(\psi_I(1) + \Omega_{\psi_I(0)+1})$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,6,10,14,17,11,10	$\psi(\psi_I(1) + \Omega_{\psi_I(0)+\omega})$
1,4,7,9,6,10,14, 17,11,10,14,17,11	$\psi(\psi_I(1) \cdot 2)$
1,4,7,9,6,10,14, 17,12,4,7,9,5	$\psi(\psi_I(1) \cdot \psi_I(0))$
1,4,7,9,6,10,14, 17,12,6,10,14,17,11	$\psi(\psi_I(1) \cdot \psi_{\Omega_{\psi_I(0)+1}}(\psi_I(1)))$
1,4,7,9,6,10, 14,17,12,9,12	$\psi(\psi_I(1) \cdot \Omega_{\psi_I(0)+1})$
1,4,7,9,6,10,14,17,12,10	$\psi(\psi_I(1) \cdot \Omega_{\psi_I(0)+\omega})$
1,4,7,9,6,10,14, 17,12,10,14,17,11	$\psi(\psi_I(1)^2)$
1,4,7,9,6,10,14,17,12,11	$\psi(\psi_I(1)^\omega)$
1,4,7,9,6,10,14,17,12,12	$\psi(\psi_I(1)^\Omega)$
1,4,7,9,6,10,14, 17,12,12,4,7,9,5	$\psi(\psi_I(1)^{\psi_I(0)})$
1,4,7,9,6,10,14,17,13	$\psi(\psi_I(1)^{\Omega_{\psi_I(0)+1}})$
1,4,7,9,6,10,14, 17,13,10,14,17,11	$\psi(\psi_I(1)^{\psi_I(1)})$
1,4,7,9,6,10,14,17,13,17	$\psi(\psi_{\Omega_{\psi_I(1)+1}}(0))$
1,4,7,9,6,10, 14,17,13,17,21	$\psi(\Omega_{\psi_I(1)+1})$
1,4,7,9,6,10,14,17,13,18	$\psi(\Omega_{\psi_I(1)+\omega})$
1,4,7,9,6,10, 14,17,13,18,23	$\psi(\Omega_{\psi_I(1)+\Omega})$
1,4,7,9,6,10,14,17, 13,18,23,25,4,7,9,5	$\psi(\Omega_{\psi_I(1)+\psi_I(0)})$
1,4,7,9,6,10,14,17,13, 18,23,26,10,14,17,11	$\psi(\Omega_{\psi_I(1) \cdot 2})$
1,4,7,9,6,10,14, 17,13,18,23,26,22,28	$\psi(\Omega_{\psi_{\Omega_{\psi_I(1)+1}}(0)})$
1,4,7,9,6,10,14, 17,13,18,23,27	$\psi(\Omega_{\Omega_{\psi_I(1)+1}})$
1,4,7,9,6,10,14, 17,13,18,23,27,19	$\psi(\psi_I(2))$
1,4,7,9,7	$\psi(\psi_I(\omega))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,7,3,5	$\psi(\psi_I(\omega) + \Omega)$
1,4,7,9,7,4,7,9,7	$\psi(\psi_I(\omega) \cdot 2)$
1,4,7,9,7,6	$\psi(\psi_I(\omega) \cdot \Omega)$
1,4,7,9,7,6,4,7,9,7	$\psi(\psi_I(\omega)^2)$
1,4,7,9,7,6,9	$\psi(\psi_{\Omega_{\psi_I(\omega)+1}}(0))$
1,4,7,9,7,6,9,9	$\psi(\psi_{\Omega_{\psi_I(\omega)+1}}(1))$
1,4,7,9,7,6,9,12	$\psi(\Omega_{\psi_I(\omega)+1})$
1,4,7,9,7,6,10, 14,16,4,7,9,7	$\psi(\Omega_{\psi_I(\omega) \cdot 2})$
1,4,7,9,7,6,10, 14,16,16,4,7,9,7	$\psi(\Omega_{\psi_I(\omega)}^{\psi_I(\omega)})$
1,4,7,9,7,6,10,14,16,19	$\psi(\Omega_{\psi_{\Omega_{\psi_I(\omega)+1}}(0)})$
1,4,7,9,7,6,10, 14,16,20,24,26,29	$\psi(\Omega_{\psi_{\Omega_{\psi_I(\omega)+1}}(\Omega_{\psi_{\Omega_{\psi_I(\omega)+1}}(0)})})$
1,4,7,9,7,6,10,14,17	$\psi(\Omega_{\Omega_{\psi_I(\omega)+1}})$
1,4,7,9,7,6,10,14,17,11	$\psi(\psi_I(\omega + 1))$
1,4,7,9,7,6,10,14,17,14	$\psi(\psi_I(\omega \cdot 2))$
1,4,7,9,7,7	$\psi(\psi_I(\omega^2))$
1,4,7,9,7,8,10	$\psi(\psi_I(\psi(0)))$
1,4,7,9,7,8,11	$\psi(\psi_I(\psi(\Omega_\omega)))$
1,4,7,9,7,8,11,14,16,12	$\psi(\psi_I(\psi(\psi_I(0))))$
1,4,7,9,7,9	$\psi(\psi_I(\Omega))$
1,4,7,9,7,9,4,7,9,5	$\psi(\psi_I(\psi_I(0)))$
1,4,7,9,7,9,4,7,9,6	$\psi(\psi_I(\psi_I(0)) + \psi_I(0) \cdot \Omega)$
1,4,7,9,7,9,4, 7,9,6,10,14,17,11	$\psi(\psi_I(\psi_I(0)) + \psi_I(1))$
1,4,7,9,7,9,4, 7,9,6,10,14,17,14	$\psi(\psi_I(\psi_I(0)) + \psi_I(\omega))$
1,4,7,9,7,9,4,7, 9,6,10,14,17,14,16	$\psi(\psi_I(\psi_I(0)) + \psi_I(\Omega))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,7,9,4,7,9,6, 10,14,17,14,16,4,7,9,5	$\psi(\psi_I(\psi_I(0)) \cdot 2)$
1,4,7,9,7,9,4,7,9, 6,10,14,17,14,16,6	$\psi(\psi_I(\psi_I(0)) \cdot \Omega)$
1,4,7,9,7,9,4,7,9, 6,10,14,17,14,16,6,9	$\psi(\psi_{\Omega_{\psi_I(\psi_I(0))+1}}(0))$
1,4,7,9,7,9,4,7,9,6, 10,14,17,14,16,6,9,12	$\psi(\Omega_{\psi_I(\psi_I(0))+1})$
1,4,7,9,7,9,4,7,9,6,10, 14,17,14,16,6,10,14,17,11	$\psi(\psi_I(\psi_I(0) + 1))$
1,4,7,9,7,9,4,7,9,6,10, 14,17,14,16,6,10,14,17,14	$\psi(\psi_I(\psi_I(0) + \omega))$
1,4,7,9,7,9,4,7,9,6,10, 14,17,14,16,6,10,14,17,14,16	$\psi(\psi_I(\psi_I(0) + \Omega))$
1,4,7,9,7,9,4,7,9, 6,10,14,17,14,16,6,10, 14,17,14,16,4,7,9,5	$\psi(\psi_I(\psi_I(0) \cdot 2))$
1,4,7,9,7,9,4,7, 9,6,10,14,17,14,16,7	$\psi(\psi_I(\psi_I(0) \cdot \omega))$
1,4,7,9,7,9,4,7, 9,6,10,14,17,14,16,19	$\psi(\psi_I(\psi_{\Omega_{\psi_I(0)+1}}(0)))$
1,4,7,9,7,9,4,7,9,6, 10,14,17,14,16,20,24,27,21	$\psi(\psi_I(\psi_I(1)))$
1,4,7,9,7,9,4,7,9,7	$\psi(\psi_I(\psi_I(\omega)))$
1,4,7,9,7,9,4,7,9,7,9	$\psi(\psi_I(\psi_I(\Omega)))$
1,4,7,9,7,9,4, 7,9,7,9,4,7,9,5	$\psi(\psi_I(\psi_I(\psi_I(0))))$
1,4,7,9,7,9,5	$\psi(I)$ $\psi(2 \cdot 1 - 2)$
1,4,7,9,7,9,5,3	$\psi(I + 1)$
1,4,7,9,7,9,5, 3,4,7,10,12,10,12,8	$\psi(I + \psi(I))$
1,4,7,9,7,9,5,3,5	$\psi(I + \Omega)$
1,4,7,9,7,9, 5,4,7,9,5	$\psi(I + \psi_I(0))$
1,4,7,9,7,9, 5,4,7,9,7,9,5	$\psi(I + \psi_I(I))$

0-Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,7,9,6	$\psi(I + \psi_I(I) \cdot \Omega)$
1,4,7,9,7,9, 6,4,7,9,7,9,5	$\psi(I + \psi_I(I)^2)$
1,4,7,9,7,9,6,9	$\psi(I + \psi_{\Omega_{\psi_I(I)+1}}(0))$
1,4,7,9,7,9,6,9,12	$\psi(I + \Omega_{\psi_I(I)+1})$
1,4,7,9,7,9, 6,10,14,17,11	$\psi(I + \psi_I(I+1))$
1,4,7,9,7,9, 6,10,14,17,14	$\psi(I + \psi_I(I+\omega))$
1,4,7,9,7,9,6,10,14, 17,14,16,4,7,9,7,9,5	$\psi(I + \psi_I(I + \psi_I(I)))$
1,4,7,9,7,9,6,10, 14,17,14,17,11	$\psi(I \cdot 2)$
1,4,7,9,7,9,7	$\psi(I \cdot \omega)$
1,4,7,9,7,9,7,7	$\psi(I \cdot \omega^2)$
1,4,7,9,7,9,7,8, 11,14,16,14,16,12	$\psi(I \cdot \psi(I))$
1,4,7,9,7,9,7,9	$\psi(I \cdot \Omega)$
1,4,7,9,7,9,7, 9,4,7,9,7,9,5	$\psi(I \cdot \psi_I(I))$
1,4,7,9,7,9,7, 9,4,7,9,7,9,7,9	$\psi(I \cdot \psi_I(I \cdot \Omega))$
1,4,7,9,7,9,7,9,5	$\psi(I^2)$
1,4,7,9,7,9, 7,9,7,9,5	$\psi(I^3)$
1,4,7,9,8	$\psi(I^\omega)$
1,4,7,9,8,7,9,5	$\psi(I^{\omega+1})$
1,4,7,9,8,7,9,8	$\psi(I^{\omega \cdot 2})$
1,4,7,9,9	$\psi(I^\Omega)$
1,4,7,9,9,4,7,9,9	$\psi(I^{\psi_I(I^\Omega)})$
1,4,7,9,9,5	$\psi(I^I)$
1,4,7,9,9,7,9,5	$\psi(I^{I+1})$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,9,7,9,9,5	$\psi(I^{I \cdot 2})$
1,4,7,9,9,8	$\psi(I^{I \cdot \omega})$
1,4,7,9,9,9	$\psi(I^{I \cdot \Omega})$
1,4,7,9,9,9,5	$\psi(I^{I^2})$
1,4,7,9,10	$\psi(I^{I^\omega})$
1,4,7,9,11	$\psi(I^{I^\Omega})$
1,4,7,9,11,5	$\psi(I^{I^I})$
1,4,7,9,11,13,5	$\psi(I^{I^{I^I}})$
1,4,7,9,12	$\psi(\psi_{\Omega_{I+1}}(0))$
1,4,7,9,12,3	$\psi(\psi_{\Omega_{I+1}}(0) + 1)$
1,4,7,9,12,4,7,9,12	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0)))$
1,4,7,9,12,6,9	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_{\psi_I(\psi_{\Omega_{I+1}}(0))+1}(0))$
1,4,7,9,12,6,9,12	$\psi(\psi_{\Omega_{I+1}}(0) + \Omega_{\psi_I(\psi_{\Omega_{I+1}}(0))+1})$
1,4,7,9,12,6,10,14,17,11	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0) + 1))$
1,4,7,9,12,6, 10,14,17,14,16	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0) + \Omega))$
1,4,7,9,12,6,10,14, 17,14,16,4,7,9,12	$\psi(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0) + \psi_I(\psi_{\Omega_{I+1}}(0))))$
1,4,7,9,12,6,10, 14,17,14,17,11	$\psi(\psi_{\Omega_{I+1}}(0) + I)$
1,4,7,9,12,6,10, 14,17,14,17,14	$\psi(\psi_{\Omega_{I+1}}(0) + I \cdot \omega)$
1,4,7,9,12,6,10,14, 17,14,17,14,17,11	$\psi(\psi_{\Omega_{I+1}}(0) + I^2)$
1,4,7,9,12,6,10,14,17,15	$\psi(\psi_{\Omega_{I+1}}(0) + I^\omega)$
1,4,7,9,12,6, 10,14,17,17,11	$\psi(\psi_{\Omega_{I+1}}(0) + I^I)$
1,4,7,9,12,6,10,14,17,21	$\psi(\psi_{\Omega_{I+1}}(0) \cdot 2)$
1,4,7,9,12,7	$\psi(\psi_{\Omega_{I+1}}(0) \cdot \omega)$
1,4,7,9,12,7,9	$\psi(\psi_{\Omega_{I+1}}(0) \cdot \Omega)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,12,7, 9,4,7,9,12	$\psi(\psi_{\Omega_{I+1}}(0) \cdot \psi_I(\psi_{\Omega_{I+1}}(0)))$
1,4,7,9,12,7,9,5	$\psi(\psi_{\Omega_{I+1}}(0) \cdot I)$
1,4,7,9,12,7,9,12	$\psi(\psi_{\Omega_{I+1}}(0)^2)$
1,4,7,9,12,9	$\psi(\psi_{\Omega_{I+1}}(0)^\Omega)$
1,4,7,9,12,9,5	$\psi(\psi_{\Omega_{I+1}}(0)^I)$
1,4,7,9,12,9,12	$\psi(\psi_{\Omega_{I+1}}(0)^{\psi_{\Omega_{I+1}}(0)})$
1,4,7,9,12,11	$\psi(\psi_{\Omega_{I+1}}(0)^{\psi_{\Omega_{I+1}}(0)^\Omega})$
1,4,7,9,12,12	$\psi(\psi_{\Omega_{I+1}}(1))$
1,4,7,9,12,14	$\psi(\psi_{\Omega_{I+1}}(\Omega))$
1,4,7,9,12,14,5	$\psi(\psi_{\Omega_{I+1}}(I))$
1,4,7,9,12,14,12,14,5	$\psi(\psi_{\Omega_{I+1}}(I \cdot 2))$
1,4,7,9,12,14,14,5	$\psi(\psi_{\Omega_{I+1}}(I^2))$
1,4,7,9,12,14,17	$\psi(\psi_{\Omega_{I+1}}(\psi_{\Omega_{I+1}}(0)))$
1,4,7,9,12,15	$\psi(\Omega_{I+1})$
1,4,7,9,12,16	$\psi(\psi_{\Omega_{I+2}}(0))$
1,4,7,9,12,16,20	$\psi(\Omega_{I+2})$
1,4,7,9,13	$\psi(\Omega_{I+\omega})$
1,4,7,9,13,17,19	$\psi(\Omega_{I+\Omega})$
1,4,7,9,13,17, 19,4,7,9,13,17,19	$\psi(\Omega_{I+\psi_I(\Omega_{I+\Omega})})$
1,4,7,9,13,17,19,5	$\psi(\Omega_{I \cdot 2})$
1,4,7,9,13,17,19,6	$\psi(\Omega_{I \cdot 2} + \psi_I(\Omega_{I \cdot 2}) \cdot \Omega)$
1,4,7,9,13,17, 19,6,10,14,17,11	$\psi(\Omega_{I \cdot 2} + \psi_I(\Omega_{I \cdot 2} + 1))$
1,4,7,9,13,17,19, 6,10,14,17,14,17,11	$\psi(\Omega_{I \cdot 2} + I)$
1,4,7,9,13,17, 19,6,10,14,17,21	$\psi(\Omega_{I \cdot 2} + \psi_{\Omega_{I+1}}(0))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,13,17,19, 6,10,14,17,22,27,30	$\psi(\Omega_{I \cdot 2} \cdot 2)$
1,4,7,9,13,17,19,7	$\psi(\Omega_{I \cdot 2} \cdot \omega)$
1,4,7,9,13,17,19,7,9	$\psi(\Omega_{I \cdot 2} \cdot \Omega)$
1,4,7,9,13,17,19,7,9,5	$\psi(\Omega_{I \cdot 2} \cdot I)$
1,4,7,9,13,17,19,9	$\psi(\Omega_{I \cdot 2}^\Omega)$
1,4,7,9,13,17,19,9,5	$\psi(\Omega_{I \cdot 2}^I)$
1,4,7,9,13,17, 19,9,13,17,19	$\psi(\Omega_{I \cdot 2}^{\psi_{\Omega_{I+1}}(\Omega_{I \cdot 2})})$
1,4,7,9,13,17,19,11	$\psi(\Omega_{I \cdot 2}^{\psi_{\Omega_{I+1}}(\Omega_{I \cdot 2}) \cdot \Omega})$
1,4,7,9,13,17,19,12	$\psi(\Omega_{I \cdot 2}^{\psi_{\Omega_{I+1}}(\Omega_{I \cdot 2} + 1)})$
1,4,7,9,13,17,19,12,16,20	$\psi(\Omega_{I \cdot 2}^{\Omega_{I+1}})$
1,4,7,9,13,17,19,13	$\psi(\Omega_{I \cdot 2}^{\Omega_{I+\omega}})$
1,4,7,9,13,17, 19,13,17,19,5	$\psi(\Omega_{I \cdot 2}^{\Omega_{I \cdot 2}})$
1,4,7,9,13,17,19,16,20	$\psi(\psi_{\Omega_{I \cdot 2+1}}(0))$
1,4,7,9,13,17,19,16,20,24	$\psi(\Omega_{I \cdot 2+1})$
1,4,7,9,13,17, 19,16,21,26,28,5	$\psi(\Omega_{I \cdot 3})$
1,4,7,9,13,17,19,17	$\psi(\Omega_{I \cdot \omega})$
1,4,7,9,13,17,19,17,19,5	$\psi(\Omega_{I^2})$
1,4,7,9,13,17,19,19,5	$\psi(\Omega_{I^I})$
1,4,7,9,13,17,19,22	$\psi(\Omega_{\psi_{\Omega_{I+1}}(0)})$
1,4,7,9,13,17,20	$\psi(\Omega_{\Omega_{I+1}})$
1,4,7,9,13,17,20,13,17,20	$\psi(\Omega_{\Omega_{\Omega_{I+1}}})$
1,4,7,9,13,17,20,14	$\psi(\psi_{I_2}(0))$
1,4,7,9,13,17,20,14,6	$\psi(\psi_{I_2}(0) + \psi_I(\psi_{I_2}(0)) \cdot \Omega)$
1,4,7,9,13,17,20,14,6, 10,14,17,14,17,11	$\psi(\psi_{I_2}(0) + I)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,13,17,20, 14,6,10,14,17,21	$\psi(\psi_{I_2}(0) + \psi_{\Omega_{I+1}}(0))$
1,4,7,9,13,17,20,14,6, 10,14,17,22,27,31,23	$\psi(\psi_{I_2}(0) \cdot 2)$
1,4,7,9,13,17,20,14,7	$\psi(\psi_{I_2}(0) \cdot \omega)$
1,4,7,9,13,17, 20,14,7,9,5	$\psi(\psi_{I_2}(0) \cdot I)$
1,4,7,9,13,17,20, 14,7,9,13,17,20,14	$\psi(\psi_{I_2}(0)^2)$
1,4,7,9,13,17,20,14,9	$\psi(\psi_{I_2}(0)^\Omega)$
1,4,7,9,13,17,20,14,9,5	$\psi(\psi_{I_2}(0)^I)$
1,4,7,9,13,17,20, 14,9,13,17,20,14	$\psi(\psi_{I_2}(0)^{\psi_{\Omega_{I+1}}(\psi_{I_2}(0))})$
1,4,7,9,13,17,20, 14,13,17,20,14	$\psi(\psi_{I_2}(0)^{\psi_{I_2}(0)})$
1,4,7,9,13,17,20,16,20	$\psi(\psi_{\Omega_{\psi_{I_2}(0)+1}}(0))$
1,4,7,9,13,17,20,16,20,20	$\psi(\psi_{\Omega_{\psi_{I_2}(0)+1}}(1))$
1,4,7,9,13,17, 20,14,16,20,21	$\psi(\psi_{\Omega_{\psi_{I_2}(0)+1}}(\omega))$
1,4,7,9,13,17,20,16,20,22	$\psi(\psi_{\Omega_{\psi_{I_2}(0)+1}}(\Omega))$
1,4,7,9,13,17,20,16,20,24	$\psi(\Omega_{\psi_{I_2}(0)+1})$
1,4,7,9,13,17, 20,16,21,26,30	$\psi(\Omega_{\Omega_{\psi_{I_2}(0)+1}})$
1,4,7,9,13,17, 20,16,21,26,30,22	$\psi(\psi_{I_2}(1))$
1,4,7,9,13,17,20,17	$\psi(\psi_{I_2}(\omega))$
1,4,7,9,13,17,20,17,19	$\psi(\psi_{I_2}(\Omega))$
1,4,7,9,13,17,20,17,19	$\psi(\psi_{I_2}(\Omega))$
1,4,7,9,13,17,20,17,19,5	$\psi(\psi_{I_2}(I))$
1,4,7,9,13,17,20,17,19,22	$\psi(\psi_{I_2}(\psi_{\Omega_{I+1}}(0)))$
1,4,7,9,13,17,20,17,20	$\psi(\psi_{I_2}(\Omega_{I+1}))$
1,4,7,9,13,17, 20,17,20,13,17,20	$\psi(\psi_{I_2}(\Omega_{\Omega_{I+1}}))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,9,13,17, 20,17,20,13,17,20,14	$\psi(\psi_{I_2}(\psi_{I_2}(0)))$
1,4,7,9,13,17,20, 17,20,13,17,20,17,20	$\psi(\psi_{I_2}(\psi_{I_2}(\Omega_{I+1})))$
1,4,7,9,13,17,20,17,20,14	$\psi(I_2)$
1,4,7,9,13,17,20,17,20, 16,21,26,30,35,30,35,31	$\psi(I_2 \cdot 2)$
1,4,7,9,13,17,20,17,20,17	$\psi(I_2 \cdot \omega)$
1,4,7,9,13,17, 20,17,20,17,20,14	$\psi(I_2^2)$
1,4,7,9,13,17,20,19	$\psi(I_2^\Omega)$
1,4,7,9,13,17,20,19,5	$\psi(I_2^I)$
1,4,7,9,13,17,20,20,14	$\psi(I_2^I)$
1,4,7,9,13,17,20,24	$\psi(\psi_{\Omega_{I_2+1}}(0))$
1,4,7,9,13,17,20,24,24	$\psi(\psi_{\Omega_{I_2+1}}(1))$
1,4,7,9,13,17,20,24,28	$\psi(\Omega_{I_2+1})$
1,4,7,9,13,17,20,24,29	$\psi(\psi_{\Omega_{I_2+2}}(0))$
1,4,7,9,13,17,20,25,30,34	$\psi(\Omega_{\Omega_{I_2+1}})$
1,4,7,9,13,17, 20,25,30,34,26	$\psi(\psi_{I_3}(0))$
1,4,7,9,13,17,20, 25,30,34,30,34,26	$\psi(I_3)$
1,4,7,10	$\psi(I_\omega)$
1,4,7,10,3	$\psi(I_\omega + 1)$
1,4,7,10,4	$\psi(I_\omega + \Omega_\omega)$
1,4,7,10,4,7,9,5	$\psi(I_\omega + \psi_I(0))$
1,4,7,10,4,7,9,7,9,5	$\psi(I_\omega + \psi_I(I))$
1,4,7,10,4,7,9,12	$\psi(I_\omega + \psi_I(\psi_{\Omega_{I+1}}(0)))$
1,4,7,10,4,7,9,12,15	$\psi(I_\omega + \psi_I(\Omega_{I+1}))$
1,4,7,10,4,7, 9,13,17,20,14	$\psi(I_\omega + \psi_I(\psi_{I_2}(0)))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,4,7,9,13,17,21	$\psi(I_\omega + \psi_I(I_\omega))$
1,4,7,10,4,7, 9,13,17,21,6,9	$\psi(I_\omega + \psi_{\Omega_{\psi_I(I_\omega)+1}}(0))$
1,4,7,10,4,7, 9,13,17,21,6,9,12	$\psi(I_\omega + \Omega_{\psi_I(I_\omega)+1})$
1,4,7,10,4,7,9,13, 17,21,6,10,14,17,11	$\psi(I_\omega + \psi_I(I_\omega + 1))$
1,4,7,10,4,7,9,13,17, 21,6,10,14,17,14,17,11	$\psi(I_\omega + I)$
1,4,7,10,4,7,9,13, 17,21,6,10,14,17,21	$\psi(I_\omega + \psi_{\Omega_{I+1}}(0))$
1,4,7,10,4,7,9,13,17, 21,6,10,14,17,21,21	$\psi(I_\omega + \psi_{\Omega_{I+1}}(1))$
1,4,7,10,4,7,9,13,17, 21,6,10,14,17,21,25	$\psi(I_\omega + \psi_{\Omega_{I+1}}(\Omega_{I+1}))$
1,4,7,10,4,7,9,13, 17,21,6,10,14,18	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega))$
1,4,7,10,4,7,9,13,17,21,6, 10,14,18,10,14,17,22,27,32	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) \cdot 2)$
1,4,7,10,4,7,9,13,17,21,7	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega) \cdot \omega)$
1,4,7,10,4,7,9,13, 17,21,7,9,13,17,21	$\psi(I_\omega + \psi_{\Omega_{I+1}}(I_\omega)^2)$
1,4,7,10,4,7,9, 13,17,21,12,15	$\psi(I_\omega + \Omega_{I+1})$
1,4,7,10,4,7,9, 13,17,21,13,17,20	$\psi(I_\omega + \Omega_{\Omega_{I+1}})$
1,4,7,10,4,7,9, 13,17,21,13,17,20,14	$\psi(I_\omega + \psi_{I_2}(0))$
1,4,7,10,4,7,9,13, 17,21,13,17,20,25, 30,35,25,30,34,26	$\psi(I_\omega + \psi_{I_3}(0))$
1,4,7,10,4,7,10	$\psi(I_\omega \cdot 2)$
1,4,7,10,5	$\psi(I_\omega \cdot \omega)$
1,4,7,10,6	$\psi(I_\omega \cdot \Omega)$
1,4,7,10,6,4,7,9,5	$\psi(I_\omega \cdot \psi_I(0))$
1,4,7,10,6,4, 7,9,13,17,21	$\psi(I_\omega \cdot \psi_I(I_\omega))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,6,4, 7,9,13,17,21,16	$\psi(I_\omega \cdot \psi_I(I_\omega \cdot \Omega))$
1,4,7,10,6,4,7,9,13,17, 21,16,4,7,9,13,17,21	$\psi(I_\omega \cdot \psi_I(I_\omega \cdot \psi_I(I_\omega)))$
1,4,7,10,6,4,7, 9,13,17,21,16,5	$\psi(I_\omega \cdot I)$
1,4,7,10,6,4,7,9, 13,17,21,16,12	$\psi(I_\omega \cdot \psi_{\Omega_{I+1}}(0))$
1,4,7,10,6,4,7,9, 13,17,21,16,12,15	$\psi(I_\omega \cdot \Omega_{I+1})$
1,4,7,10,6,4,7,9, 13,17,21,16,13,17,20	$\psi(I_\omega \cdot \Omega_{\Omega_{I+1}})$
1,4,7,10,6,4,7,9,13, 17,21,16,13,17,20,14	$\psi(I_\omega \cdot \psi_{I_2}(0))$
1,4,7,10,6,4,7,9,13, 17,21,16,13,17,20,25,30, 35,29,25,30,34,26	$\psi(I_\omega \cdot \psi_{I_3}(0))$
1,4,7,10,6,4,7,10	$\psi(I_\omega^2)$
1,4,7,10,6,4, 7,10,4,7,10	$\psi(I_\omega^2 + I_\omega)$
1,4,7,10,6,4, 7,10,6,4,7,10	$\psi(I_\omega^2 \cdot 2)$
1,4,7,10,6,5	$\psi(I_\omega^2 \cdot \omega)$
1,4,7,10,6,6	$\psi(I_\omega^2 \cdot \Omega)$
1,4,7,10,6,6,4,7,10	$\psi(I_\omega^3)$
1,4,7,10,6,7	$\psi(I_\omega^\omega)$
1,4,7,10,6,8	$\psi(I_\omega^\Omega)$
1,4,7,10,6,8,4,7,10	$\psi(I_\omega^{I_\omega})$
1,4,7,10,6,9	$\psi(\psi_{\Omega_{I_\omega+1}}(0))$ $\psi((1-)^{1,0} \text{ aft } 1-2 \ 1-2)$
1,4,7,10,6,9,9	$\psi(\psi_{\Omega_{I_\omega+1}}(1))$
1,4,7,10,6,9,12	$\psi(\Omega_{I_\omega+1})$
1,4,7,10,6,10	$\psi(\Omega_{I_\omega+\omega})$
1,4,7,10,6,10,14,16,19	$\psi(\Omega_{\psi_{\Omega_{I_\omega+1}}(0)})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,6,10,14,17	$\psi(\psi_{I_{\omega+1}}(0))$
1,4,7,10,6,10, 14,17,14,17,11	$\psi(I_{\omega+1})$
1,4,7,10,6,10,14,18	$\psi(I_{\omega \cdot 2})$
1,4,7,10,7	$\psi(I_{\omega^2})$
1,4,7,10,7,7	$\psi(I_{\omega^3})$
1,4,7,10,7,9	$\psi(I_{\Omega})$
1,4,7,10,7,9,4,7,9,5	$\psi(I_{\psi_I(0)})$
1,4,7,10,7,9, 4,7,9,13,17,21	$\psi(I_{\psi_I(I_{\omega})})$
1,4,7,10,7,9,4, 7,9,13,17,21,17,19	$\psi(I_{\psi_I(I_{\Omega})})$
1,4,7,10,7,9,4,7,9, 13,17,21,17,19,4,7,9, 13,17,21,17,19	$\psi(I_{\psi_I(I_{\psi_I(I_{\Omega})})})$
1,4,7,10,7,9,4,7, 9,13,17,21,17,19,5	$\psi(I_I)$
1,4,7,10,7,9,4,7,10	$\psi(I_{I_{\omega}})$
1,4,7,10,7,9, 4,7,10,7,9	$\psi(I_{I_{\Omega}})$
1,4,7,10,7,9, 4,7,10,7,9,4,7,10	$\psi(I_{I_{I_{\omega}}})$
1,4,7,10,7,9,5	$\psi(\psi_{I(1,0)}(0))$
1,4,7,10,7,9,5,3	$\psi(\psi_{I(1,0)}(0) + 1)$
1,4,7,10,7,9,5,4,7,10	$\psi(\psi_{I(1,0)}(0) + I_{\omega})$
1,4,7,10,7,9, 5,4,7,10,7,9	$\psi(\psi_{I(1,0)}(0) + I_{\Omega})$
1,4,7,10,7,9, 5,4,7,10,7,9,5	$\psi(\psi_{I(1,0)}(0) \cdot 2)$
1,4,7,10,7,9,5,5	$\psi(\psi_{I(1,0)}(0) \cdot \omega)$
1,4,7,10,7,9,6	$\psi(\psi_{I(1,0)}(0) \cdot \Omega)$
1,4,7,10,7,9,6,4,7,10	$\psi(\psi_{I(1,0)}(0) \cdot I_{\omega})$



$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,7,9, 6,4,7,10,7,9,5	$\psi(\psi_{I(1,0)}(0)^2)$
1,4,7,10,7,9,6, 4,7,10,7,9,6	$\psi(\psi_{I(1,0)}(0)^2 + \psi_{I(1,0)}(0) \cdot \Omega)$
1,4,7,10,7,9,6,4,7, 10,7,9,6,4,7,10,7,9,5	$\psi(\psi_{I(1,0)}(0)^2 \cdot 2)$
1,4,7,10,7,9,6,5	$\psi(\psi_{I(1,0)}(0)^2 \cdot \omega)$
1,4,7,10,7,9,6,6	$\psi(\psi_{I(1,0)}(0)^2 \cdot \Omega)$
1,4,7,10,7,9, 6,6,4,7,10,7,9,5	$\psi(\psi_{I(1,0)}(0)^3)$
1,4,7,10,7,9,6, 6,6,4,7,10,7,9,5	$\psi(\psi_{I(1,0)}(0)^4)$
1,4,7,10,7,9,6,7	$\psi(\psi_{I(1,0)}(0)^\omega)$
1,4,7,10,7,9,6,8	$\psi(\psi_{I(1,0)}(0)^\Omega)$
1,4,7,10,7,9,6, 8,4,7,10,7,9,5	$\psi(\psi_{I(1,0)}(0)^{\psi_{I(1,0)}(0)})$
1,4,7,10,7,9,6,9	$\psi(\psi_{\Omega_{\psi_{I(1,0)}(0)+1}}(0))$
1,4,7,10,7,9,6,9,9	$\psi(\psi_{\Omega_{\psi_{I(1,0)}(0)+1}}(1))$
1,4,7,10,7,9,6,9,11	$\psi(\psi_{\Omega_{\psi_{I(1,0)}(0)+1}}(\Omega))$
1,4,7,10,7,9,6,9,12	$\psi(\Omega_{\psi_{I(1,0)}(0)+1})$
1,4,7,10,7,9,6,10, 14,16,4,7,10,7,9,5	$\psi(\Omega_{\psi_{I(1,0)}(0) \cdot 2})$
1,4,7,10,7,9,6,10,14,17	$\psi(\Omega_{\Omega_{\psi_{I(1,0)}(0)+1}})$
1,4,7,10,7,9, 6,10,14,17,11	$\psi(\psi_{I_{\psi_{I(1,0)}(0)+1}}(0))$
1,4,7,10,7,9, 6,10,14,17,14	$\psi(\psi_{I_{\psi_{I(1,0)}(0)+1}}(\omega))$
1,4,7,10,7,9, 6,10,14,17,14,17,11	$\psi(I_{\psi_{I(1,0)}(0)+1})$
1,4,7,10,7,9, 6,10,14,17,21,25	$\psi(\Omega_{I_{\psi_{I(1,0)}(0)+1}+1})$
1,4,7,10,7,9,6, 10,14,17,22,27,31,23	$\psi(\psi_{I_{\psi_{I(1,0)}(0)+2}}(0))$
1,4,7,10,7,9,6,10,14,18	$\psi(I_{\psi_{I(1,0)}(0)+\omega})$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,7,9,6,10,14, 18,14,16,4,7,10,7,9,5	$\psi(I_{\psi_{I(1,0)}(0) \cdot 2})$
1,4,7,10,7,9,6, 10,14,18,14,17	$\psi(I_{\Omega_{\psi_{I(1,0)}(0)+1}})$
1,4,7,10,7,9,6, 10,14,18,14,17,11	$\psi(\psi_{I(1,0)}(1))$
1,4,7,10,7,9,6,10,14,18, 14,17,13,18,23,27,23,26,19	$\psi(\psi_{I(1,0)}(2))$
1,4,7,10,7,9,7	$\psi(\psi_{I(1,0)}(\omega))$
1,4,7,10,7,9,7,7	$\psi(\psi_{I(1,0)}(\omega^2))$
1,4,7,10,7,9,7,9	$\psi(\psi_{I(1,0)}(\Omega))$
1,4,7,10,7,9,7, 9,4,7,10,7,9,7,9	$\psi(\psi_{I(1,0)}(\psi_{I(1,0)}(\Omega)))$
1,4,7,10,7,9,7,9,5	$\psi(I(1, 0))$ $\psi(2 \ 1 - 2 \ 1 - 2)$
1,4,7,10,7,9,7,9, 5,4,7,10,7,9,7,9,5	$\psi(I(1, 0) + \psi_{I(1,0)}(I(1, 0)))$
1,4,7,10,7,9,7,9,6	$\psi(I(1, 0) + \psi_{I(1,0)}(I(1, 0)) \cdot \Omega)$
1,4,7,10,7,9,7,9,6,9	$\psi(I(1, 0) + \psi_{\Omega_{\psi_{I(1,0)}(I(1,0))+1}}(0))$
1,4,7,10,7,9, 7,9,6,9,12	$\psi(I(1, 0) + \Omega_{\psi_{I(1,0)}(I(1,0))+1})$
1,4,7,10,7,9, 7,9,6,10,14,17	$\psi(I(1, 0) + \Omega_{\Omega_{\psi_{I(1,0)}(I(1,0))+1}})$
1,4,7,10,7,9,7, 9,6,10,14,17,11	$\psi(I(1, 0) + \psi_{I_{\psi_{I(1,0)}(I(1,0))+1}}(0))$
1,4,7,10,7,9,7, 9,6,10,14,17,14,17,11	$\psi(I(1, 0) + I_{\psi_{I(1,0)}(I(1,0))+1})$
1,4,7,10,7,9,7, 9,6,10,14,18	$\psi(I(1, 0) + I_{\psi_{I(1,0)}(I(1,0))+\omega})$
1,4,7,10,7,9,7, 9,6,10,14,18,14,17,11	$\psi(I(1, 0) + \psi_{I(1,0)}(I(1, 0) + 1))$
1,4,7,10,7,9,7, 9,6,10,14,18,14,17, 14,16,4,7,10,7,9,7,9,5	$\psi(I(1, 0) + \psi_{I(1,0)}(I(1, 0) + \psi_{I(1,0)}(I(1, 0))))$
1,4,7,10,7,9,7,9,6,10, 14,18,14,17,14,17,11	$\psi(I(1, 0) \cdot 2)$
1,4,7,10,7,9,7,9,7	$\psi(I(1, 0) \cdot \omega)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,7,9,7,9,7,9	$\psi(I(1,0) \cdot \Omega)$
1,4,7,10,7,9,7,9,7, 9,4,7,10,7,9,7,9,5	$\psi(I(1,0) \cdot \psi_{I(1,0)}(I(1,0)))$
1,4,7,10,7, 9,7,9,7,9,5	$\psi(I(1,0)^2)$
1,4,7,10,7,9,7,9,7,9, 7,9,4,7,10,7,9,7,9,5	$\psi(I(1,0)^2 \cdot \psi_{I(1,0)}(I(1,0)))$
1,4,7,10,7,9, 7,9,7,9,7,9,5	$\psi(I(1,0)^3)$
1,4,7,10,7,9,8	$\psi(I(1,0)^\omega)$
1,4,7,10,7,9,9,5	$\psi(I(1,0)^{I(1,0)})$
1,4,7,10,7,9,12	$\psi(\psi_{\Omega_{I(1,0)}+1}(0))$
1,4,7,10,7,9,12,15	$\psi(\Omega_{I(1,0)+1})$
1,4,7,10,7,9,13	$\psi(\Omega_{I(1,0)+\omega})$
1,4,7,10,7,9,13,17,19	$\psi(\Omega_{I(1,0)+\Omega})$
1,4,7,10,7,9,13,17, 19,4,7,10,7,9,7,9,5	$\psi(\Omega_{I(1,0) \cdot 2})$
1,4,7,10,7,9,13,17,19,17	$\psi(\Omega_{I(1,0) \cdot \omega})$
1,4,7,10,7,9,13,17,19,22	$\psi(\Omega_{\psi_{\Omega_{I(1,0)}+1}}(0))$
1,4,7,10,7,9,13,17,20	$\psi(\Omega_{\Omega_{I(1,0)+1}})$
1,4,7,10,7,9,13,17,20,14	$\psi(\psi_{I(1,0)+1}(0))$
1,4,7,10,7,9, 13,17,20,17,20,14	$\psi(I_{I(1,0)+1})$
1,4,7,10,7,9,13,17,21	$\psi(I_{I(1,0)+\omega})$
1,4,7,10,7,9,13,17,21, 17,19,4,7,10,7,9,5	$\psi(I_{I(1,0)+\psi_{I(1,0)}(0)})$
1,4,7,10,7,9,13, 17,21,17,19,5	$\psi(I_{I(1,0) \cdot 2})$
1,4,7,10,7,9,13, 17,21,17,19,17	$\psi(I_{I(1,0) \cdot \omega})$
1,4,7,10,7,9,13, 17,21,17,19,18	$\psi(I_{I(1,0)^\omega})$
1,4,7,10,7,9,13, 17,21,17,19,22	$\psi(I_{\psi_{\Omega_{I(1,0)}+1}}(0))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,7,9, 13,17,21,17,20	$\psi(I_{\Omega_{I(1,0)+1}})$
1,4,7,10,7,9,13,17, 21,17,20,13,17,20,14	$\psi(I_{\psi_{I(1,0)+1}(0)})$
1,4,7,10,7,9,13,17,21, 17,20,13,17,20,17,20,14	$\psi(I_{I(1,0)+1})$
1,4,7,10,7,9,13, 17,21,17,20,13,17,21	$\psi(I_{I(1,0)+\omega})$
1,4,7,10,7,9,13,17,21,17, 20,13,17,21,17,19,22	$\psi(I_{\psi_{\Omega_{I(1,0)+1}(0)}}$
1,4,7,10,7,9,13,17,21, 17,20,13,17,21,17,20	$\psi(I_{\Omega_{I(1,0)+1}})$
1,4,7,10,7,9,13,17, 21,17,20,13,17,21,17, 20,13,17,21,17,20	$\psi(I_{I_{\Omega_{I(1,0)+1}}})$
1,4,7,10,7,9,13, 17,21,17,20,14	$\psi(\psi_{I(1,1)}(0))$ $\psi((1-)^{1,0} 2 1 - 2 \text{ aft } (2 1-)^2 2)$
1,4,7,10,7,9,13, 17,21,17,20,16,20	$\psi(\psi_{\Omega_{\psi_{I(1,1)}(0)+1}}(0))$
1,4,7,10,7,9,13,17,21, 17,20,16,21,26,30,22	$\psi(\psi_{I_{\psi_{I(1,1)}(0)+1}}(0))$
1,4,7,10,7,9,13,17,21, 17,20,16,21,26,30,26,30,22	$\psi(I_{\psi_{I(1,1)}(0)+1})$
1,4,7,10,7,9,13,17, 21,17,20,16,21,26,31	$\psi(I_{\psi_{I(1,1)}(0)+\omega})$
1,4,7,10,7,9,13,17,21, 17,20,16,21,26,31,26,30,22	$\psi(\psi_{I(1,1)}(1))$
1,4,7,10,7,9,13, 17,21,17,20,17	$\psi(\psi_{I(1,1)}(\omega))$
1,4,7,10,7,9,13, 17,21,17,20,17,20	$\psi(\psi_{I(1,1)}(\Omega_{\psi_{I(1,1)}(0)+1}))$
1,4,7,10,7,9,13, 17,21,17,20,17,20,14	$\psi(I(1, 1))$
1,4,7,10,7,9, 13,17,21,17,20,24	$\psi(\psi_{\Omega_{I(1,1)+1}}(0))$
1,4,7,10,7,9, 13,17,21,17,20,25	$\psi(\Omega_{I(1,1)+\omega})$
1,4,7,10,7,9,13,17, 21,17,20,25,30,34,26	$\psi(\psi_{I_{I(1,1)+1}}(0))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,7,9,13,17,21, 17,20,25,30,34,30,34,26	$\psi(I_{I(1,1)+1})$
1,4,7,10,7,9,13,17,21, 17,20,25,30,35,30,34	$\psi(I_{\Omega_{I(1,1)+1}})$
1,4,7,10,7,9,13,17,21, 17,20,25,30,35,30,34,26	$\psi(\psi_{I(1,2)}(0))$
1,4,7,10,7,9,13,17, 21,17,20,25,30,35, 30,34,30,34,26	$\psi(I(1, 2))$
1,4,7,10,7,10	$\psi(I(1, \omega))$
1,4,7,10,7,10,7	$\psi(I(1, \omega^2))$
1,4,7,10,7,10,7,9	$\psi(I(1, \Omega))$
1,4,7,10,7, 10,7,9,4,7,9,5	$\psi(I(1, \psi_I(0)))$
1,4,7,10,7,10,7,9,4, 7,9,13,17,21,17, 21,17,19,5	$\psi(I(1, I))$
1,4,7,10,7,10, 7,9,4,7,10	$\psi(I(1, I_\omega))$
1,4,7,10,7,10, 7,9,4,7,10,7,9,5	$\psi(I(1, \psi_{I(1,0)}(0)))$
1,4,7,10,7,10,7,9,4, 7,10,7,9,13,17,21, 17,21,17,19,5	$\psi(I(1, I(1, 0)))$
1,4,7,10,7,10,7, 9,4,7,10,7,10,7,9	$\psi(I(1, I(1, \Omega)))$
1,4,7,10,7,10,7,9,5	$\psi(\psi_{I(2,0)}(0))$
1,4,7,10,7,10,7,9,7	$\psi(\psi_{I(2,0)}(\omega))$
1,4,7,10,7,10,7,9,7,9,5	$\psi(I(2, 0))$
1,4,7,10,7,10,7,9,12	$\psi(\psi_{\Omega_{I(2,0)+1}}(0))$
1,4,7,10,7,10,7,9,12,15	$\psi(\Omega_{I(2,0)+1})$
1,4,7,10,7,10, 7,9,13,17,20,14	$\psi(\psi_{I_{I(2,0)+1}}(0))$
1,4,7,10,7,10,7, 9,13,17,20,17,20,14	$\psi(I_{I(2,0)+1})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,7,10,7, 9,13,17,21,17,20,14	$\psi(\psi_{I(1, I(2,0)+1)}(0))$
1,4,7,10,7,10,7,9,13, 17,21,17,20,17,20,14	$\psi(I(1, I(2,0) + 1))$
1,4,7,10,7,10,7,9,13, 17,21,17,21,17,20,14	$\psi(\psi_{I(2,1)}(0))$
1,4,7,10,7,10,7,9,13, 17,21,17,21,17,20,17,20,14	$\psi(I(2, 1))$
1,4,7,10,7,10,7,10	$\psi(I(2, \omega))$
1,4,7,10,7,10,7,10,7,9	$\psi(I(2, \Omega))$
1,4,7,10,7,10,7,10,7, 9,4,7,10,7,10,7,9,5	$\psi(I(2, \psi_{I(2,0)}(0)))$
1,4,7,10,7,10,7,10, 7,9,4,7,10,7,10,7,9,13, 17,21,17,21,17,21,17,19,5	$\psi(I(2, I(2, 0)))$
1,4,7,10,7,10, 7,10,7,9,5	$\psi(\psi_{I(3,0)}(0))$
1,4,7,10,7,10,7,10,7,10	$\psi(I(3, \omega))$
1,4,7,10,7,10, 7,10,7,10,7,10	$\psi(I(4, \omega))$
1,4,7,10,8	$\psi(I(\omega, 0))$
1,4,7,10,8,3	$\psi(I(\omega, 0) + 1)$
1,4,7,10,8,4,7,10,8	$\psi(I(\omega, 0) \cdot 2)$
1,4,7,10,8,6	$\psi(I(\omega, 0) \cdot \Omega)$
1,4,7,10,8,6,9	$\psi(\psi_{\Omega_{I(\omega,0)+1}}(0))$
1,4,7,10,8,6,10,14,17,11	$\psi(\psi_{I_{I(\omega,0)+1}}(0))$
1,4,7,10,8,6,10,14,18	$\psi(I_{I(\omega,0)+\omega})$
1,4,7,10,8,6,10, 14,18,14,17,14,17,11	$\psi(I(1, I(\omega, 0) + 1))$
1,4,7,10,8,6,10, 14,18,14,18,14,17,11	$\psi(I(2, I(\omega, 0) + 1))$
1,4,7,10,8,6,10,14,18,15	$\psi(I(\omega, 1))$
1,4,7,10,8,6,10,14, 18,15,13,18,23,28,24	$\psi(I(\omega, 2))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,8,7	$\psi(I(\omega, \omega))$
1,4,7,10,8,7,9	$\psi(I(\omega, \Omega))$
1,4,7,10,8, 7,9,4,7,10,8	$\psi(I(\omega, I(\omega, 0)))$
1,4,7,10,8,7,9,5	$\psi(\psi_{I(\omega+1,0)}(0))$
1,4,7,10,8,7,9,7,9,5	$\psi(I(\omega+1, 0))$ $\psi(\text{real.}(2 \cdot 1-)^{\omega} 2)$
1,4,7,10,8,7,10	$\psi(I(\omega+1, \omega))$
1,4,7,10,8,7, 10,7,9,7,9,5	$\psi(I(\omega+2, 0))$
1,4,7,10,8,7,10,8	$\psi(I(\omega \cdot 2, 0))$
1,4,7,10,8,8	$\psi(I(\omega^2, 0))$
1,4,7,10,8,9	$\psi(I(\omega^{\omega}, 0))$
1,4,7,10,9	$\psi(I(\Omega, 0))$
1,4,7,10,9,4, 7,9,13,17,21,19,5	$\psi(I(I, 0))$
1,4,7,10,9,4,7,10,9	$\psi(I(I(\Omega, 0), 0))$
1,4,7,10,9,5	$\psi(\psi_{I(1,0,0)}(0))$ $\psi((2 \cdot 1-)^{1,0} 2)$ $\psi(\psi_{\psi_M(M)}(0))$ TBO
1,4,7,10,9,6	$\psi(\psi_{I(1,0,0)}(0) \cdot \Omega)$
1,4,7,10,9,6,9	$\psi(\psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0))$
1,4,7,10,9,6,9,12	$\psi(\Omega_{\psi_{I(1,0,0)}(0)+1})$
1,4,7,10,9,6,10,14,17,11	$\psi(\psi_{I_{I(1,0,0)+1}}(0))$
1,4,7,10,9,6,10, 14,18,14,17,14,17,11	$\psi(I(1, \psi_{I(1,0,0)}(0) + 1))$
1,4,7,10,9,6,10,14,18,15	$\psi(I(\omega, \psi_{I(1,0,0)}(0) + 1))$
1,4,7,10,9,6,10,14,18,16	$\psi(I(\Omega, \psi_{I(1,0,0)}(0) + 1))$
1,4,7,10,9,6,10, 14,18,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,6,10, 14,18,16,4,7,10,9,6	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \psi_{I(1,0,0)}(0) \cdot \Omega)$
1,4,7,10,9,6,10, 14,18,16,4,7,10,9,6,9	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0))$
1,4,7,10,9,6,10, 14,18,16,4,7,10,9,6,10, 14,18,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(I(\psi_{I(1,0,0)}(0), 1)))$
1,4,7,10,9,6, 10,14,18,16,6	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(I(\psi_{I(1,0,0)}(0), 1)) \cdot \Omega)$
1,4,7,10,9,6, 10,14,18,16,9	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(I(\psi_{I(1,0,0)}(0), 1) + 1))$
1,4,7,10,9,6, 10,14,18,16,9,12	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \Omega_{\psi_{I(1,0,0)}(0)+1})$
1,4,7,10,9,6, 10,14,18,16,10	$\psi(I(\psi_{I(1,0,0)}(0), 1) + \Omega_{\psi_{I(1,0,0)}(0)+\omega})$
1,4,7,10,9,6,10,14,18, 16,10,14,17,14,17,11	$\psi(I(\psi_{I(1,0,0)}(0), 1) + I_{\psi_{I(1,0,0)}(0)+1})$
1,4,7,10,9,6,10, 14,18,16,10,14,18	$\psi(I(\psi_{I(1,0,0)}(0), 1) + I_{\psi_{I(1,0,0)}(0)+\omega})$
1,4,7,10,9,6,10,14,18, 16,10,14,18,14,17,14,17,11	$\psi(I(\psi_{I(1,0,0)}(0), 1) + I(1, \psi_{I(1,0,0)}(0) + 1))$
1,4,7,10,9,6,10, 14,18,16,10,14,18,15	$\psi(I(\psi_{I(1,0,0)}(0), 1) + I(\omega, \psi_{I(1,0,0)}(0) + 1))$
1,4,7,10,9,6,10, 14,18,16,10,14,18,16	$\psi(I(\psi_{I(1,0,0)}(0), 1) + I(\Omega, \psi_{I(1,0,0)}(0) + 1))$
1,4,7,10,9,6,10,14,18, 16,10,14,18,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot 2)$
1,4,7,10,9,6, 10,14,18,16,11	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \omega)$
1,4,7,10,9,6, 10,14,18,16,12	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \Omega)$
1,4,7,10,9,6,10,14, 18,16,12,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{I(1,0,0)}(0))$
1,4,7,10,9,6,10, 14,18,16,12,10,14, 18,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{I(1,0,0)}(0) + I(\psi_{I(1,0,0)}(0), 1))$
1,4,7,10,9,6,10, 14,18,16,12,10,14,18, 16,12,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{I(1,0,0)}(0) \cdot 2)$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,6,10,14,18, 16,12,12,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{I(1,0,0)}(0)^2)$
1,4,7,10,9,6,10, 14,18,16,12,15	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0))$
1,4,7,10,9,6,10,14, 18,16,12,16,20,24	$\psi(I(\psi_{I(1,0,0)}(0), 1) \cdot I_{\psi_{I(1,0,0)}(0)+\omega})$
1,4,7,10,9,6,10,14,18,16, 12,16,20,24,22,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1)^2)$
1,4,7,10,9,6,10,14, 18,16,12,16,20,24,22,14,18,16, 12,16,20,24,22,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 1)^3)$
1,4,7,10,9,6, 10,14,18,16,13	$\psi(\psi_{\Omega_{I(\psi_{I(1,0,0)}(0), 1)+1}}(0))$
1,4,7,10,9,6,10, 14,18,16,13,18	$\psi(\Omega_{I(\psi_{I(1,0,0)}(0), 1)+\omega})$
1,4,7,10,9,6,10, 14,18,16,13,18,23,28	$\psi(I_{I(\psi_{I(1,0,0)}(0), 1)+\omega})$
1,4,7,10,9,6,10,14, 18,16,13,18,23,28, 23,27,23,27,14	$\psi(I(1, I(\psi_{I(1,0,0)}(0), 1) + 1))$
1,4,7,10,9,6,10,14, 18,16,13,18,23,28,24	$\psi(I(\omega, I(\psi_{I(1,0,0)}(0), 1) + 1))$
1,4,7,10,9,6,10,14, 18,16,13,18,23,28,25	$\psi(I(\Omega, I(\psi_{I(1,0,0)}(0), 1) + 1))$
1,4,7,10,9,6,10,14, 18,16,13,18,23,28, 25,4,7,10,8	$\psi(I(I(\omega, 0), I(\psi_{I(1,0,0)}(0), 1) + 1))$
1,4,7,10,9,6,10,14, 18,16,13,18,23,28,25, 4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 2))$
1,4,7,10,9,6,10, 14,18,16,13,18,23,28,25,22, 28,34,40,36,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), 3))$
1,4,7,10,9,6, 10,14,18,16,14	$\psi(I(\psi_{I(1,0,0)}(0), \omega))$
1,4,7,10,9,6, 10,14,18,16,14,14	$\psi(I(\psi_{I(1,0,0)}(0), \omega^2))$
1,4,7,10,9,6,10, 14,18,16,14,16	$\psi(I(\psi_{I(1,0,0)}(0), \Omega))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,6,10,14,18, 16,14,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0)))$
1,4,7,10,9,6,10, 14,18,16,14,16,14	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0) + \omega))$
1,4,7,10,9,6,10, 14,18,16,14,16,14,16	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0) + \Omega))$
1,4,7,10,9,6,10,14, 18,16,14,16,14,16, 4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0) \cdot 2))$
1,4,7,10,9,6,10, 14,18,16,14,16,15	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0) \cdot \omega))$
1,4,7,10,9,6,10,14,18, 16,14,16,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0)^2))$
1,4,7,10,9,6,10, 14,18,16,14,16,17	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0)^\omega))$
1,4,7,10,9,6,10,14,18, 16,14,16,18,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I(1,0,0)}(0)^{\psi_{I(1,0,0)}(0)}))$
1,4,7,10,9,6,10, 14,18,16,14,16,19	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{\Omega_{\psi_{I(1,0,0)}(0)+1}}(0)))$
1,4,7,10,9,6,10, 14,18,16,14,17	$\psi(I(\psi_{I(1,0,0)}(0), \Omega_{\psi_{I(1,0,0)}(0)+1}))$
1,4,7,10,9,6,10,14,18, 16,14,17,10,14,17,11	$\psi(I(\psi_{I(1,0,0)}(0), \psi_{I_{\psi_{I(1,0,0)}(0)+1}}(0)))$
1,4,7,10,9,6,10,14,18, 16,14,17,10,14,18, 14,17,14,17,11	$\psi(I(\psi_{I(1,0,0)}(0), I(1, \psi_{I(1,0,0)}(0) + 1)))$
1,4,7,10,9,6,10,14, 18,16,14,17,10,14, 18,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), I(\psi_{I(1,0,0)}(0), 1)))$
1,4,7,10,9,6,10, 14,18,16,14,17,11	$\psi(\psi_{I(\psi_{I(1,0,0)}(0)+1,0)}(0))$
1,4,7,10,9,6,10,14, 18,16,14,17,14,17,11	$\psi(I(\psi_{I(1,0,0)}(0) + 1, 0))$
1,4,7,10,9,6,10,14, 18,16,14,17,14,17,11,10, 14,18,16,14,17,14,17,11	$\psi(I(\psi_{I(1,0,0)}(0) + 1, 0) \cdot 2)$
1,4,7,10,9,6,10,14, 18,16,14,17,14,17,13	$\psi(\psi_{\Omega_{I(\psi_{I(1,0,0)}(0)+1,0)+1}}(0))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,6,10, 14,18,16,14,17,14,17,13, 18,23,28,25,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0), I(\psi_{I(1,0,0)}(0) + 1, 0) + 1))$
1,4,7,10,9,6,10,14, 18,16,14,17,14,17,13, 18,23,28,25,23,26,19	$\psi(\psi_{I(\psi_{I(1,0,0)}(0)+1,1)}(0))$
1,4,7,10,9,6,10,14, 18,16,14,17,14,17,14	$\psi(I(\psi_{I(1,0,0)}(0) + 1, \omega))$
1,4,7,10,9,6,10, 14,18,16,14,17,14,17, 14,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0) + 1, \psi_{I(1,0,0)}(0)))$
1,4,7,10,9,6,10,14,18, 16,14,17,14,17,14,16,10,14, 18,16,14,17,14,17,14,16	$\psi(I(\psi_{I(1,0,0)}(0) + 1, I(\psi_{I(1,0,0)}(0) + 1, \Omega)))$
1,4,7,10,9,6,10,14,18, 16,14,17,14,17,14,17,11	$\psi(\psi_{I(\psi_{I(1,0,0)}(0)+2,0)}(0))$
1,4,7,10,9,6,10, 14,18,16,14,17,15	$\psi(I(\psi_{I(1,0,0)}(0) + \omega, 0))$
1,4,7,10,9,6,10, 14,18,16,14,17,16	$\psi(I(\psi_{I(1,0,0)}(0) + \Omega, 0))$
1,4,7,10,9,6,10,14,18, 16,14,17,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0) \cdot 2, 0))$
1,4,7,10,9,6, 10,14,18,16,15	$\psi(I(\psi_{I(1,0,0)}(0) \cdot \omega, 0))$
1,4,7,10,9,6,10,14, 18,16,16,4,7,10,9,5	$\psi(I(\psi_{I(1,0,0)}(0)^2, 0))$
1,4,7,10,9,6, 10,14,18,16,19	$\psi(I(\psi_{\Omega \psi_{I(1,0,0)}(0)+1}(0), 0))$
1,4,7,10,9,6,10,14,18,17	$\psi(I(\Omega \psi_{I(1,0,0)}(0)+1, 0))$
1,4,7,10,9,6,10, 14,18,17,10,14,17,11	$\psi(I(\psi_{I \psi_{I(1,0,0)}(0)+1}(0), 0))$
1,4,7,10,9,6,10,14,18, 17,10,14,18,14,17,14,17,11	$\psi(I(I(1, \psi_{I(1,0,0)}(0) + 1), 0))$
1,4,7,10,9,6,10,14,18, 17,10,14,18,16,4,7,10,9,5	$\psi(I(I(\psi_{I(1,0,0)}(0), 1), 0))$
1,4,7,10,9,6,10,14, 18,17,10,14,18,16, 14,17,14,17,11	$\psi(I(I(\psi_{I(1,0,0)}(0) + 1, 0), 0))$
1,4,7,10,9,6, 10,14,18,17,11	$\psi(\psi_{I(1,0,0)}(1))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,6,10,14, 18,17,13,18,23,28,14	$\psi(\psi_{I(1,0,0)}(2))$
1,4,7,10,9,7	$\psi(\psi_{I(1,0,0)}(\omega))$
1,4,7,10,9,7,9	$\psi(\psi_{I(1,0,0)}(\Omega))$
1,4,7,10,9,7, 9,4,7,10,9,7,9	$\psi(\psi_{I(1,0,0)}(\psi_{I(1,0,0)}(\Omega)))$
1,4,7,10,9,7,9,5	$\psi(I(1, 0, 0))$
1,4,7,10,9,7,9,5,3	$\psi(I(1, 0, 0) + 1)$
1,4,7,10,9,7,9, 5,4,7,10,7,9,7,9,5	$\psi(I(1, 0, 0) + I(1, 0))$
1,4,7,10,9,7,9, 5,4,7,10,9,7,9,5	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0)))$
1,4,7,10,9,7,9,6	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0)) \cdot \Omega)$
1,4,7,10,9,7,9,6,9	$\psi(I(1, 0, 0) + \psi_{\Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}}(0))$
1,4,7,10,9,7,9,6,9,12	$\psi(I(1, 0, 0) + \Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1})$
1,4,7,10,9,7, 9,6,10,14,17,11	$\psi(I(1, 0, 0) + \psi_{I_{\psi_{I(1,0,0)}(I(1,0,0))+1}}(0))$
1,4,7,10,9,7,9,6,10, 14,18,14,17,14,17,11	$\psi(I(1, 0, 0) + I(1, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1))$
1,4,7,10,9,7, 9,6,10,14,18,15	$\psi(I(1, 0, 0) + I(\omega, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1))$
1,4,7,10,9,7,9,6,10,14, 18,16,4,7,10,9,7,9,5	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), 1))$
1,4,7,10,9,7,9,6,10, 14,18,16,10,14,18, 16,4,7,10,9,5	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), 1) \cdot 2)$
1,4,7,10,9,7,9, 6,10,14,18,16,13	$\psi(I(1, 0, 0) + \psi_{\Omega_{I_{\psi_{I(1,0,0)}(I(1,0,0)),1)+1}}(0))$
1,4,7,10,9,7,9,6,10, 14,18,16,13,18,23,28	$\psi(I(1, 0, 0) + I_{I_{\psi_{I(1,0,0)}(I(1,0,0)),1)+\omega})$
1,4,7,10,9,7,9, 6,10,14,18,16,13,18, 23,28,23,27,23,27,14	$\psi(I(1, 0, 0) + I(1, I_{\psi_{I(1,0,0)}(I(1, 0, 0)), 1} + 1))$
1,4,7,10,9,7,9,6,10, 14,18,16,13,18,23,28,24	$\psi(I(1, 0, 0) + I(\omega, I_{\psi_{I(1,0,0)}(I(1, 0, 0)), 1} + 1))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,7,9,6, 10,14,18,16,13,18,23, 28,25,4,7,10,9,7,9,5	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), 2))$
1,4,7,10,9,7,9, 6,10,14,18,16,14	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)), \omega))$
1,4,7,10,9,7,9,6,10, 14,18,16,14,16,4, 7,10,9,7,9,5	$\psi(I(1, 0, 0) +$ $I(\psi_{I(1,0,0)}(I(1, 0, 0)), \psi_{I(1,0,0)}(I(1, 0, 0))))$
1,4,7,10,9,7,9,6, 10,14,18,16,14,16,19	$\psi(I(1, 0, 0) +$ $I(\psi_{I(1,0,0)}(I(1, 0, 0)), \psi_{\Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}}(0)))$
1,4,7,10,9,7,9,6, 10,14,18,16,14,17	$\psi(I(1, 0, 0) +$ $I(\psi_{I(1,0,0)}(I(1, 0, 0)), \Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}))$
1,4,7,10,9,7,9,6, 10,14,18,16,14,17,10, 14,18,14,17,14,17,11	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}$ $(I(1, 0, 0)), I(1, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1)))$
1,4,7,10,9,7,9,6,10,14, 18,16,14,17,10,14,18,16	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}$ $(I(1, 0, 0)), I(\Omega, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1)))$
1,4,7,10,9,7,9,6, 10,14,18,16,14,17,10,14, 18,16,4,7,10,9,7,9,5	$\psi(I(1, 0, 0) +$ $I(\psi_{I(1,0,0)}(I(1, 0, 0)), I(\psi_{I(1,0,0)}(I(1, 0, 0)), 1)))$
1,4,7,10,9,7,9,6, 10,14,18,16,14,17,11	$\psi(I(1, 0, 0) + \psi_{I(\psi_{I(1,0,0)}(I(1,0,0))+1,0)}(0))$
1,4,7,10,9,7,9,6, 10,14,18,16,14,17,15	$\psi(I(1, 0, 0) + I(\psi_{I(1,0,0)}(I(1, 0, 0)) + \omega, 0))$
1,4,7,10,9,7,9, 6,10,14,18,17	$\psi(I(1, 0, 0) + I(\Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}, 0))$
1,4,7,10,9,7,9,6,10, 14,18,17,10,14,18,15	$\psi(I(1, 0, 0) + I(I(\omega, \psi_{I(1,0,0)}(I(1, 0, 0)) + 1), 0))$
1,4,7,10,9,7,9,6,10, 14,18,17,10,14,18,17	$\psi(I(1, 0, 0) + I(I(\Omega_{\psi_{I(1,0,0)}(I(1,0,0))+1}, 0), 0))$
1,4,7,10,9,7,9, 6,10,14,18,17,11	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0) + 1))$
1,4,7,10,9,7,9, 6,10,14,18,17,14	$\psi(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0) + \omega))$
1,4,7,10,9,7,9,6, 10,14,18,17,14,16, 4,7,10,9,7,9,5	$\psi(I(1, 0, 0) +$ $\psi_{I(1,0,0)}(I(1, 0, 0) + \psi_{I(1,0,0)}(I(1, 0, 0))))$
1,4,7,10,9,7,9,6, 10,14,18,17,14,17,11	$\psi(I(1, 0, 0) \cdot 2)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,7,9,7	$\psi(I(1, 0, 0) \cdot \omega)$
1,4,7,10,9,7,9,7,7	$\psi(I(1, 0, 0) \cdot \omega^2)$
1,4,7,10,9,7,9, 7,9,4,7,10,9,7,9,5	$\psi(I(1, 0, 0) \cdot \psi_{I(1,0,0)}(I(1, 0, 0)))$
1,4,7,10,9,7,9,7,9,5	$\psi(I(1, 0, 0)^2)$
1,4,7,10,9,7,9,8	$\psi(I(1, 0, 0)^\omega)$
1,4,7,10,9,7,9,12	$\psi(\psi_{\Omega_{I(1,0,0)+1}}(0))$
1,4,7,10,9,7,9,12,15	$\psi(\Omega_{I(1,0,0)+1})$
1,4,7,10,9,7, 9,13,17,20,14	$\psi(\psi_{I_{I(1,0,0)+1}}(0))$
1,4,7,10,9,7,9,13,17,21	$\psi(I_{I(1,0,0)+\omega})$
1,4,7,10,9,7,9,13, 17,21,17,20,17,20,14	$\psi(I(1, I(1, 0, 0) + 1))$
1,4,7,10,9,7, 9,13,17,21,18	$\psi(I(\omega, I(1, 0, 0) + 1))$
1,4,7,10,9,7,9,13,17, 21,19,4,7,10,9,7,9,5	$\psi(I(\psi_{I(1,0,0)}(I(1, 0, 0)), I(1, 0, 0) + 1))$
1,4,7,10,9,7,9,13, 17,21,19,4,7,10,9,7,9, 13,17,21,17,20,17,20,14	$\psi(I(I(1, I(1, 0, 0) + 1), I(1, 0, 0) + 1))$
1,4,7,10,9,7,9,13, 17,21,19,4,7,10,9, 7,9,13,17,21,19	$\psi(I(\psi_{I(1,0,0)}(I(\Omega, I(1, 0, 0) + 1)), I(1, 0, 0) + 1))$
1,4,7,10,9,7, 9,13,17,21,19,5	$\psi(I(I(1, 0, 0), 1))$
1,4,7,10,9,7,9, 13,17,21,19,5,4,7,10, 9,7,9,13,17,21,19,5	$\psi(I(I(1, 0, 0), 1) + \psi_{I(1,0,0)}(I(I(1, 0, 0), 1)))$
1,4,7,10,9,7,9, 13,17,21,19,6	$\psi(I(I(1, 0, 0), 1) + \psi_{I(1,0,0)}(I(I(1, 0, 0), 1)) \cdot \Omega)$
1,4,7,10,9,7,9, 13,17,21,19,6,9	$\psi(I(I(1, 0, 0), 1) + \psi_{\Omega_{\psi_{I(1,0,0)}(I(I(1,0,0),1))+1}}(0))$
1,4,7,10,9,7,9,13, 17,21,19,6,10,14,18	$\psi(I(I(1, 0, 0), 1) + I_{I(I(1,0,0),1)+\omega})$
1,4,7,10,9,7,9,13,17,21, 19,6,10,14,18,17,11	$\psi(I(I(1, 0, 0), 1) + \psi_{I(1,0,0)}(I(I(1, 0, 0), 1) + 1))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,7,9,13,17,21, 19,6,10,14,18,17,14,17,11	$\psi(I(I(1, 0, 0), 1) + I(1, 0, 0))$
1,4,7,10,9,7,9, 13,17,21,19,6,10,14,18, 17,14,17,22,27,32,30,11	$\psi(I(I(1, 0, 0), 1) \cdot 2)$
1,4,7,10,9,7, 9,13,17,21,19,7	$\psi(I(I(1, 0, 0), 1) \cdot \omega)$
1,4,7,10,9,7,9, 13,17,21,19,7,9,5	$\psi(I(I(1, 0, 0), 1) \cdot I(1, 0, 0))$
1,4,7,10,9,7,9,13,17,21, 19,7,9,13,17,21,19,5	$\psi(I(I(1, 0, 0), 1)^2)$
1,4,7,10,9,7,9, 13,17,21,19,8	$\psi(I(I(1, 0, 0), 1)^\omega)$
1,4,7,10,9,7,9, 13,17,21,19,12	$\psi(\psi_{\Omega_{I(I(1, 0, 0), 1)+1}}(0))$
1,4,7,10,9,7,9, 13,17,21,19,12,15	$\psi(\Omega_{I(I(1, 0, 0), 1)+1})$
1,4,7,10,9,7,9,13, 17,21,19,13,17,20,14	$\psi(\psi_{I_{I(I(1, 0, 0), 1)+1}}(0))$
1,4,7,10,9,7,9, 13,17,21,19,13,17,21	$\psi(I_{I(I(1, 0, 0), 1)+\omega})$
1,4,7,10,9,7,9,13,17, 21,19,13,17,21,17, 19,17,19,5	$\psi(I(1, I(I(1, 0, 0), 1) + 1))$
1,4,7,10,9,7,9,13, 17,21,19,13,17,21,19	$\psi(I(\Omega, I(I(1, 0, 0), 1) + 1))$
1,4,7,10,9,7,9, 13,17,21,19,13,17,21,19,4,7, 10,9,7,9,13,17, 21,19,13,17,21,19	$\psi(I(\psi_{I(1, 0, 0)}(I(\Omega, I(I(1, 0, 0), 1) + 1)),I(I(1, 0, 0), 1) + 1))$
1,4,7,10,9,7,9,13,17, 21,19,13,17,21,19,5	$\psi(I(I(1, 0, 0), 2))$
1,4,7,10,9,7,9, 13,17,21,19,14	$\psi(I(I(1, 0, 0), \omega))$
1,4,7,10,9,7,9, 13,17,21,19,15	$\psi(I(I(1, 0, 0), \Omega))$
1,4,7,10,9,7,9, 13,17,21,19,15,5	$\psi(\psi_{I(I(1, 0, 0)+1, 0)}(0))$
1,4,7,10,9,7,9, 13,17,21,19,17	$\psi(\psi_{I(I(1, 0, 0)+1, 0)}(\omega))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,7,9, 13,17,21,19,17,19,5	$\psi(I(I(1, 0, 0) + 1, 0))$
1,4,7,10,9,7,9,13, 17,21,19,17,21,17,19,5	$\psi(I(I(1, 0, 0) + 2, 0))$
1,4,7,10,9,7,9, 13,17,21,19,17,21,18	$\psi(I(I(1, 0, 0) + \omega, 0))$
1,4,7,10,9,7,9, 13,17,21,19,17,21,19,5	$\psi(I(I(1, 0, 0) \cdot 2, 0))$
1,4,7,10,9,7,9, 13,17,21,19,19,5	$\psi(I(I(1, 0, 0)^2, 0))$
1,4,7,10,9,7,9, 13,17,21,19,22	$\psi(I(\psi_{\Omega_{I(1,0,0)+1}}(0), 1))$
1,4,7,10,9,7, 9,13,17,21,20	$\psi(I(\Omega_{I(1,0,0)+1}, 0))$
1,4,7,10,9,7,9,13, 17,21,20,13,17,21,20	$\psi(I(I(\Omega_{I(1,0,0)+1}, 0), 0))$
1,4,7,10,9,7, 9,13,17,21,20,14	$\psi(\psi_{I(1,0,1)}(0))$
1,4,7,10,9,7,9,13,17, 21,20,17,20,25,30,35,34,26	$\psi(\psi_{I(1,0,2)}(0))$
1,4,7,10,9,7,10	$\psi(I(1, 0, \omega))$
1,4,7,10,9,7,10,7,9,5	$\psi(\psi_{I(1,1,0)}(0))$
1,4,7,10,9, 7,10,7,9,7,9,5	$\psi(I(1, 1, 0))$
1,4,7,10,9,7,10,7,10	$\psi(I(1, 1, \omega))$
1,4,7,10,9,7,10,8	$\psi(I(1, \omega, 0))$
1,4,7,10,9,7,10,9	$\psi(I(1, \Omega, 0))$
1,4,7,10,9,7,10,9,5	$\psi(\psi_{I(2,0,0)}(0))$
1,4,7,10,9, 7,10,9,7,9,5	$\psi(I(2, 0, 0))$
1,4,7,10,9,7,10,9,7, 9,13,17,21,20,17,21,20,14	$\psi(\psi_{I(2,0,1)}(0))$
1,4,7,10,9,7,10,9,7,10	$\psi(I(2, 0, \omega))$
1,4,7,10,9,7, 10,9,7,10,7,10	$\psi(I(2, 1, \omega))$
1,4,7,10,9,7, 10,9,7,10,8	$\psi(I(2, \omega, 0))$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,7, 10,9,7,10,9	$\psi(I(2, \Omega, 0))$
1,4,7,10,9,7, 10,9,7,10,9,7,9,5	$\psi(I(3, 0, 0))$
1,4,7,10,9,8	$\psi(I(\omega, 0, 0))$
1,4,7,10,9,9	$\psi(I(\Omega, 0, 0))$
1,4,7,10,9,9,7,9,5	$\psi(I(1, 0, 0, 0))$
1,4,7,10,9,9,7,10	$\psi(I(1, 0, 0, \omega))$
1,4,7,10,9,9, 7,10,7,9,5	$\psi(I(1, 0, 1, 0))$
1,4,7,10,9,9,7,10,8	$\psi(I(1, 0, \omega, 0))$
1,4,7,10,9, 9,7,10,9,7,9,5	$\psi(I(1, 1, 0, 0))$
1,4,7,10,9,9, 7,10,9,9,7,9,5	$\psi(I(2, 0, 0, 0))$
1,4,7,10,9,9,8	$\psi(I(\omega, 0, 0, 0))$
1,4,7,10,9,9,9	$\psi(I(\Omega, 0, 0, 0))$
1,4,7,10,9,9,9,7,9,5	$\psi(I(1, 0, 0, 0, 0))$
1,4,7,10,9, 9,9,9,7,9,5	$\psi(I(1, 0, 0, 0, 0, 0))$
1,4,7,10,9,10	$\psi(I(1@ \omega))$ $\psi(M^{M^\omega})$
1,4,7,10,9,10,7	$\psi(I(1@ \omega, \omega@ 0))$ $\psi(M^{M^\omega} \cdot \omega)$
1,4,7,10,9,10,7,9,5	$\psi(\psi_{I(1@ \omega, 1@ 1)}(0))$
1,4,7,10,9,10,7,10	$\psi(I(1@ \omega, 1@ 1, \omega@ 0))$
1,4,7,10,9,10,7,10,9,10	$\psi(I(2@ \omega))$
1,4,7,10,9,10,9	$\psi(I(\Omega@ \omega))$
1,4,7,10,9,10,9,7,9,5	$\psi(I(1@ \omega + 1))$
1,4,7,10,9,11	$\psi(I(1@ \Omega))$
1,4,7,10,9,11,5	$\psi(\psi_{I(1@ (1, 0))}(0))$ $\psi(M^{M^{\psi_{\psi_M(M^{M^M})}^{(0)}}})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,11,7,9,5	$\psi(I(1@ (1, 0)))$ $\psi(M^{M^M})$
1,4,7,10,9,11,7,10	$\psi(I(1@ (1, 0), \omega @ 0))$ $\psi(M^{M^M} \cdot \omega)$
1,4,7,10,9, 11,7,10,7,9,5	$\psi(\psi_{I(1@ (1, 0), 1@ 1)}(0))$ $\psi(M^{M^M} \cdot \psi_{\psi_M(M^{M^M+1})}(0))$
1,4,7,10,9,11, 7,10,7,9,7,9,5	$\psi(I(1@ (1, 0), 1@ 1))$ $\psi(M^{M^M+1})$
1,4,7,10,9,11,7,10,8	$\psi(I(1@ (1, 0), \omega @ 1))$ $\psi(M^{M^M+\omega})$
1,4,7,10,9,11,7,10,9,10	$\psi(I(1@ (1, 0), 1@ \omega))$ $\psi(M^{M^M+M^\omega})$
1,4,7,10,9,11,7,10,9,11	$\psi(I(1@ (1, 0), 1@ \Omega))$ $\psi(M^{M^M+M^\Omega})$
1,4,7,10,9,11, 7,10,9,11,7,9,5	$\psi(I(2@ (1, 0)))$ $\psi(M^{M^M \cdot 2})$
1,4,7,10,9,11,8	$\psi(I(\omega @ (1, 0)))$ $\psi(M^{M^M \cdot \omega})$
1,4,7,10,9,11,9	$\psi(I(\Omega @ (1, 0)))$ $\psi(M^{M^M \cdot \Omega})$
1,4,7,10,9,11,9,7,9,5	$\psi(I(1@ (1, 1)))$ $\psi(M^{M^{M+1}})$
1,4,7,10,9, 11,9,9,7,9,5	$\psi(I(1@ (1, 2)))$
1,4,7,10,9,11,9,10	$\psi(I(1@ (1, \omega)))$
1,4,7,10,9,11,9,11,7,9,5	$\psi(I(1@ (2, 0)))$ $\psi(M^{M^{M \cdot 2}})$
1,4,7,10,9,11,10	$\psi(I(1@ (\omega, 0)))$ $\psi(M^{M^{M \cdot \omega}})$
1,4,7,10,9,11,11	$\psi(I(1@ (\Omega, 0)))$
1,4,7,10,9,11,11,7,9,5	$\psi(I(1@ (1, 0, 0)))$ $\psi(M^{M^{M^2}})$
1,4,7,10,9,11, 11,9,7,9,5	$\psi(I(1@ (1, 0, 1)))$
1,4,7,10,9,11, 11,9,11,7,9,5	$\psi(I(1@ (1, 1, 0)))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,11, 11,9,11,11,7,9,5	$\psi(I(1@ (2, 0, 0)))$
1,4,7,10,9,11,11,11	$\psi(I(1@ (\Omega, 0, 0)))$
1,4,7,10,9, 11,11,11,7,9,5	$\psi(I(1@ (1, 0, 0, 0)))$
1,4,7,10,9,11,12	$\psi(I(1@ (1@ \omega)))$ $\psi(M^{M^{\omega}})$
1,4,7,10,9, 11,13,7,9,5	$\psi(I(1@ (1@ (1, 0))))$ $\psi(M^{M^{M^M}})$
1,4,7,10,9,11, 13,15,7,9,5	$\psi(I(1@ (1@ (1@ (1, 0))))))$ $\psi(M^{M^{M^{M^M}}})$
1,4,7,10,9,12	$\psi(\psi_{\Omega_{M+1}}(0))$
1,4,7,10,9,12,3	$\psi(\psi_{\Omega_{M+1}}(0) + 1)$
1,4,7,10,9,12,4	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\omega))$
1,4,7,10,9,12,4,7,10	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(M \cdot \omega))$ $\psi(\psi_{\Omega_{M+1}}(0) + I_\omega)$
1,4,7,10,9, 12,4,7,10,9,12	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0)))$
1,4,7,10,9,12,6	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0)) \cdot \Omega)$
1,4,7,10,9, 12,6,4,7,10,9,12	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0))^2)$
1,4,7,10,9,12,6,9	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_{\Omega_{\psi_M(\psi_{\Omega_{M+1}}(0))+1}}(0))$
1,4,7,10,9,12,6,9,12	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + 1))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\psi_M(\psi_{\Omega_{M+1}}(0))+1})$
1,4,7,10,9,12,6,10	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + \omega))$
1,4,7,10,9, 12,6,10,14,16	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) + \Omega))$
1,4,7,10,9,12, 6,10,14,16,4,7,10,9,12	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) +$ $\psi_M(\psi_{\Omega_{M+1}}(0))))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\psi_M(\psi_{\Omega_{M+1}}(0)) \cdot 2})$
1,4,7,10,9,12,6,10,14,17	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_M(\psi_{\Omega_{M+1}}(0) +$ $\psi_M(\psi_{\Omega_{M+1}}(0) + 1)))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\Omega_{\psi_M(\psi_{\Omega_{M+1}}(0))+1}})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9, 12,6,10,14,17,11	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_{\psi_M(\psi_{\Omega_{M+1}}(0)+M)}(0)) +$ $\psi(\psi_{\Omega_{M+1}}(0) + \psi_{I_{\psi_M(\psi_{\Omega_{M+1}}(0))+1}}(0))$
1,4,7,10,9,12,6,10, 14,17,11,4,7,10,9,12	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_{\psi_M(\psi_{\Omega_{M+1}}(0)+M)}(0) + \psi_M(\psi_{\Omega_{M+1}}(0)))$
1,4,7,10,9,12,6, 10,14,17,11,9,12	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_{\psi_M(\psi_{\Omega_{M+1}}(0)+M)}(0) +$ $\psi_M(\psi_{\Omega_{M+1}}(0) + \psi_{\psi_M(\psi_{\Omega_{M+1}}(0)+M)}(0) + 1))$ $\psi(\psi_{\Omega_{M+1}}(0) + \Omega_{\psi_{I_{\psi_M(\psi_{\Omega_{M+1}}(0))+1}}(0)+1})$
1,4,7,10,9,12,6,10, 14,17,13,18,23,27,19	$\psi(\psi_{\Omega_{M+1}}(0) + \psi_{\psi_M(\psi_{\Omega_{M+1}}(0)+M)}(1))$ $\psi(\psi_{\Omega_{M+1}}(0) + \psi_{I_{\psi_M(\psi_{\Omega_{M+1}}(0))+1}}(1))$
1,4,7,10,9,12,6, 10,14,17,14,17,11	$\psi(\psi_{\Omega_{M+1}}(0) + M)$ $\psi(\psi_{\Omega_{M+1}}(0) + I_{\psi_M(\psi_{\Omega_{M+1}}(0))+1})$
1,4,7,10,9,12,6,10,14,18	$\psi(\psi_{\Omega_{M+1}}(0) + M \cdot \omega)$
1,4,7,10,9,12,6,10, 14,18,14,17,14,17,11	$\psi(\psi_{\Omega_{M+1}}(0) + I(1, \psi_M(\psi_{\Omega_{M+1}}(0)) + 1))$
1,4,7,10,9,12,6,10, 14,18,17,14,17,11	$\psi(\psi_{\Omega_{M+1}}(0) + M^M)$ $\psi(\psi_{\Omega_{M+1}}(0) + I(1, 0, \psi_M(\psi_{\Omega_{M+1}}(0)) + 1))$
1,4,7,10,9,12,6, 10,14,18,17,18	$\psi(\psi_{\Omega_{M+1}}(0) + M^{M^\omega})$
1,4,7,10,9,12,6,10, 14,18,17,19,14,17,11	$\psi(\psi_{\Omega_{M+1}}(0) + M^{M^M})$
1,4,7,10,9,12,6, 10,14,18,17,21	$\psi(\psi_{\Omega_{M+1}}(0) \cdot 2)$
1,4,7,10,9,12,7	$\psi(\psi_{\Omega_{M+1}}(0) \cdot \omega)$
1,4,7,10,9,12,7,9	$\psi(\psi_{\Omega_{M+1}}(0) \cdot \Omega)$
1,4,7,10,9,12,7, 9,4,7,10,9,12	$\psi(\psi_{\Omega_{M+1}}(0) \cdot \psi_M(\psi_{\Omega_{M+1}}(0)))$
1,4,7,10,9,12,7,9,5	$\psi(\psi_{\Omega_{M+1}}(0) \cdot \psi_{\psi_M(\psi_{\Omega_{M+1}}(0) \cdot M)}(0))$
1,4,7,10,9,12, 7,9,7,9,5	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M)$
1,4,7,10,9,12,7,10	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M \cdot \omega)$
1,4,7,10,9,12, 7,10,7,9,7,9,5	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M^2)$
1,4,7,10,9,12, 7,10,9,7,9,5	$\psi(\psi_{\Omega_{M+1}}(0) \cdot M^M)$
1,4,7,10,9,12,7,10,9,12	$\psi(\psi_{\Omega_{M+1}}(0)^2)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,12,8	$\psi(\psi_{\Omega_{M+1}}(0)^\omega)$
1,4,7,10,9,12,9	$\psi(\psi_{\Omega_{M+1}}(0)^\Omega)$
1,4,7,10,9,12,9,5	$\psi(\psi_{\Omega_{M+1}}(0)^{\psi_{\psi_M(\psi_{\Omega_{M+1}}(0)^M)}(0)})$
1,4,7,10,9,12,9,7,9,5	$\psi(\psi_{\Omega_{M+1}}(0)^M)$
1,4,7,10,9,12,9,12	$\psi(\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)})$
1,4,7,10,9,12,10	$\psi(\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)^\omega})$
1,4,7,10,9,12,11	$\psi(\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)^\Omega})$
1,4,7,10,9,12,11,14	$\psi(\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)^{\psi_{\Omega_{M+1}}(0)}})$
1,4,7,10,9,12,12	$\psi(\psi_{\Omega_{M+1}}(1))$
1,4,7,10,9,12,13	$\psi(\psi_{\Omega_{M+1}}(\omega))$
1,4,7,10,9,12,14	$\psi(\psi_{\Omega_{M+1}}(\Omega))$
1,4,7,10,9, 12,14,4,7,10,9,12	$\psi(\psi_{\Omega_{M+1}}(\psi_M(\psi_{\Omega_{M+1}}(0))))$
1,4,7,10,9,12, 14,4,7,10,9,12,14	$\psi(\psi_{\Omega_{M+1}}(\psi_M(\psi_{\Omega_{M+1}}(\Omega))))$
1,4,7,10,9,12,14,5	$\psi(\psi_{\Omega_{M+1}}(\psi_{\psi_M(\psi_{\Omega_{M+1}}(M))}(0)))$
1,4,7,10,9,12,14,7,9,5	$\psi(\psi_{\Omega_{M+1}}(M))$
1,4,7,10,9,12,14,17	$\psi(\psi_{\Omega_{M+1}}(\psi_{\Omega_{M+1}}(0)))$
1,4,7,10,9,12,15	$\psi(\Omega_{M+1})$ $\psi(\psi_{M_2}(0))$ $\psi(2 \text{ aft } 2 - 2)$
1,4,7,10,9,13	$\psi(\Omega_{M+\omega})$ $\psi(\psi_{M_2}(\omega))$
1,4,7,10,9,13,17,19	$\psi(\Omega_{M+\Omega})$ $\psi(\psi_{M_2}(\Omega))$
1,4,7,10,9,13, 17,19,4,7,10,9,12	$\psi(\Omega_{M+\psi_M(\psi_{\Omega_{M+1}}(0))})$
1,4,7,10,9,13, 17,19,4,7,10,9,12,15	$\psi(\Omega_{M+\psi_M(\Omega_{M+1})})$ $\psi(\psi_{M_2}(\psi_M(\psi_{M_2}(0))))$
1,4,7,10,9,13,17,19,5	$\psi(\Omega_{M+\psi_{\psi_M(\Omega_{M-2})}(0)})$ $\psi(\psi_{M_2}(\psi_{\psi_M(\psi_{M_2}(M))}(0)))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,13, 17,19,7,9,5	$\psi(\Omega_{M \cdot 2})$ $\psi(\psi_{M_2}(M))$
1,4,7,10,9,13,17,19,22	$\psi(\Omega_{\psi_{\Omega_{M+1}}(0)})$ $\psi(\psi_{M_2}(\psi_{\Omega_{M+1}}(0)))$
1,4,7,10,9,13,17,20	$\psi(\Omega_{\Omega_{M+1}})$ $\psi(\psi_{M_2}(\psi_{M_2}(0)))$
1,4,7,10,9,13,17,20,14	$\psi(\psi_{I_{M+1}}(0))$ $\psi(\psi_{\psi_{M_2}(M_2)}(0))$
1,4,7,10,9,13, 17,20,17,20,14	$\psi(I_{M+1})$ $\psi(\psi_{M_2}(M_2))$ $\psi(M_2)$
1,4,7,10,9,13,17,21	$\psi(I_{M+\omega})$ $\psi(M_2 \cdot \omega)$
1,4,7,10,9,13,17,21,17,19	$\psi(I_{M+\Omega})$
1,4,7,10,9,13, 17,21,17,19,7,9,5	$\psi(I_{M \cdot 2})$ $\psi(M_2 \cdot M)$
1,4,7,10,9,13,17,21,17,20	$\psi(I_{\Omega_{M+1}})$ $\psi(M_2 \cdot \psi_{M_2}(0))$
1,4,7,10,9,13, 17,21,17,20,14	$\psi(\psi_{I(1, M+1)}(0))$ $\psi(M_2 \cdot \psi_{\psi_{M_2}(M_2^2)}(0))$
1,4,7,10,9,13,17, 21,17,20,17,20,14	$\psi(I(1, M+1))$ $\psi(M_2^2)$
1,4,7,10,9,13,17,21,18	$\psi(I(\omega, M+1))$ $\psi(M_2^\omega)$
1,4,7,10,9,13,17,21,19	$\psi(I(\Omega, M+1))$ $\psi(M_2^\Omega)$
1,4,7,10,9,13,17,21,20	$\psi(I(\Omega_{M+1}, M+1))$ $\psi(M_2^{\psi_{M_2}(0)})$
1,4,7,10,9,13,17,21,20,14	$\psi(\psi_{I(1,0, M+1)}(0))$ $\psi(M_2^{\psi_{\psi_{M_2}(M_2^{M_2})}(0)})$
1,4,7,10,9,13,17, 21,20,17,20,14	$\psi(I(1, 0, M+1))$ $\psi(M_2^{M_2})$
1,4,7,10,9,13,17,21,20,21	$\psi(I(1 \oplus \omega, M+1 \oplus 0))$ $\psi(M_2^{M_2^\omega})$
1,4,7,10,9,13,17, 21,20,22,14	$\psi(I(1 \oplus (1, 0), M+1 \oplus 0))$ $\psi(M_2^{M_2^{M_2}})$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,9,13,17,21,20,24	$\psi(\psi_{\Omega_{M_2+1}}(0))$
1,4,7,10,9,13, 17,21,20,24,24	$\psi(\psi_{\Omega_{M_2+1}}(1))$
1,4,7,10,9,13, 17,21,20,24,28	$\psi(\Omega_{M_2+1})$ $\psi(\psi_{M_3}(0))$
1,4,7,10,9,13,17,21,20,25	$\psi(\Omega_{M_2+\omega})$ $\psi(\psi_{M_3}(\omega))$
1,4,7,10,9,13, 17,21,20,25,30,34,26	$\psi(\psi_{I_{M_2+1}}(0))$ $\psi(\psi_{\psi_{M_3}(M_3)}(0))$
1,4,7,10,9,13,17,21, 20,25,30,34,30,34,26	$\psi(I_{M_2+1})$ $\psi(M_3)$
1,4,7,10,9,13, 17,21,20,25,30,35	$\psi(I_{M_2+\omega})$ $\psi(M_3 \cdot \omega)$
1,4,7,10,9,13,17,21,20, 25,30,35,30,34,30,34,26	$\psi(I(1, M_2 + 1))$ $\psi(M_3^2)$
1,4,7,10,9,13,17,21,20, 25,30,35,34,30,34,26	$\psi(I(1, 0, M_2 + 1))$ $\psi(M_3^{M_3})$
1,4,7,10,9,13,17,21,20, 25,30,35,34,36,30,34,26	$\psi(I(1@1, 0), M_2 + 1@0))$ $\psi(M_3^{M_3})$
1,4,7,10,9,13,17,21, 20,25,30,35,34,39	$\psi(\psi_{\Omega_{M_3+1}}(0))$
1,4,7,10,9,13,17,21,20, 25,30,35,34,39,44	$\psi(\Omega_{M_3+1})$ $\psi(M_4)$
1,4,7,10,9,13,17,21, 20,25,30,35,34,40, 46,52,51,57,63	$\psi(\Omega_{M_4+1})$ $\psi(M_5)$
1,4,7,10,10	$\psi(M_\omega)$ $\psi(1 - 2 - 2)$ SMO
1,4,7,10,10,4,7,10,4	$\psi(M_\omega + I_\omega + \Omega_\omega)$
1,4,7,10,10,4, 7,10,9,13,17,21,21	$\psi(M_\omega + \psi_M(M_\omega))$
1,4,7,10,10,4,7,10,10	$\psi(M_\omega \cdot 2)$
1,4,7,10,10,6	$\psi(M_\omega \cdot \Omega)$
1,4,7,10,10,6,4,7,10,10	$\psi(M_\omega^2)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,6,7	$\psi(M_\omega^\omega)$
1,4,7,10,10, 6,8,4,7,10,10	$\psi(M_\omega^{M_\omega})$
1,4,7,10,10,6,9	$\psi(\psi_{\Omega_{M_\omega+1}}(0))$
1,4,7,10,10,6,9,12	$\psi(\Omega_{M_\omega+1})$ $\psi(\psi_{M_\omega+1}(0))$
1,4,7,10,10,6,10,14,17,11	$\psi(\psi_{I_{M_\omega+1}}(0))$ $\psi(\psi_{\psi_{M_\omega+1}(M_\omega+1)}(0))$
1,4,7,10,10,6, 10,14,17,14,17,11	$\psi(I_{M_\omega+1})$ $\psi(M_{\omega+1})$
1,4,7,10,10,6,10,14,18	$\psi(I_{M_\omega+\omega})$ $\psi(M_{\omega+1} \cdot \omega)$
1,4,7,10,10,6, 10,14,18,17,14,17,11	$\psi(I(1, 0, M_\omega + 1))$ $\psi(M_{\omega+1}^{M_{\omega+1}})$
1,4,7,10,10,6, 10,14,18,17,21	$\psi(\psi_{\Omega_{M_\omega+1}+1}(0))$
1,4,7,10,10,6, 10,14,18,17,21,25	$\psi(\Omega_{M_\omega+1}+1)$ $\psi(\psi_{M_\omega+2}(0))$
1,4,7,10,10,6,10, 14,18,17,22,27,31,23	$\psi(\psi_{I_{M_\omega+1}+1}(0))$ $\psi(\psi_{\psi_{M_\omega+2}(M_\omega+2)}(0))$
1,4,7,10,10,6,10,14,18, 17,22,27,31,27,31,23	$\psi(I_{M_\omega+1}+1)$ $\psi(M_{\omega+2})$
1,4,7,10,10,6,10,14,18,18	$\psi(M_{\omega \cdot 2})$
1,4,7,10,10,6,10,14,18, 18,13,18,23,28,28	$\psi(M_{\omega \cdot 3})$
1,4,7,10,10,7	$\psi(M_{\omega^2})$
1,4,7,10,10,7,7	$\psi(M_{\omega^3})$
1,4,7,10,10,7,8	$\psi(M_{\omega^\omega})$
1,4,7,10,10,7,9	$\psi(M_\Omega)$
1,4,7,10,10,7,9,4,7, 9,13,17,21,21,17,19,5	$\psi(M_I)$
1,4,7,10,10,7,9,4,7,10	$\psi(M_{I_\omega})$
1,4,7,10,10,7,9,4, 7,10,9,13,17,21,21	$\psi(M_{\psi_M(M_\omega)})$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,7,9,4,7,10, 9,13,17,21,21,17,19,5	$\psi(M_{\psi_{\psi_M(M)}(0)})$
1,4,7,10,10,7,9,4,7,10, 9,13,17,21,21,17,19,7,9,5	$\psi(M_M)$
1,4,7,10,10,7, 9,4,7,10,10	$\psi(M_{M_\omega})$
1,4,7,10,10,7, 9,4,7,10,10,7,9	$\psi(M_{M_\Omega})$
1,4,7,10,10,7,9,5	$\psi(\psi_{M(1,0)}(0))$
1,4,7,10,10,7,9,7,9,5	$\psi(M(1,0))$ $\psi(\psi_{M(1;0)}(0))$
1,4,7,10,10,7,9,7,9,6	$\psi(M(1,0) + \psi_{M(1,0)}(M(1,0)) \cdot \Omega)$
1,4,7,10,10,7,9,7,9,6,9	$\psi(M(1,0) + \psi_{\Omega \psi_{M(1,0)}(M(1,0))+1}(0))$
1,4,7,10,10,7,9, 7,9,6,10,14,17,11	$\psi(M(1,0) + \psi_{I \psi_{M(1,0)}(M(1,0))+1}(0))$ $\psi(M(1,0) + \psi_{\psi_{M(1,0)}(M(1,0))+1}(M_{\psi_{M(1,0)}(M(1,0))+1}(0)))$
1,4,7,10,10,7,9, 7,9,6,10,14,18	$\psi(M(1,0) + I_{\psi_{M(1,0)}(M(1,0))+\omega})$ $\psi(M(1,0) + M_{\psi_{M(1,0)}(M(1,0))+1} \cdot \omega)$
1,4,7,10,10,7,9,7,9,6, 10,14,18,17,14,17,11	$\psi(M(1,0) + I(1,0, \psi_{M(1,0)}(M(1,0)) + 1))$ $\psi(M(1,0) + M_{\psi_{M(1,0)}(M(1,0))+1}^{M_{\psi_{M(1,0)}(M(1,0))+1}})$
1,4,7,10,10,7,9, 7,9,6,10,14,18,17,21	$\psi(M(1,0) + \psi_{\Omega M_{\psi_{M(1,0)}(M(1,0))+1+1}}(0))$
1,4,7,10,10,7,9,7,9,6, 10,14,18,17,22,27,31,23	$\psi(M(1,0) + \psi_{I M_{\psi_{M(1,0)}(M(1,0))+1+1}}(0))$ $\psi(M(1,0) + \psi_{\psi_{M(1,0)}(M(1,0))+2}(M_{\psi_{M(1,0)}(M(1,0))+2}(0)))$
1,4,7,10,10,7,9, 7,9,6,10,14,18,18	$\psi(M(1,0) + M_{\psi_{M(1,0)}(M(1,0))+\omega})$
1,4,7,10,10,7,9,7, 9,6,10,14,18,18,14	$\psi(M(1,0) + M_{\psi_{M(1,0)}(M(1,0))+\omega^2})$
1,4,7,10,10,7,9, 7,9,6,10,14,18,18,14, 16,4,7,10,10,7,9,5	$\psi(M(1,0) + M_{\psi_{M(1,0)}(M(1,0)) \cdot 2})$
1,4,7,10,10,7,9,7,9,6, 10,14,18,18,14,17,11	$\psi(M(1,0) + \psi_{M(1,0)}(M(1,0) + 1))$
1,4,7,10,10,7,9,7, 9,6,10,14,18,18,14, 17,14,17,11	$\psi(M(1,0) \cdot 2)$
1,4,7,10,10,7,9,7,9,7	$\psi(M(1,0) \cdot \omega)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10, 7,9,7,9,7,9	$\psi(M(1,0) \cdot \Omega)$
1,4,7,10,10,7,9,7,9,7, 9,4,7,10,10,7,9,7,9,5	$\psi(M(1,0) \cdot \psi_{M(1,0)}(M(1,0)))$
1,4,7,10,10, 7,9,7,9,7,9,5	$\psi(M(1,0)^2)$
1,4,7,10,10,7,9,8	$\psi(M(1,0)^\omega)$
1,4,7,10,10,7,9,12	$\psi(\psi_{\Omega_{M(1,0)+1}}(0))$
1,4,7,10,10,7,9,12,15	$\psi(\Omega_{M(1,0)+1})$ $\psi(\psi_{M_{M(1,0)+1}}(0))$
1,4,7,10,10, 7,9,13,17,20,14	$\psi(\psi_{I_{M(1,0)+1}}(0))$ $\psi(\psi_{\psi_{M_{M(1,0)+1}}(M_{M(1,0)+1})}(0))$
1,4,7,10,10,7,9, 13,17,20,17,20,14	$\psi(I_{M(1,0)+1})$ $\psi(M_{M(1,0)+1})$
1,4,7,10,10,7, 9,13,17,21,21	$\psi(M_{M(1,0)+\omega})$
1,4,7,10,10,7,9, 13,17,21,21,17,20,14	$\psi(\psi_{M(1,1)}(0))$ $\psi((1-)^{1,0} 2 - 2 \text{ aft } 2 \ 1 - 2 - 2)$
1,4,7,10,10,7,9,13,17, 21,21,17,20,17,20,14	$\psi(M(1,1))$ $\psi(\psi_{M(1,0)}(1))$
1,4,7,10,10,7,9, 13,17,21,21,17,20,25, 30,35,35,30,34,30,34,26	$\psi(M(1,2))$ $\psi(\psi_{M(1,0)}(2))$
1,4,7,10,10,7,10	$\psi(M(1,\omega))$ $\psi(\psi_{M(1,0)}(\omega))$
1,4,7,10,10,7,10,7	$\psi(M(1,\omega^2))$ $\psi(\psi_{M(1,0)}(\omega^2))$
1,4,7,10,10,7,10,7,9	$\psi(M(1,\Omega))$ $\psi(\psi_{M(1,0)}(\Omega))$
1,4,7,10,10,7,10,7,9,5	$\psi(\psi_{M(2,0)}(0))$ $\psi(\psi_{\psi_{M(1,0)}(M(1,0))}(0))$
1,4,7,10,10,7,10,7,9,7	$\psi(\psi_{M(2,0)}(\omega))$ $\psi(\psi_{\psi_{M(1,0)}(M(1,0))}(\omega))$
1,4,7,10,10,7,10,7,9,7,9	$\psi(\psi_{M(2,0)}(\Omega))$ $\psi(\psi_{\psi_{M(1,0)}(M(1,0))}(\Omega))$
1,4,7,10,10, 7,10,7,9,7,9,5	$\psi(M(2,0))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10, 7,10,7,9,7,9,5,3	$\psi(M(2, 0) + 1)$
1,4,7,10,10,7, 10,7,9,7,9,7,9,5	$\psi(M(2, 0)^2)$
1,4,7,10,10,7,10,7,9,8	$\psi(M(2, 0)^\omega)$
1,4,7,10,10,7, 10,7,9,9,5	$\psi(M(2, 0)^{M(2,0)})$
1,4,7,10,10,7,10,7,9,12	$\psi(\psi_{\Omega_{M(2,0)+1}}(0))$
1,4,7,10,10,7, 10,7,9,12,12	$\psi(\psi_{\Omega_{M(2,0)+1}}(1))$
1,4,7,10,10,7, 10,7,9,12,15	$\psi(\Omega_{M(2,0)+1})$
1,4,7,10,10,7, 10,7,9,13,17,20,14	$\psi(\psi_{I_{M(2,0)+1}}(0))$ $\psi(\psi_{\psi_{M(2,0)+1}(M(2,0)+1)}(0))$
1,4,7,10,10,7,10, 7,9,13,17,20,17,20,14	$\psi(I_{M(2,0)+1})$ $\psi(M_{M(2,0)+1})$
1,4,7,10,10,7, 10,7,9,13,17,21,21	$\psi(M_{M(2,0)+\omega})$
1,4,7,10,10,7,10,7,9, 13,17,21,21,17,20,14	$\psi(\psi_{M(1,M(2,0)+1)}(0))$
1,4,7,10,10,7,10, 7,9,13,17,21,21,17,21	$\psi(M(1, M(2, 0) + \omega))$
1,4,7,10,10,7,10,7, 9,13,17,21,21,17,21, 17,20,17,20,14	$\psi(M(2, 1))$
1,4,7,10,10,7,10,7,10	$\psi(M(2, \omega))$
1,4,7,10,10,7, 10,7,10,7,9,5	$\psi(\psi_{M(3,0)}(0))$
1,4,7,10,10,7,10, 7,10,7,9,7,9,5	$\psi(M(3, 0))$ $\psi(M(1; 0)^2)$
1,4,7,10,10,7, 10,7,10,7,10	$\psi(M(3, \omega))$
1,4,7,10,10,7,10,8	$\psi(M(\omega, 0))$ $\psi(M(1; 0)^\omega)$
1,4,7,10,10,7,10,9	$\psi(M(\Omega, 0))$
1,4,7,10,10,7,10,9,5	$\psi(\psi_{M(1,0,0)}(0))$ $\psi(\psi_{\psi_{M(1;0)}(M(1;0)^{M(1;0)})}(0))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,7, 10,9,7,9,5	$\psi(M(1, 0, 0))$ $\psi(M(1; 0)^{M(1; 0)})$
1,4,7,10,10,7,10,9,7, 9,13,17,21,21,17, 21,20,17,20,14	$\psi(M(1, 0, 1))$ $\psi(M(1; 0)^{M(1; 0) \cdot 2})$
1,4,7,10,10,7,10,9,7,10	$\psi(M(1, 0, \omega))$ $\psi(M(1; 0)^{M(1; 0) \cdot \omega})$
1,4,7,10,10,7,10, 9,7,10,7,9,7,9,5	$\psi(M(1, 1, 0))$
1,4,7,10,10,7, 10,9,7,10,7,10	$\psi(M(1, 1, \omega))$
1,4,7,10,10,7,10,9, 7,10,7,10,7,9,7,9,5	$\psi(M(1, 2, 0))$
1,4,7,10,10,7, 10,9,7,10,8	$\psi(M(1, \omega, 0))$
1,4,7,10,10,7, 10,9,7,10,9	$\psi(M(1, \Omega, 0))$
1,4,7,10,10,7, 10,9,7,10,9,7,9,5	$\psi(M(2, 0, 0))$
1,4,7,10,10,7,10,9,8	$\psi(M(\omega, 0, 0))$
1,4,7,10,10, 7,10,9,9,7,9,5	$\psi(M(1, 0, 0, 0))$ $\psi(M(1; 0)^{M(1; 0)^2})$
1,4,7,10,10,7, 10,9,9,9,7,9,5	$\psi(M(1, 0, 0, 0, 0))$
1,4,7,10,10,7, 10,9,9,9,7,9,5	$\psi(M(1, 0, 0, 0, 0, 0))$
1,4,7,10,10,7,10,9,10	$\psi(M(1@ \omega))$ $\psi(M(1; 0)^{M(1; 0)^\omega})$
1,4,7,10,10,7,10,9,11	$\psi(M(1@ \Omega))$
1,4,7,10,10,7,10,9,11,5	$\psi(\psi_{M(1@ (1, 0))}(0))$
1,4,7,10,10,7, 10,9,11,7,9,5	$\psi(M(1@ (1, 0)))$ $\psi(M(1; 0)^{M(1; 0)^{M(1; 0)}})$
1,4,7,10,10,7,10,9,12	$\psi(\psi_{\Omega_{M(1; 0)+1}}(0))$
1,4,7,10,10,7,10,9,12,12	$\psi(\psi_{\Omega_{M(1; 0)+1}}(1))$
1,4,7,10,10,7,10,9,12,15	$\psi(\Omega_{M(1; 0)+1})$ $\psi(\psi_{M_{M(1; 0)+1}}(0))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,7,10,9,13	$\psi(\Omega_{M(1;0)+\omega})$ $\psi(\psi_{M_{M(1;0)+1}}(\omega))$
1,4,7,10,10,7, 10,9,13,17,20,14	$\psi(\psi_{I_{M(1;0)+1}}(0))$ $\psi(\psi_{\psi_{M_{M(1;0)+1}}(M_{M(1;0)+1})}(0))$
1,4,7,10,10,7,10, 9,13,17,20,17,20,14	$\psi(I_{M(1;0)+1})$ $\psi(M_{M(1;0)+1})$
1,4,7,10,10,7,10, 9,13,17,21,21	$\psi(M_{M(1;0)+\omega})$
1,4,7,10,10,7,10,9, 13,17,21,21,17,20,14	$\psi(\psi_{M(1,M(1;0)+1)}(0))$
1,4,7,10,10,7,10,9,13,17, 21,21,17,20,17,20,14	$\psi(M(1, M(1;0) + 1))$ $\psi(\psi_{M(1;1)}(0))$
1,4,7,10,10,7,10,9,13, 17,21,21,17,21,17,20,14	$\psi(\psi_{M(2,M(1;0)+1)}(0))$ $\psi(\psi_{\psi_{M(1;1)}(M(1;1))}(0))$
1,4,7,10,10,7,10,9,13,17, 21,21,17,21,17,20,17,20,14	$\psi(M(2, M(1;0) + 1))$ $\psi(M(1;1))$
1,4,7,10,10,7,10,9, 13,17,21,21,17,21,18	$\psi(M(\omega, M(1;0) + 1))$ $\psi(M(1;1)^\omega)$
1,4,7,10,10,7,10,9,13, 17,21,21,17,21,20,14	$\psi(\psi_{M(1,0,M(1;0)+1)})$ $\psi(\psi_{\psi_{M(1;1)}(M(1;1)^{M(1;1)})}(0))$
1,4,7,10,10,7,10,9,13,17, 21,21,17,21,20,17,20,14	$\psi(M(1, 0, M(1;0) + 1))$ $\psi(M(1;1)^{M(1;1)})$
1,4,7,10,10,7,10,9,13,17, 21,21,17,21,20,20,17,20,14	$\psi(M(1, 0, 0, M(1;0) + 1))$ $\psi(M(1;1)^{M(1;1)^2})$
1,4,7,10,10,7,10,9,13, 17,21,21,17,21,20,21	$\psi(M(1\textcircled{\omega}, M(1;0) + 1\textcircled{0}))$ $\psi(M(1;1)^{M(1;1)^\omega})$
1,4,7,10,10,7,10,9,13, 17,21,21,17,21,20,23,14	$\psi(M(1\textcircled{(1,0)}, M(1;0) + 1\textcircled{0}))$ $\psi(M(1;1)^{M(1;1)^{M(1;1)}})$
1,4,7,10,10,7,10,9,13, 17,21,21,17,21,20,24	$\psi(\psi_{\Omega_{M(1;1)+1}}(0))$
1,4,7,10,10,7,10,9,13, 17,21,21,17,21,20,24,28	$\psi(\Omega_{M(1;1)+1})$ $\psi(\psi_{M_{M(1;1)+1}}(0))$
1,4,7,10,10,7,10,9, 13,17,21,21,17,21, 20,25,30,34,26	$\psi(\psi_{I_{M(1;1)+1}}(0))$
1,4,7,10,10,7,10, 9,13,17,21,21,17,21, 20,25,30,34,30,34,26	$\psi(I_{M(1;1)+1})$ $\psi(M_{M(1;1)+1})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,7,10,9,13, 17,21,21,17,21,20, 25,30,35,35	$\psi(M_{M(1;1)+\omega})$
1,4,7,10,10,7,10, 9,13,17,21,21,17,21,20, 25,30,35,35,30,34,30,34,26	$\psi(M(1, M(1;1) + 1))$ $\psi(\psi_{M(1;2)}(0))$
1,4,7,10,10,7,10,9, 13,17,21,21,17,21,20,25, 30,35,35,30,35,30,34,26	$\psi(\psi_{M(2, M(1;1)+1)}(0))$ $\psi(\psi_{\psi_{M(1;2)}(M(1;2))}(0))$
1,4,7,10,10,7,10,9, 13,17,21,21,17,21,20,25,30,35, 35,30,35,30,34,30,34,26	$\psi(M(2, M(1;1) + 1))$ $\psi(M(1;2))$
1,4,7,10,10,7,10,9, 13,17,21,21,17,21,20,25, 30,35,35,30,35,34,30,34,26	$\psi(M(1, 0, M(1;1) + 1))$ $\psi(M(1;2)^{M(1;2)})$
1,4,7,10,10,7,10,9, 13,17,21,21,17,21,20,25,30, 35,35,30,35,34,39,30,34,26	$\psi(M(1@1, 0), M(1;1) + 1@0))$ $\psi(M(1;2)^{M(1;2)^{M(1;2)}})$
1,4,7,10,10,7,10,9, 13,17,21,21,17,21,20, 25,30,35,35,30,35,34,39	$\psi(\psi_{\Omega_{M(1;2)+1}}(0))$
1,4,7,10,10,7,10,9, 13,17,21,21,17,21,20,25, 30,35,35,30,35,34,40,46,52, 52,46,52,46,51,46,51,41	$\psi(M(2, M(1;2) + 1))$ $\psi(M(1;3))$
1,4,7,10,10,7,10,10	$\psi(M(1; \omega))$
1,4,7,10,10,7,10,10,6	$\psi(M(1; \omega) \cdot \Omega)$
1,4,7,10,10,7,10,10,6,9	$\psi(\psi_{\Omega_{M(1; \omega)+1}}(0))$
1,4,7,10,10,7,10,10, 6,10,14,17,14,17,11	$\psi(I_{M(1; \omega)+1})$ $\psi(M_{M(1; \omega)+1})$
1,4,7,10,10,7,10,10,6, 10,14,18,18,14,17,14,17,11	$\psi(M(1, M(1; \omega) + 1))$ $\psi(\psi_{M(1; \omega+1)}(0))$
1,4,7,10,10,7,10, 10,6,10,14,18,18,14, 18,14,17,14,17,11	$\psi(M(2, M(1; \omega) + 1))$ $\psi(M(1; \omega + 1))$
1,4,7,10,10,7,10,10,6, 10,14,18,18,14,18,18	$\psi(M(1; \omega \cdot 2))$
1,4,7,10,10,7,10,10,7	$\psi(M(1; \omega^2))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,7, 10,10,7,9,5	$\psi(\psi_{M(1;1,0)}(0))$
1,4,7,10,10,7, 10,10,7,9,7,9,5	$\psi(M(1;1,0))$ $\psi(\psi_{M(2;0)}(0))$ $\psi(2\ 1-2-2\ 1-2-2)$
1,4,7,10,10,7,10,10,7,10	$\psi(M(1;1,\omega))$ $\psi(\psi_{M(2;0)}(\omega))$
1,4,7,10,10,7, 10,10,7,10,7,9,5	$\psi(\psi_{M(1;2,0)}(0))$ $\psi(\psi_{\psi_{M(2;0)}(M(2;0))}(0))$
1,4,7,10,10,7,10, 10,7,10,7,9,7,9,5	$\psi(M(1;2,0))$ $\psi(M(2;0))$
1,4,7,10,10,7, 10,10,7,10,7,10	$\psi(M(1;2,\omega))$ $\psi(M(2;0) \cdot \omega)$
1,4,7,10,10,7, 10,10,7,10,8	$\psi(M(1;\omega,0))$ $\psi(M(2;0)^\omega)$
1,4,7,10,10,7, 10,10,7,10,9,5	$\psi(\psi_{M(1;1,0,0)}(0))$
1,4,7,10,10,7,10, 10,7,10,9,7,9,5	$\psi(M(1;1,0,0))$ $\psi(M(2;0)^{M(2;0)})$
1,4,7,10,10,7, 10,10,7,10,9,10	$\psi(M(1;1@ \omega))$ $\psi(M(2;0)^{M(2;0)^\omega})$
1,4,7,10,10,7, 10,10,7,10,9,12	$\psi(\psi_{\Omega_{M(2;0)+1}}(0))$
1,4,7,10,10,7,10,10,7, 10,9,13,17,20,17,20,14	$\psi(I_{M(2;0)+1})$ $\psi(M_{M(2;0)+1})$
1,4,7,10,10,7,10, 10,7,10,9,13,17,21,21	$\psi(M_{M(2;0)+\omega})$
1,4,7,10,10,7,10, 10,7,10,9,13,17,21,21, 17,21,17,20,17,20,14	$\psi(M(2, M(2;0) + 1))$ $\psi(M(2;1))$
1,4,7,10,10,7, 10,10,7,10,10	$\psi(M(2;\omega))$
1,4,7,10,10,8	$\psi(M(\omega;0))$ $\psi(\psi_N(\omega))$ $\psi((2-2\ 1-)^\omega\ 2-2)$
1,4,7,10,10,8,7	$\psi(M(\omega;\omega))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,8, 7,10,7,9,7,9,5	$\psi(M(\omega + 1; 0))$ $\psi(\psi_N(\omega + 1))$
1,4,7,10,10,8,7,10,10	$\psi(M(\omega + 1, \omega))$
1,4,7,10,10,8,7, 10,10,7,10,7,9,7,9,5	$\psi(M(\omega + 2; 0))$
1,4,7,10,10,8,7,10,10,8	$\psi(M(\omega \cdot 2; 0))$
1,4,7,10,10,8,8	$\psi(M(\omega^2; 0))$
1,4,7,10,10,9	$\psi(M(\Omega; 0))$ $\psi(\psi_N(\Omega))$
1,4,7,10,10,9,5	$\psi(\psi_{M(1,0;0)}(0))$ $\psi(\psi_{\psi_N(N)}(0)(0))$
1,4,7,10,10,9,7,9,5	$\psi(M(1, 0; 0))$ $\psi(\psi_{\psi_N(N)}(0))$
1,4,7,10,10,9,7,9,7	$\psi(M(1, 0; 0) \cdot \omega)$
1,4,7,10,10, 9,7,9,7,9,5	$\psi(M(1, 0; 0)^2)$
1,4,7,10,10,9,7,9,12	$\psi(\psi_{\Omega_{M(1,0;0)+1}}(0))$
1,4,7,10,10,9,7, 9,13,17,20,17,20,14	$\psi(I_{M(1,0;0)+1})$ $\psi(M_{M(1,0;0)+1})$
1,4,7,10,10,9,7,9,13, 17,21,21,17,20,17,20,14	$\psi(M(1, M(1, 0; 0) + 1))$
1,4,7,10,10,9,7,9, 13,17,21,21,17,21, 17,20,17,20,14	$\psi(M(2, M(1, 0; 0) + 1))$ $\psi(M(1, 0; 1))$
1,4,7,10,10,9,7,10	$\psi(M(1, 0; \omega))$
1,4,7,10,10,9, 7,10,7,9,7,9,5	$\psi(M(1, 0; 1, 0))$ $\psi(\psi_{M(1,1;0)}(0))$
1,4,7,10,10,9,7, 10,7,10,7,9,7,9,5	$\psi(M(1, 0; 2, 0))$ $\psi(M(1, 1; 0))$
1,4,7,10,10,9,7,10,8	$\psi(M(1, 0; \omega, 0))$
1,4,7,10,10,9, 7,10,9,7,9,5	$\psi(M(1, 0; 1, 0, 0))$ $\psi(M(1, 1; 0)^{M(1,1;0)})$
1,4,7,10,10,9,7,10,9,12	$\psi(\psi_{\Omega_{M(1,1;0)+1}}(0))$
1,4,7,10,10,9,7,10, 9,13,17,20,17,20,14	$\psi(M_{M(1,1;0)+1})$



0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,9,7,10,9,13, 17,21,21,17,20,17,20,14	$\psi(M(1, M(1, 1; 0) + 1))$
1,4,7,10,10,9, 7,10,9,13,17,21,21,17, 21,17,20,17,20,14	$\psi(M(2, M(1, 1; 0) + 1))$ $\psi(M(1, 1; 1))$
1,4,7,10,10,9,7,10,10	$\psi(M(1, 1; \omega))$
1,4,7,10,10,9,7,10,10,8	$\psi(M(1, \omega; 0))$ $\psi(\psi_N(\psi_{\psi_N(N)}(0) + \omega))$
1,4,7,10,10,9,7,10,10,9	$\psi(M(1, \Omega; 0))$ $\psi(\psi_N(\psi_{\psi_N(N)}(0) + \Omega))$
1,4,7,10,10,9, 7,10,10,9,5	$\psi(\psi_{M(2,0;0)}(0))$ $\psi(\psi_{\psi_{\psi_N(N)}(1)}(0))$
1,4,7,10,10,9, 7,10,10,9,7,9,5	$\psi(M(2, 0; 0))$ $\psi(\psi_{\psi_N(N)}(1))$
1,4,7,10,10,9,7, 10,10,9,7,10,10,9,7,9,5	$\psi(M(3, 0; 0))$ $\psi(\psi_{\psi_N(N)}(2))$
1,4,7,10,10,9,8	$\psi(M(\omega, 0; 0))$ $\psi(\psi_{\psi_N(N)}(\omega))$
1,4,7,10,10,9,9	$\psi(M(\Omega, 0; 0))$ $\psi(\psi_{\psi_N(N)}(\Omega))$
1,4,7,10,10,9,9,5	$\psi(\psi_{M(1,0,0;0)}(0))$ $\psi(\psi_N(N))$ $\psi(N)$ $\psi(2 - 2 - 2)$
1,4,7,10,10,9,9,7,9,5	$\psi(M(1, 0, 0; 0))$ $\psi(N + \psi_{\psi_N(N \cdot 2)}(0))$
1,4,7,10,10,9, 9,7,10,7,9,5	$\psi(\psi_{M(1,0,1;0)}(0))$ $\psi(N + \psi_{\psi_N(N \cdot 2)}(N))$
1,4,7,10,10,9, 9,7,10,7,9,7,9,5	$\psi(M(1, 0, 1; 0))$ $\psi(N \cdot 2)$
1,4,7,10,10,9,9,7,10,10	$\psi(M(1, 0, 1; \omega))$
1,4,7,10,10,9, 9,7,10,10,8	$\psi(M(1, 0, \omega; 0))$ $\psi(N \cdot \omega)$
1,4,7,10,10,9, 9,7,10,10,9	$\psi(M(1, 0, \Omega; 0))$ $\psi(N \cdot \Omega)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,9,9, 7,10,10,9,7,9,5	$\psi(M(1, 1, 0; 0))$ $\psi(N \cdot \psi_{\psi_N(N^2)}(0))$
1,4,7,10,10,9, 9,7,10,10,9,8	$\psi(M(1, \omega, 0; 0))$ $\psi(N \cdot \psi_{\psi_N(N^2)}(\omega))$
1,4,7,10,10,9, 9,7,10,10,9,9,5	$\psi(\psi_{M(2,0,0;0)}(0))$ $\psi(N^2)$
1,4,7,10,10,9,9,7,10, 10,9,9,7,10,10,9,9,5	$\psi(\psi_{M(3,0,0;0)}(0))$ $\psi(N^3)$
1,4,7,10,10,9,9,8	$\psi(M(\omega, 0, 0; 0))$ $\psi(N^\omega)$
1,4,7,10,10,9,9,9,5	$\psi(\psi_{M(1,0,0,0;0)}(0))$ $\psi(N^N)$
1,4,7,10,10,9,10	$\psi(M(1@ \omega; 0))$ $\psi(N^{N^\omega})$
1,4,7,10,10,9,11,7,9,5	$\psi(M(1@(1, 0); 0))$ $\psi(N^{N^N})$
1,4,7,10,10,9,12	$\psi(\psi_{\Omega_{N+1}}(0))$ $\psi((1-)^{1,0} \text{ aft } 2-2-2)$
1,4,7,10,10,9,12,3	$\psi(\psi_{\Omega_{N+1}}(0) + 1)$
1,4,7,10,10,9,12,12	$\psi(\psi_{\Omega_{N+1}}(1))$
1,4,7,10,10,9,12,14	$\psi(\psi_{\Omega_{N+1}}(\Omega))$
1,4,7,10,10,9,12,14,5	$\psi(\psi_{\Omega_{N+1}}(N))$
1,4,7,10,10,9,12,15	$\psi(\Omega_{N+1})$ $\psi(\psi_{M_{N+1}}(0))$ $\psi(2 \text{ aft } 2-2-2)$
1,4,7,10,10,9,13,17,20,14	$\psi(\psi_{I_{N+1}}(0))$ $\psi(\alpha \rightarrow \psi_{M_{N+1}}(\alpha) \text{ FP})$ $\psi((1-)^{1,0} 2 \text{ aft } 2-2-2)$
1,4,7,10,10,9,13,17, 21,21,17,20,17,20,14	$\psi(M(1, N+1))$ $\psi(\psi_{M(1;N+1)}(0))$
1,4,7,10,10,9,13,17,21, 21,17,21,17,20,17,20,14	$\psi(M(2, N+1))$ $\psi(M(1; N+1))$ $\psi(\psi_{N_2}(0))$
1,4,7,10,10,9,13, 17,21,21,17,21,21	$\psi(M(2; N+\omega))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,9, 13,17,21,21,18	$\psi(M(\omega; N+1))$ $\psi(\psi_{N_2}(\omega))$
1,4,7,10,10,9, 13,17,21,21,19	$\psi(M(\Omega; N+1))$ $\psi(\psi_{N_2}(\Omega))$
1,4,7,10,10,9, 13,17,21,21,19,5	$\psi(M(N; 1))$ $\psi(\psi_{N_2}(N))$
1,4,7,10,10,9, 13,17,21,21,20,14	$\psi(\psi_{M(1,0;N+1)}(0))$ $\psi(\alpha \rightarrow \psi_{N_2}(\alpha) \text{ FP})$
1,4,7,10,10,9,13, 17,21,21,20,17,20,14	$\psi(M(1, 0; N+1))$ $\psi(\alpha \rightarrow \psi_{N_2}(\alpha) \text{ AP})$ $\psi(\psi_{\psi_{N_2}(N_2)}(0))$
1,4,7,10,10,9,13,17,21,21, 20,17,21,21,20,17,20,14	$\psi(M(2, 0; N+1))$ $\psi(2\text{nd } \alpha \rightarrow \psi_{N_2}(\alpha) \text{ AP})$ $\psi(\psi_{\psi_{N_2}(N_2)}(1))$
1,4,7,10,10,9, 13,17,21,21,20,18	$\psi(M(\omega, 0; N+1))$ $\psi(1-2 \ 1-2-2 \ 1-2-2 \text{ aft } 2-2-2)$ $\psi(\psi_{\psi_{N_2}(N_2)}(\omega))$
1,4,7,10,10,9, 13,17,21,21,20,19	$\psi(M(\Omega, 0; N+1))$ $\psi(\psi_{\psi_{N_2}(N_2)}(\Omega))$
1,4,7,10,10,9,13, 17,21,21,20,20,14	$\psi(\psi_{M(1,0,0;N+1)}(0))$ $\psi(N_2)$ $\psi(2\text{nd } 2-2-2)$
1,4,7,10,10,9,13,17,21, 21,20,20,17,20,14	$\psi(M(1, 0, 0; N+1))$ $\psi(N_2 + \psi_{\psi_{N_2}(N_2 \cdot 2)}(0))$
1,4,7,10,10,9,13,17,21,21, 20,20,17,21,17,20,17,20,14	$\psi(M(1, 0, 1; N+1))$ $\psi(N_2 \cdot 2)$
1,4,7,10,10,9,13,17,21, 21,20,20,17,21,21,18	$\psi(M(1, 0, \omega; N+1))$ $\psi(N_2 \cdot \omega)$
1,4,7,10,10,9,13,17,21, 21,20,20,17,21,21,19	$\psi(M(1, 0, \Omega; N+1))$ $\psi(N_2 \cdot \Omega)$
1,4,7,10,10,9,13,17,21, 21,20,20,17,21,21,19,5	$\psi(M(1, 0, N; 1))$ $\psi(N_2 \cdot N)$
1,4,7,10,10,9,13,17,21, 21,20,20,17,21,21,20,14	$\psi(\psi_{M(1,1,0;N+1)}(0))$ $\psi(\alpha \rightarrow N_2 \cdot \psi_{N_2}(\alpha) \text{ FP})$
1,4,7,10,10,9,13,17, 21,21,20,20,17,21, 21,20,17,20,14	$\psi(M(1, 1, 0; N+1))$ $\psi(\alpha \rightarrow N_2 \cdot \psi_{N_2}(\alpha) \text{ AP})$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,9,13, 17,21,21,20,20,17,21,21, 20,17,21,21,20,17,20,14	$\psi(M(1, 2, 0; N + 1))$ $\psi(2\text{nd } \alpha \rightarrow N_2 \cdot \psi_{N_2}(\alpha) \text{ AP})$
1,4,7,10,10,9,13,17,21, 21,20,20,17,21,21,20,18	$\psi(M(1, \omega, 0; N + 1))$ $\psi(N_2 \cdot \psi_{\psi_{N_2}(N_2^2)}(\omega))$
1,4,7,10,10,9,13,17,21,21, 20,20,17,21,21,20,19,5	$\psi(M(1, N, 0; 1))$ $\psi(N_2 \cdot \psi_{\psi_{N_2}(N_2^2)}(N))$
1,4,7,10,10,9,13,17,21,21, 20,20,17,21,21,20,20,14	$\psi(\psi_{M(2,0,0;N+1)}(0))$ $\psi(N_2^2)$
1,4,7,10,10,9,13, 17,21,21,20,20,18	$\psi(M(\omega, 0, 0; N + 1))$ $\psi(N_2^\omega)$
1,4,7,10,10,9,13, 17,21,21,20,20,19	$\psi(M(\Omega, 0, 0; N + 1))$ $\psi(N_2^\Omega)$
1,4,7,10,10,9,13, 17,21,21,20,20,20,14	$\psi(\psi_{M(1,0,0,0;N+1)}(0))$ $\psi(N_2^{N_2})$
1,4,7,10,10,9,13, 17,21,21,20,21	$\psi(M(1@ \omega; N + 1))$ $\psi(N_2^{N_2^\omega})$
1,4,7,10,10,9,13, 17,21,21,20,25	$\psi(\psi_{\Omega_{N_2+1}}(0))$ $\psi((1-)^{1,0} \text{ aft } 2\text{nd } 2 - 2 - 2)$
1,4,7,10,10,9,13,17,21, 21,20,25,30,35,35,34,40	$\psi(\psi_{\Omega_{N_3+1}}(0))$ $\psi((1-)^{1,0} \text{ aft } 3\text{rd } 2 - 2 - 2)$
1,4,7,10,10,10	$\psi(N_\omega)$ $\psi(1 - 2 - 2 - 2)$ SNO
1,4,7,10,10,10,7	$\psi(N_{\omega^2})$ $\psi(1 - 1 - 2 - 2 - 2)$
1,4,7,10,10,10,7,9	$\psi(N_\Omega)$
1,4,7,10,10,10, 7,9,4,7,10,10,9,13,17,21, 21,21,17,21,21,17,19,7,9,5	$\psi(N_N)$
1,4,7,10,10,10,7,9,5	$\psi(\psi_{N(1,0)}(0))$ $\psi((1-)^{1,0} 2 - 2 - 2)$
1,4,7,10,10, 10,7,9,7,9,5	$\psi(N(1, 0))$ $\psi(2 \text{ } 1 - 2 - 2 - 2)$
1,4,7,10,10,10,7,10	$\psi(N(1, \omega))$ $\psi(1 - 2 \text{ } 1 - 2 - 2 - 2)$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,10,10, 7,10,7,9,7,9,5	$\psi(N(2,0))$ $\psi(2\ 1-2\ 1-2-2-2)$
1,4,7,10,10,10,7,10,7,10	$\psi(N(2,\omega))$ $\psi(1-2\ 1-2\ 1-2-2-2)$
1,4,7,10,10,10,7,10,8	$\psi(N(\omega,0))$ $\psi((2\ 1-)^{\omega}\ 2-2-2)$
1,4,7,10,10,10, 7,10,9,7,9,5	$\psi(N(1,0,0))$ $\psi((2\ 1-)^{1,1}\ 2-2-2)$
1,4,7,10,10,10,7,10,10	$\psi(1-2-2\ 1-2-2-2)$
1,4,7,10,10,10, 7,10,10,7,10,10	$\psi(1-2-2\ 1-2-2\ 1-2-2-2)$
1,4,7,10,10,10,7,10,10,8	$\psi((2-2\ 1-)^{\omega}\ 2-2-2)$
1,4,7,10,10,10,7,10,10,10	$\psi(1-2-2-2\ 1-2-2-2)$
1,4,7,10,10,10,8	$\psi((2-2-2\ 1-)^{\omega}\ 2-2-2)$
1,4,7,10,10,10,9	$\psi((2-2-2\ 1-)^{(2)}\ 2-2-2)$
1,4,7,10,10,10,9,5	$\psi((2-2-2\ 1-)^{1,0}\ 2-2-2)$
1,4,7,10,10,10,9,9,9,5	$\psi(2-2-2-2)$
1,4,7,10,10,10,10	$\psi(1-2-2-2-2)$
1,4,7,10,10,10, 10,7,9,7,9,5	$\psi(2\ 1-2-2-2-2)$
1,4,7,10,10,10, 10,7,10,7,9,7,9,5	$\psi(2-2\ 1-2-2-2-2)$
1,4,7,10,10,10,10,7,10, 10,7,10,7,9,7,9,5	$\psi(2-2-2\ 1-2-2-2-2)$
1,4,7,10,10,10, 10,7,10,10,10,10	$\psi(1-2-2-2-2\ 1-2-2-2-2)$
1,4,7,10,10,10,10,8	$\psi((2-2-2-2\ 1-)^{\omega}\ 2-2-2-2)$
1,4,7,10,10,10,10,10	$\psi(1-2-2-2-2-2)$
1,4,7,10,10,10,10,10,10	$\psi(1-2-2-2-2-2-2)$
1,4,7,10,11	$\psi((2-)^{\omega})$
1,4,7,10,12	$\psi((2-)^{(2)})$
1,4,7,10,12,5	$\psi((2-)^{1,0})$ $\psi(\psi_K(0))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,12,6, 10,14,18,21,11	$\psi(2\text{nd } (2-)^{1,0})$
1,4,7,10,12,7	$\psi(1 - (2-)^{1,0})$
1,4,7,10,12,7,10	$\psi(1 - 2 \ 1 - (2-)^{1,0})$
1,4,7,10,12,7,10,10	$\psi(1 - 2 - 2 \ 1 - (2-)^{1,0})$
1,4,7,10,12,7,10,11	$\psi((2-)^{\omega} \ 1 - (2-)^{1,0})$
1,4,7,10,12,7,10,12	$\psi((2-)^{(2)} \ 1 - (2-)^{1,0})$
1,4,7,10,12,7,10,12,5	$\psi((2-)^{1,0} \ 1 - (2-)^{1,0})$
1,4,7,10,12,7,10,12,7	$\psi(1 - (2-)^{1,0} \ 1 - (2-)^{1,0})$
1,4,7,10,12,7, 10,12,7,10,12,5	$\psi(((2-)^{1,0} \ 1-)^2 \ (2-)^{1,0})$
1,4,7,10,12,8	$\psi(((2-)^{1,0} \ 1-)^{\omega} \ (2-)^{1,0})$
1,4,7,10,12,9	$\psi(((2-)^{1,0} \ 1-)^{(2)} \ (2-)^{1,0})$
1,4,7,10,12,9,5	$\psi(((2-)^{1,0} \ 1-)^{1,0} \ (2-)^{1,0})$
1,4,7,10,12,9,7,9,5	$\psi(((2-)^{1,0} \ 1-)^{1,1} \ (2-)^{1,0})$
1,4,7,10,12,9,7,10,12,5	$\psi(((2-)^{1,0} \ 1-)^{1,2} \ (2-)^{1,0})$
1,4,7,10,12,9,7,10,12,8	$\psi(((2-)^{1,0} \ 1-)^{1,\omega} \ (2-)^{1,0})$
1,4,7,10,12,9, 7,10,12,9,5	$\psi(((2-)^{1,0} \ 1-)^{2,0} \ (2-)^{1,0})$
1,4,7,10,12,9,8	$\psi(((2-)^{1,0} \ 1-)^{\omega,0} \ (2-)^{1,0})$
1,4,7,10,12,9,11,5	$\psi(((2-)^{1,0} \ 1-)^{1\oplus(1,0)} \ (2-)^{1,0})$
1,4,7,10,12,10	$\psi(1 - (2-)^{1,1})$
1,4,7,10,12,10,11	$\psi((2-)^{1,\omega})$ $\psi(\psi_K(\omega))$
1,4,7,10,12,10,12	$\psi((2-)^{1,\Omega})$ $\psi(\psi_K(\Omega))$
1,4,7,10,12,10, 12,4,7,10,12,10,12	$\psi((2-)^{1,(2-)^{1,\Omega}})$ $\psi(\psi_K(\psi_K(\Omega)))$

$0 - Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,12,10,12,5	$\psi((2-)^{2,0})$ $\psi(\psi_K(K))$ $\psi(K)$ $\psi(\Pi_3)$
1,4,7,10,12,10,12, 5,4,7,10,12,10,12,5	$\psi(K + \psi_K(K))$
1,4,7,10,12,10,12,6,9	$\psi(K + \psi_{\Omega_{\psi_K(K)+1}}(0))$
1,4,7,10,12,10, 12,6,10,14,18	$\psi(K + I_{\psi_K(K)+\omega})$ $\psi(K + (1 - 2 \ 1 - 2 \text{ aft } (2-)^{2,0}))$
1,4,7,10,12,10, 12,6,10,14,18,18	$\psi(K + M_{\psi_K(K)+\omega})$ $\psi(K + (1 - 2 - 2 \text{ aft } (2-)^{2,0}))$
1,4,7,10,12,10, 12,6,10,14,18,19	$\psi(K + ((2-)^{\omega} \text{ aft } (2-)^{2,0}))$
1,4,7,10,12,10, 12,6,10,14,18,21,11	$\psi(K + ((2-)^{1,0} \text{ aft } (2-)^{2,0}))$ $\psi(K + \psi_K(K + 1))$
1,4,7,10,12,10,12,6,10, 14,18,21,18,21,11	$\psi(K \cdot 2)$ $\psi(2\text{nd } (2-)^{2,0})$
1,4,7,10,12,10,12,7	$\psi(K \cdot \omega)$ $\psi(1 - (2-)^{2,0})$
1,4,7,10,12,10,12,10	$\psi(1 - (2-)^{2,1})$
1,4,7,10,12, 10,12,10,12,5	$\psi(K^2)$ $\psi((2-)^{3,0})$
1,4,7,10,12,11	$\psi(K^{\omega})$ $\psi((2-)^{\omega,0})$
1,4,7,10,12,12,5	$\psi(K^K)$ $\psi((2-)^{1,0,0})$
1,4,7,10,12,14,15	$\psi(K^{K^{\omega}})$ $\psi((2-)^{1 \otimes \omega})$
1,4,7,10,12,14,16,5	$\psi(K^{K^K})$ $\psi((2-)^{1 \otimes (1,0)})$
1,4,7,10,12,15	$\psi(\psi_{\Omega_{K+1}}(0))$ $\psi(\varepsilon_{K+1})$ $\psi((1-)^{1,0} \text{ aft } 3)$ $RO$
1,4,7,10,12,15,18	$\psi(\Omega_{K+1})$ $\psi(2 \text{ aft } 3)$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,12,16	$\psi(\Omega_{K+\omega})$ $\psi(1 - 2 \text{ aft } 3)$
1,4,7,10,12,16,20,24	$\psi(I_{K+\omega})$ $\psi(1 - 2 \ 1 - 2 \text{ aft } 3)$
1,4,7,10,12,16,20,24,24	$\psi(M_{K+\omega})$ $\psi(1 - 2 - 2 \text{ aft } 3)$
1,4,7,10,12,16,20,24,24,24	$\psi(N_{K+\omega})$ $\psi(1 - 2 - 2 - 2 \text{ aft } 3)$
1,4,7,10,12,16,20,24,25	$\psi((2-)^{\omega} \text{ aft } 3)$
1,4,7,10,12,16,20,24,26	$\psi((2-)^{(2)} \text{ aft } 3)$
1,4,7,10,12,16,20, 24,26,4,7,10,12,5	$\psi((2-)^{(2-)^{1,0}} \text{ aft } 3)$
1,4,7,10,12,16,20,24, 26,4,7,10,12,10,12,5	$\psi((2-)^{(2-)^{2,0}} \text{ aft } 3)$
1,4,7,10,12,16,20, 24,26,4,7,10,12,15	$\psi((2-)^{\psi_K(\psi_{\Omega_{K+1}}(0))} \text{ aft } 3)$
1,4,7,10,12,16,20,24,26,5	$\psi((2-)^{(3)} \text{ aft } 3)$
1,4,7,10,12,16,20,24,27,17	$\psi((2-)^{1,0} \text{ aft } 3)$ $\psi(\psi_{K_2}(0))$
1,4,7,10,12,16, 20,24,27,24,27,17	$\psi(K_2)$ $\psi(2\text{nd } 3)$
1,4,7,10,12,16,20,24,27,31	$\psi(\psi_{\Omega_{K_2+1}}(0))$ $\psi((1-)^{1,0} \text{ aft } 2\text{nd } 3)$
1,4,7,10,12,16,20, 24,27,32,37,42,46,28	$\psi(\psi_{K_3}(0))$ $\psi((2-)^{1,0} \text{ aft } 2\text{nd } 3)$
1,4,7,10,13	$\psi(K_{\omega})$ $\psi(1 - 3)$
1,4,7,10,13,3	$\psi(K_{\omega} + 1)$
1,4,7,10,13,4,7,10,13	$\psi(K_{\omega} \cdot 2)$
1,4,7,10,13,6,10, 14,18,21,18,21,11	$\psi(K_{\omega+1})$ $\psi(3 \text{ aft } 1 - 3)$
1,4,7,10,13,6,10,14,18,22	$\psi(K_{\omega \cdot 2})$
1,4,7,10,13,7	$\psi(K_{\omega^2})$ $\psi(1 - 1 - 3)$
1,4,7,10,13,7,9	$\psi(K_{\Omega})$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,13,7,9,4,7,10, 12,16,20,24,28,20,22,5	$\psi(K_K)$
1,4,7,10,13,7,9,5	$\psi(\psi_{K(1,0)}(0))$ $\psi((1-)^{1,0} 3)$
1,4,7,10,13,7,10,8	$\psi((2 \ 1-)^{\omega} 3)$
1,4,7,10,13,7,10,10	$\psi(1 - 2 - 2 \ 1 - 3)$
1,4,7,10,13,7,10,11	$\psi((2-)^{\omega} 1 - 3)$
1,4,7,10,13,7,10,12	$\psi((2-)^{\Omega} 1 - 3)$
1,4,7,10,13,7,10,12,5	$\psi((2-)^{1,0} 1 - 3)$
1,4,7,10,13,7,10,13	$\psi(1 - 3 \ 1 - 3)$
1,4,7,10,13, 7,10,13,7,10,13	$\psi(1 - 3 \ 1 - 3 \ 1 - 3)$
1,4,7,10,13,8	$\psi((3 \ 1-)^{\omega} 3)$
1,4,7,10,13,9	$\psi((3 \ 1-)^{\Omega} 3)$
1,4,7,10,13,9,5	$\psi((3 \ 1-)^{1,0} 3)$
1,4,7,10,13,10	$\psi(1 - 2 - 3)$
1,4,7,10,13, 10,4,7,10,13,10	$\psi(1 - 2 - 3 \ 1 - 2 - 3)$
1,4,7,10,13,10,10	$\psi(1 - 2 - 2 - 3)$
1,4,7,10,13,10,11	$\psi((2-)^{\omega} 3)$
1,4,7,10,13,10,12,5	$\psi((2-)^{1,0} 3)$
1,4,7,10,13,10,13	$\psi(1 - 3 \ 2 - 3)$
1,4,7,10,13,10, 13,7,10,13,10,13	$\psi(1 - 3 \ 2 - 3 \ 1 - 3 \ 2 - 3)$
1,4,7,10,13,10,13,10,13	$\psi(1 - 3 \ 2 - 3 \ 2 - 3)$
1,4,7,10,13,11	$\psi((3 \ 2-)^{\omega} 3)$
1,4,7,10,13,12,5	$\psi((3 \ 2-)^{1,0} 3)$
1,4,7,10,13,13	$\psi(1 - 3 - 3)$
1,4,7,10,13,13,7,10,13	$\psi(1 - 3 \ 1 - 3 - 3)$
1,4,7,10,13,13,7,10,13,13	$\psi(1 - 3 - 3 \ 1 - 3 - 3)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,13,13,10	$\psi(1 - 2 - 3 - 3)$
1,4,7,10,13,13,10,13	$\psi(1 - 3 \ 2 - 3 - 3)$
1,4,7,10,13,13,10,13,13	$\psi(1 - 3 - 3 \ 2 - 3 - 3)$
1,4,7,10,13,13,13	$\psi(1 - 3 - 3 - 3)$
1,4,7,10,13,14	$\psi((3-)^{\omega})$
1,4,7,10,13,15,5	$\psi((3-)^{1,0})$
1,4,7,10,13,15,13,15,5	$\psi((3-)^{2,0})$
	$\psi(\Pi_4)$
	$\psi(\kappa)$
1,4,7,10,13,16	$\psi(\kappa_{\omega})$
	$\psi(1 - 4)$
1,4,7,10,13,16,7	$\psi(\kappa_{\omega^2})$
	$\psi(1 - 1 - 4)$
1,4,7,10,13,16,7,10	$\psi(1 - 2 \ 1 - 4)$
1,4,7,10,13,16,7,10,10	$\psi(1 - 2 - 2 \ 1 - 4)$
1,4,7,10,13,16,7,10,12,5	$\psi((2-)^{1,0} \ 1 - 4)$
1,4,7,10,13,16,7,10,13	$\psi(1 - 3 \ 1 - 4)$
1,4,7,10,13,16,7,10,13,10	$\psi(1 - 2 - 3 \ 1 - 4)$
1,4,7,10,13,16, 7,10,13,10,13	$\psi(1 - 3 \ 2 - 3 \ 1 - 4)$
1,4,7,10,13,16,7,10,13,13	$\psi(1 - 3 - 3 \ 1 - 4)$
1,4,7,10,13,16,7,10,13,14	$\psi((3-)^{\omega} \ 1 - 4)$
1,4,7,10,13,16,7,10,13,16	$\psi(1 - 4 \ 1 - 4)$
1,4,7,10,13,16,8	$\psi((4 \ 1-)^{\omega} \ 4)$
1,4,7,10,13,16,10	$\psi(1 - 2 - 4)$
1,4,7,10,13,16,10,13	$\psi(1 - 3 \ 2 - 4)$
1,4,7,10,13,16,10,13,16	$\psi(1 - 4 \ 2 - 4)$
1,4,7,10,13,16,11	$\psi((4 \ 2-)^{\omega} \ 4)$
1,4,7,10,13,16,13	$\psi(1 - 3 - 4)$

$0 - Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,7,10,13,16,13,14	$\psi((3-)^{\omega} 4)$
1,4,7,10,13,16,13,16	$\psi(1 - 4 \ 3 - 4)$
1,4,7,10,13,16,14	$\psi((4 \ 3-)^{\omega} 4)$
1,4,7,10,13,16,16	$\psi(1 - 4 - 4)$
1,4,7,10,13,16,16,13,16	$\psi(1 - 4 \ 3 - 4 - 4)$
1,4,7,10,13,16,16,13,16,16	$\psi(1 - 4 - 4 \ 3 - 4 - 4)$
1,4,7,10,13,16,16,16	$\psi(1 - 4 - 4 - 4)$
1,4,7,10,13,16,17	$\psi((4-)^{\omega})$
1,4,7,10,13,16,18	$\psi((4-)^{(2)})$
1,4,7,10,13,16,19	$\psi(1 - 5)$
1,4,7,10,13,16,19,10	$\psi(1 - 2 - 5)$
1,4,7,10,13,16,19,13	$\psi(1 - 3 - 5)$
1,4,7,10,13,16,19,16	$\psi(1 - 4 - 5)$
1,4,7,10,13,16,19,19	$\psi(1 - 5 - 5)$
1,4,7,10,13,16,19,20	$\psi((5-)^{\omega})$
1,4,7,10,13,16,19,22	$\psi(1 - 6)$
1,4,7,10,13,16,19,22,25	$\psi(1 - 7)$
1,4,7,10,13,16,19,22,25,28	$\psi(1 - 8)$
1,4,7,10,13,16, 19,22,25,28,31	$\psi(1 - 9)$
1,4,7,10,13,16, 19,22,25,28,31,34	$\psi(1 - 10)$
1,4,8	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $\psi(\psi_a(a_2))$
1,4,8,5	$\psi(\psi_a(\psi_{a_2}(a_2) + 1))$
1,4,8,6	$\psi(\psi_a(\psi_{a_2}(a_2) + \psi_a(0)))$
1,4,8,6,4,8	$\psi(\psi_a(\psi_{a_2}(a_2) + \psi_a(\psi_{a_2}(a_2))))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,6,9	$\psi((1-)^{1,0} \text{ aft } \omega)$ $\psi(\psi_{\Omega_{\lambda_{\alpha}(\alpha+1)-\Pi_0+1}}(0))$ $\psi(\psi_a(\psi_{a_2}(a_2) + a))$
1,4,8,6,9,12	$\psi(2 \text{ aft } \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2) + \Omega_{a+1}))$
1,4,8,6,10,14,17,14,17,11	$\psi(2 - 2 \text{ aft } \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2) + \Omega_{a+1}^{\Omega_{a+1}}))$
1,4,8,6,10,14,18,18,18	$\psi(1 - 2 - 2 - 2 \text{ aft } \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2) + \Omega_{a+1}^{\Omega_{a+1}^2} \cdot \omega))$
1,4,8,6,10,14,18,19	$\psi((2-)^{\omega} \text{ aft } \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2) + \Omega_{a+1}^{\Omega_{a+1}^{\omega}}))$
1,4,7,10,6,10,14,18,22	$\psi(1 - 3 \text{ aft } \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2) + \Omega_{a+1}^{\Omega_{a+1}^{\Omega_{a+1}}} \cdot \omega))$
1,4,8,6,10,14,18,22,26	$\psi(1 - 4 \text{ aft } \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2) + \Omega_{a+1}^{\Omega_{a+1}^{\Omega_{a+1}^{\Omega_{a+1}}}} \cdot \omega))$
1,4,8,6,10,15	$\psi(2\text{nd } \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2) \cdot 2))$
1,4,8,6,10,15,13,18,24	$\psi(3\text{rd } \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2) \cdot 3))$
1,4,8,7	$\psi(1 - \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2 + 1)))$
1,4,8,7,7	$\psi(1 - 1 - \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2 + 2)))$
1,4,8,7,9	$\psi((1-)^{\Omega} \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2 + \psi_a(0))))$
1,4,8,7,9,5	$\psi((1-)^{1,0} \omega)$ $\psi(\psi_a(\psi_{a_2}(a_2 + a)))$
1,4,8,7,10	$\psi(1 - 2 \ 1 - \omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1} \cdot \Omega_{a+1} \cdot \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2 + \psi_{a_2}(0) + 1)))$
1,4,8,7,10,10	$\psi(1 - 2 - 2 \ 1 - \omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1} \cdot \Omega_{a+1}^{\Omega_{a+1}} \cdot \omega))$
1,4,8,7,10,11	$\psi((2-)^{\omega} \ 1 - \omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1} \cdot \Omega_{a+1}^{\Omega_{a+1}^{\omega}}))$
1,4,8,7,10,13	$\psi(1 - 3 \ 1 - \omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1} \cdot \Omega_{a+1}^{\Omega_{a+1}^{\Omega_{a+1}}} \cdot \omega))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,7,10,13,16	$\psi(1-4\ 1-\omega)$
1,4,8,7,11	$\psi(\omega\ 1-\omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^2))$ $\psi(\psi_a(\psi_{a_2}(a_2 + \psi_{a_2}(a_2))))$
1,4,8,7,11,7	$\psi(1-\omega\ 1-\omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^2 \cdot \omega))$
1,4,8,7,11,7,10	$\psi(1-2\ 1-\omega\ 1-\omega)$
1,4,8,7,11,7,10,13	$\psi(1-3\ 1-\omega\ 1-\omega)$
1,4,8,7,11,7,11	$\psi(\omega\ 1-\omega\ 1-\omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^3))$
1,4,8,7,11,8	$\psi((\omega\ 1-)^{\omega}\ \omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^{\omega}))$
1,4,8,7,11,9	$\psi((\omega\ 1-)^{(2)}\ \omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^{\psi_a(0)}))$
1,4,8,7,11,9,5	$\psi((\omega\ 1-)^{1,0}\ \omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^a))$ $\psi(\psi_a(\psi_{a_2}(a_2 + \psi_{a_2}(a_2 + a))))$
1,4,8,7,11,10	$\psi(1-2-\omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^{\Omega_{a+1}} \cdot \omega))$
1,4,8,7,11,10,13	$\psi(1-3\ 2-\omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^{\Omega_{a+1}^2} \cdot \omega))$
1,4,8,7,11,10,14	$\psi(\omega\ 2-\omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^{\varepsilon_{\Omega_{a+1}+1}}))$
1,4,8,7,11,10,14,13,17	$\psi(\omega\ 3-\omega)$
1,4,8,8	$\psi(\omega-\omega)$ $\psi(\lambda\alpha.(\alpha+1)-\Pi_0-\lambda\alpha.(\alpha+1)-\Pi_0)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+2}))$ $\psi(\psi_a(\psi_{a_2}(a_2 \cdot 2)))$
1,4,8,8,8	$\psi(\omega-\omega-\omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+3}))$
1,4,8,9	$\psi((\omega-)^{\omega})$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+\omega}))$
1,4,8,10	$\psi((\omega-)^{(2)})$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+\psi_a(0)}))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,10,5	$\psi((\omega-)^{1,0})$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+a}))$
1,4,8,10,8	$\psi((\omega-)^{1,1})$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+a+1}))$
1,4,8,10,8,10,5	$\psi((\omega-)^{2,0})$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+a \cdot 2}))$
1,4,8,10,13	$\psi((1-)^{1,0} \text{ aft } (\omega+1))$
1,4,8,11	$\psi(1 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2} \cdot \omega))$
1,4,8,11,7	$\psi(1 - 1 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2} \cdot \omega^2))$
1,4,8,11,7,10	$\psi(1 - 2 \ 1 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2} \cdot \Omega_{a+1} \cdot \omega))$
1,4,8,11,7,10,13	$\psi(1 - 3 \ 1 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2} \cdot \Omega_{a+1}^{\Omega_{a+1}^{a+1}} \cdot \omega))$
1,4,8,11,7,11	$\psi(\omega \ 1 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2} \cdot \varepsilon_{\Omega_{a+1}+1}))$
1,4,8,11,7,11,11	$\psi(\omega - \omega \ 1 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2} \cdot \varepsilon_{\Omega_{a+1}+2}))$
1,4,8,11,7,11,14	$\psi(1 - (\omega+1) \ 1 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2}^2))$
1,4,8,11,7,11,14,10	$\psi(1 - 2 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2}^{\Omega_{a+1}} \cdot \omega))$
1,4,8,11,7,11,14,10,14	$\psi(\omega \ 2 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2}^{\varepsilon_{\Omega_{a+1}+1}}))$
1,4,8,11,7,11,14,10,14,17	$\psi(1 - (\omega+1) \ 2 - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2}^{\varepsilon_{\Omega_{a+1}+2}} \cdot \omega))$
1,4,8,11,7,11, 14,10,14,17,13	$\psi(1 - 3 - (\omega+1))$
1,4,8,11,7,11, 14,10,14,17,13,17,20	$\psi(1 - (\omega+1) \ 3 - (\omega+1))$
1,4,8,11,8	$\psi(\omega - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2+1}))$
1,4,8,11,8,8	$\psi(\omega - \omega - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2+2}))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,11,8,9	$\psi((\omega-)^{\omega}(\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2 + \omega}))$
1,4,8,11,8,10,5	$\psi((\omega-)^{1,0}(\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 2 + a}))$
1,4,8,11,8,11	$\psi(1 - (\omega+1) \omega - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot 3}))$
1,4,8,11,9	$\psi(((\omega+1) \omega-)^{\omega}(\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot \omega}))$
1,4,8,11,10,5	$\psi(((\omega+1) \omega-)^{1,0}(\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1} \cdot a}))$
1,4,8,11,11	$\psi(1 - (\omega+1) - (\omega+1))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^2 \cdot \omega}))$
1,4,8,11,12	$\psi(((\omega+1)-)^{\omega})$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\omega}}))$
1,4,8,11,13,5	$\psi(((\omega+1)-)^{1,0})$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^a}))$
1,4,8,11,14	$\psi(1 - (\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\Omega_{a+1}}}))$
1,4,8,11,14,8	$\psi(\omega - (\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\Omega_{a+1}+1}}))$
1,4,8,11,14,8,11	$\psi(1 - (\omega+1) \omega - (\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\Omega_{a+1}+1} + \Omega_{a+1} \cdot \omega}))$
1,4,8,11,14,8,11,14	$\psi(1 - (\omega+2) \omega - (\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\Omega_{a+1} \cdot 2} \cdot \omega}))$
1,4,8,11,14,10,5	$\psi(((\omega+2) \omega-)^{1,0}(\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\Omega_{a+1} \cdot a}}))$
1,4,8,11,14,11	$\psi(1 - (\omega+1) - (\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\Omega_{a+1}+1} \cdot \omega}))$
1,4,8,11,14,11,14	$\psi(1 - (\omega+2) (\omega+1) - (\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\Omega_{a+1} \cdot 2} \cdot \omega}))$
1,4,8,11,14,13,5	$\psi(((\omega+2) (\omega+1)-)^{1,0}(\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^{\Omega_{a+1} \cdot a}}))$
1,4,8,11,14,14	$\psi(1 - (\omega+2) - (\omega+2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}^2 \cdot \omega}))$

0-Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,11,14,14,11,14	$\psi(1 - (\omega + 2) \ (\omega + 1) - (\omega + 2) - (\omega + 2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}}^{\Omega_{a+1}^2 + \Omega_{a+1}} \cdot \omega))$
1,4,8,11,14,14,14	$\psi(1 - (\omega + 2) - (\omega + 2) - (\omega + 2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}}^{\Omega_{a+1}^3} \cdot \omega))$
1,4,8,11,14,15	$\psi(((\omega + 2) -)^\omega)$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}}^{\Omega_{a+1}^\omega}))$
1,4,8,11,14,17	$\psi(1 - (\omega + 3))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}}^{\Omega_{a+1}} \cdot \omega))$
1,4,8,11,14,17,20	$\psi(1 - (\omega + 4))$
1,4,8,11,15	$\psi(\Pi_{\omega \cdot 2})$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+1}}))$ $\psi(\psi_a(\psi_{a_2}(a_2 \cdot \psi_{a_2}(a_2))))$ $\psi(\lambda\alpha.(\alpha + 2) - \Pi_0)$
1,4,8,11,15,8	$\psi(\omega - (\omega \cdot 2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+1}+1}))$
1,4,8,11,15,8,11	$\psi(1 - (\omega + 1) \ \omega - (\omega \cdot 2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+1}+1+\Omega_{a+1}} \cdot \omega))$
1,4,8,11,15,8,11,15	$\psi((\omega \cdot 2) \ \omega - (\omega \cdot 2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+1} \cdot 2}))$
1,4,8,11,15,11	$\psi(1 - (\omega + 1) - (\omega \cdot 2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+1} \cdot \Omega_{a+1}} \cdot \omega))$
1,4,8,11,15,11,15	$\psi((\omega \cdot 2) \ (\omega + 1) - (\omega \cdot 2))$ $\psi(\psi_a(\varepsilon_{\Omega_{a+1}+1}^2))$
1,4,8,11,15,14	$\psi(1 - (\omega + 2) - (\omega \cdot 2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+1}}^{\Omega_{a+1}} \cdot \omega))$
1,4,8,11,15,14,18	$\psi((\omega \cdot 2) \ (\omega + 2) - (\omega \cdot 2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+1}}^{\varepsilon_{\Omega_{a+1}+1}}))$
1,4,8,11,15,15	$\psi((\omega \cdot 2) - (\omega \cdot 2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+2}}))$
1,4,8,11,15,16	$\psi(((\omega \cdot 2) -)^\omega)$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}+\omega}}))$
1,4,8,11,15,18	$\psi(1 - (\omega \cdot 2 + 1))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1} \cdot 2}} \cdot \omega))$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,11,15,18,15	$\psi((\omega \cdot 2) - (\omega \cdot 2 + 1))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1} \cdot 2 + 1}}))$
1,4,8,11,15,18,15,18	$\psi(1 - (\omega \cdot 2 + 1) \ (\omega \cdot 2) - (\omega \cdot 2 + 1))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1} \cdot 3}}))$
1,4,8,11,15,18,18	$\psi(1 - (\omega \cdot 2 + 1) - (\omega \cdot 2 + 1))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}^2} \cdot \omega}))$
1,4,8,11,15,18,20,5	$\psi(((\omega \cdot 2 + 1) -)^{1,0})$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}^a}}))$
1,4,8,11,15,18,21	$\psi(1 - (\omega \cdot 2 + 2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1}^{\omega}} \cdot \omega}))$
1,4,8,11,15,18,21,24	$\psi(1 - (\omega \cdot 2 + 3))$
1,4,8,11,15,18,22	$\psi(\Pi_{\omega \cdot 3})$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\Omega_{a+1} + 1}}))$ $\psi(\psi_a(\psi_{a_2}(a_2 \cdot \psi_{a_2}(a_2 \cdot \psi_{a_2}(a_2))))))$ $\psi(\lambda\alpha.(\alpha + 3) - \Pi_0)$
1,4,8,11,15,18,22,25,29	$\psi(\Pi_{\omega \cdot 4})$ $\psi(\lambda\alpha.(\alpha + 4) - \Pi_0)$
1,4,8,12	$\psi(\Pi_{\omega^2})$ $\psi(\psi_a(\zeta_{\Omega_{a+1} + 1}))$ $\psi(\psi_a(\psi_{a_2}(a_2^2)))$ $\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0)$
1,4,8,12,8	$\psi(\omega - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1} + 1 + 1}}))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 + a_2)))$
1,4,8,12,8,11	$\psi(1 - (\omega + 1) \ \omega - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1} + 1 + \Omega_{a+1}} \cdot \omega}))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 + a_2 \cdot \psi_{a_2}(0) + 1)))$
1,4,8,12,8,11,14	$\psi(1 - (\omega + 2) \ \omega - (\omega^2))$
1,4,8,12,8,11,15	$\psi((\omega \cdot 2) \ \omega - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1} + 1 + \varepsilon_{\Omega_{a+1}}}}))$
1,4,8,12,8,11,15,19	$\psi((\omega^2) \ \omega - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1} + 1 \cdot 2}}))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 + a_2 \cdot \psi_{a_2}(a_2^2))))$
1,4,8,12,8,11,15,19,9	$\psi(((\omega^2) \ \omega -)^{\omega} \ (\omega^2))$

0-Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,8,11,15,19,11	$\psi(1 - (\omega + 1) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1}+1} \cdot \Omega_{a+1}} \cdot \omega))$
1,4,8,12,8,11,15,19,11,14	$\psi(1 - (\omega + 2) - (\omega + 1) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1}+1} \cdot \Omega_{a+1}^{\Omega_{a+1}}} \cdot \omega))$
1,4,8,12,8,11,15,19,11,15	$\psi((\omega \cdot 2) - (\omega + 1) - (\omega^2))$
1,4,8,12,8,11, 15,19,11,15,19	$\psi((\omega^2) - (\omega + 1) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1}+1}^2}))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 + a_2 \cdot \psi_{a_2}(a_2^2 + \psi_{a_2}(a_2^2))))))$
1,4,8,12,8,11,15,19,14	$\psi(1 - (\omega + 2) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1}+1}^{\Omega_{a+1}}} \cdot \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 + a_2 \cdot \psi_{a_2}(a_2^2 + \psi_{a_2}(a_2^2 + \psi_{a_2}(0)))) + 1)))$
1,4,8,12,8,11,15,19,14,17	$\psi(1 - (\omega + 3) - (\omega + 2) - (\omega^2))$
1,4,8,12,8,11, 15,19,14,18,22	$\psi((\omega^2) - (\omega + 2) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\zeta_{\Omega_{a+1}+1}^{\zeta_{\Omega_{a+1}+1}}}))$
1,4,8,12,8,11, 15,19,14,18,22,15	$\psi(((\omega^2) - (\omega + 2))^\omega - (\omega^2))$
1,4,8,12,8,11, 15,19,14,18,22,17	$\psi(1 - (\omega + 3) - (\omega^2))$
1,4,8,12,8,11,15,19,15	$\psi((\omega \cdot 2) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\zeta_{\Omega_{a+1}+1}+1}}))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 + a_2 \cdot \psi_{a_2}(a_2^2 + a_2))))$
1,4,8,12,8,11,15,19,15,18	$\psi(1 - (\omega \cdot 2 + 1) - (\omega \cdot 2) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\zeta_{\Omega_{a+1}+1}+1} + \Omega_{a+1} \cdot 2} \cdot \omega))$
1,4,8,12,8,11, 15,19,15,18,22,26	$\psi((\omega^2) - (\omega \cdot 2) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\zeta_{\Omega_{a+1}+1} \cdot 2}}))$
1,4,8,12,8,11,15, 19,15,18,22,26,21	$\psi(1 - (\omega \cdot 2 + 1) - (\omega^2))$
1,4,8,12,8,11,15, 19,15,18,22,26,22	$\psi((\omega \cdot 3) - (\omega^2))$ $\psi(\psi_a(\varepsilon_{\varepsilon_{\zeta_{\Omega_{a+1}+1}+1}}))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 + a_2 \cdot \psi_{a_2}(a_2^2 + a_2 \cdot \psi_{a_2}(a_2^2 + a_2))))))$
1,4,8,12,8,12	$\psi((\omega^2) - (\omega^2))$ $\psi(\psi_a(\zeta_{\Omega_{a+1}+2}))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot 2)))$
1,4,8,12,9	$\psi(((\omega^2) - )^\omega)$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \omega)))$

$0-Y$ 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,10,5	$\psi(((\omega^2)-)^{1,0})$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot a)))$
1,4,8,12,11	$\psi(1 - (\omega^2 + 1))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(0) + 1)))$
1,4,8,12,11,8,12	$\psi((\omega^2) - (\omega^2 + 1))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(0) + a_2^2)))$
1,4,8,12,11,8,12,11	$\psi(1 - (\omega^2 + 1) \ (\omega^2) - (\omega^2 + 1))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(0) \cdot 2 + 1)))$
1,4,8,12,11,10,5	$\psi(((\omega^2 + 1) \ (\omega^2)-)^{1,0} \ (\omega^2 + 1))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a))))$
1,4,8,12,11,11	$\psi(1 - (\omega^2 + 1) - (\omega^2 + 1))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(\psi_{a_2}(0))))$
1,4,8,12,11,12	$\psi(((\omega^2 + 1)-)^\omega)$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(\psi_{a_2}(\psi_{a_2}(1)))))$
1,4,8,12,11,14	$\psi(1 - (\omega^2 + 2))$
1,4,8,12,11,15	$\psi(\Pi_{\omega^2+\omega})$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2)))$
1,4,8,12,11,15,8,12	$\psi((\omega^2) - (\omega^2 + \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2) + a_2^2)))$
1,4,8,12,11,15,8,12,11	$\psi(1 - (\omega^2 + 1) \ (\omega^2) - (\omega^2 + \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2) + a_2^2 \cdot \psi_{a_2}(0) + 1)))$
1,4,8,12,11,15,8,12,11,15	$\psi((\omega^2 + \omega) \ (\omega^2) - (\omega^2 + \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2) \cdot 2)))$
1,4,8,12,11,15,11	$\psi(1 - (\omega^2 + 1) - (\omega^2 + \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2 + \psi_{a_2}(0)) + 1)))$
1,4,8,12,11,15,11,12	$\psi(((\omega^2 + 1)-)^\omega \ (\omega^2 + \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2 + \psi_{a_2}(1)))))$
1,4,8,12,11,15,11,15	$\psi((\omega^2 + \omega) \ (\omega^2 + 1) - (\omega^2 + \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2 + \psi_{a_2}(a_2)))))$
1,4,8,12,11,15,14	$\psi(1 - (\omega^2 + 2) - (\omega^2 + \omega))$
1,4,8,12,11,15,15	$\psi((\omega^2 + \omega) - (\omega^2 + \omega))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2 \cdot 2)))$
1,4,8,12,11,15,18	$\psi((1 - (\omega^2 + \omega + 1)))$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2 \cdot \psi_{a_2}(0)))))$
1,4,8,12,11,15,18,22	$\psi(\Pi_{\omega^2+\omega \cdot 2})$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2 \cdot \psi_{a_2}(a_2)))))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,11,15,19	$\psi(\Pi_{\omega^2 \cdot 2})$ $\psi(\psi_a(\psi_{a_2}(a_2^2 \cdot \psi_{a_2}(a_2^2))))$
1,4,8,12,12	$\psi(\Pi_{\omega^3})$ $\psi(\psi_a(\psi_{a_2}(a_2^3)))$ $\psi(\lambda\alpha.(\alpha + \omega^2) - \Pi_0)$
1,4,8,12,12,12	$\psi(\Pi_{\omega^4})$ $\psi(\psi_a(\psi_{a_2}(a_2^4)))$ $\psi(\lambda\alpha.(\alpha + \omega^3) - \Pi_0)$
1,4,8,12,13	$\psi(\Pi_{\omega^\omega})$ $\psi(\psi_a(\psi_{a_2}(a_2^\omega)))$
1,4,8,12,13,15	$\psi(\Pi_{\psi(0)})$ $\psi(\psi_a(\psi_{a_2}(a_2^{\psi(0)})))$
1,4,8,12,13,16,20	$\psi(\Pi_{\psi(\Pi_\omega)})$ $\psi(\psi_a(\psi_{a_2}(a_2^{\psi(\psi_a(a_2))})))$
1,4,8,12,14	$\psi(\Pi_\Omega)$ $\psi(\psi_a(\psi_{a_2}(a_2^{\psi_a(0)})))$
1,4,8,12,14,4	$\psi(\Pi_{\Omega_\omega})$
1,4,8,12,14,4,8	$\psi(\Pi_{\Pi_\omega})$
1,4,8,12,14,4,8,12,14	$\psi(\Pi_{\Pi_\Omega})$
1,4,8,12,14,5	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $\psi(\psi_a(\psi_{a_2}(a_2^a)))$
1,4,8,12,14,5,3	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 + 1)$ $\psi(\psi_a(a_2^a) + 1)$
1,4,8,12,14,7	$\psi(1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $\psi(\psi_a(\psi_{a_2}(a_2^a + 1)))$
1,4,8,12,14,8	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $\psi(\psi_a(\psi_{a_2}(a_2^a + a_2)))$
1,4,8,12,14,8,12	$\psi((\omega^2) - (\lambda\alpha.(\alpha \cdot 2) - \Pi_0))$ $\psi(\psi_a(\psi_{a_2}(a_2^a + a_2^2)))$
1,4,8,12,14,8,12,14	$\psi(\lambda\alpha.(\alpha + \Omega) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $\psi(\psi_a(\psi_{a_2}(a_2^a + a_2^{\psi_a(0)})))$
1,4,8,12,14,8, 12,14,4,8,12,14,5	$\psi(\lambda\alpha.(\alpha + \lambda\alpha.(\alpha \cdot 2) - \Pi_0) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $\psi(\psi_a(\psi_{a_2}(a_2^a + a_2^{\psi_a(\psi_{a_2}(a_2^a))})))$
1,4,8,12,14,8,12,14,5	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot 2)))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,14,8, 12,14,8,12,14,5	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0 -)^3)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot 3)))$
1,4,8,12,14,9	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0 -)^\omega)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot \omega)))$
1,4,8,12,14,10,5	$\psi((\lambda\alpha.(\alpha \cdot 2) - \Pi_0 -)^{1,0})$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot a)))$
1,4,8,12,14,11	$\psi(1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot \psi_{a_2}(0) + 1)))$
1,4,8,12,14,11,8,12,14,5	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot \psi_{a_2}(0) + a_2^a)))$
1,4,8,12,14,11,8,12,14,11	$\psi(1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot \psi_{a_2}(0) \cdot 2 + 1)))$
1,4,8,12,14,11,11	$\psi(1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_1)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot \psi_{a_2}(\psi_{a_2}(0)) + 1)))$
1,4,8,12,14,11,14	$\psi(1 - \lambda\alpha.(\alpha \cdot 2) - \Pi_2)$
1,4,8,12,14,11,15	$\psi(\lambda\alpha.(\alpha \cdot 2 + 1) - \Pi_0)$ $\psi(\psi_a(a_2^a \cdot \psi_{a_2}(a_2)))$
1,4,8,12,14,11,15,19,21	$\psi(\lambda\alpha.(\alpha \cdot 2 + \Omega) - \Pi_0)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot \psi_{a_2}(a_2^{\psi_a(0)}))))$
1,4,8,12,14,11,15,19,21,5	$\psi(\lambda\alpha.(\alpha \cdot 3) - \Pi_0)$ $\psi(\psi_a(\psi_{a_2}(a_2^a \cdot \psi_{a_2}(a_2^a))))$
1,4,8,12,14,11, 15,19,21,15,19,21,5	$\psi(\lambda\alpha.(\alpha \cdot 3) - \Pi_0 - \lambda\alpha.(\alpha \cdot 3) - \Pi_0)$ $\psi(\psi_a(a_2^a \cdot \psi_{a_2}(a_2^a \cdot 2)))$
1,4,8,12,14,11, 15,19,21,18,22	$\psi(\lambda\alpha.(\alpha \cdot 3 + 1) - \Pi_0)$ $\psi(\psi_a(a_2^a \cdot \psi_{a_2}(a_2^a \cdot \psi_{a_2}(a_2))))$
1,4,8,12,14,11, 15,19,21,18,22,26,28,5	$\psi(\lambda\alpha.(\alpha \cdot 4) - \Pi_0)$ $\psi(\psi_a(a_2^a \cdot \psi_{a_2}(a_2^a \cdot \psi_{a_2}(a_2^a))))$
1,4,8,12,14,12	$\psi(\lambda\alpha.(\alpha \cdot \omega) - \Pi_0)$ $\psi(\psi_a(a_2^{a+1}))$
1,4,8,12,14,12, 11,15,19,21,5	$\psi(\lambda\alpha.(\alpha \cdot \omega + \alpha) - \Pi_0)$ $\psi(\psi_a(a_2^{a+1} \cdot \psi_{a_2}(a_2^a)))$
1,4,8,12,14,12, 11,15,19,21,19	$\psi(\lambda\alpha.(\alpha \cdot \omega \cdot 2) - \Pi_0)$ $\psi(\psi_a(a_2^{a+1} \cdot \psi_{a_2}(a_2^{a+1})))$
1,4,8,12,14,12,12	$\psi(\lambda\alpha.(\alpha \cdot \omega^2) - \Pi_0)$ $\psi(\psi_a(a_2^{a+2}))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,14,12,14	$\psi(\lambda\alpha.(\alpha \cdot \Omega) - \Pi_0)$ $\psi(\psi_a(a_2^{a+\psi_a(0)}))$
1,4,8,12,14,12, 14,4,8,12,14,12	$\psi(\lambda\alpha.(\alpha \cdot \lambda\alpha.(\alpha \cdot \omega) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_2^{a+\psi_a(a_2^{a+1})}))$
1,4,8,12,14,12,14,5	$\psi(\lambda\alpha.(\alpha^2) - \Pi_0)$ $\psi(\psi_a(a_2^{a \cdot 2}))$
1,4,8,12,14,12, 14,11,15,19,21,5	$\psi(\lambda\alpha.(\alpha^2 + \alpha) - \Pi_0)$ $\psi(\psi_a(a_2^{a \cdot 2} \cdot \psi_{a_2}(a_2^a)))$
1,4,8,12,14,12,14, 11,15,19,21,19,21,5	$\psi(\lambda\alpha.(\alpha^2 \cdot 2) - \Pi_0)$ $\psi(\psi_a(a_2^{a \cdot 2} \cdot \psi_{a_2}(a_2^{a \cdot 2})))$
1,4,8,12,14,12,14,12	$\psi(\lambda\alpha.(\alpha^2 \cdot \omega) - \Pi_0)$ $\psi(\psi_a(a_2^{a \cdot 2+1}))$
1,4,8,12,14,12,14,12,14,5	$\psi(\lambda\alpha.(\alpha^3) - \Pi_0)$ $\psi(\psi_a(a_2^{a \cdot 3}))$
1,4,8,12,14,13	$\psi(\lambda\alpha.(\alpha^\omega) - \Pi_0)$ $\psi(\psi_a(a_2^{a \cdot \omega}))$
1,4,8,12,14,14	$\psi(\lambda\alpha.(\alpha^\Omega) - \Pi_0)$ $\psi(\psi_a(a_2^{a \cdot \psi_a(0)}))$
1,4,8,12,14,14,5	$\psi(\lambda\alpha.(\alpha^\alpha) - \Pi_0)$ $\psi(\psi_a(a_2^{a^2}))$
1,4,8,12,14,14,12,14,5	$\psi(\lambda\alpha.(\alpha^{\alpha+1}) - \Pi_0)$ $\psi(\psi_a(a_2^{a^2+a}))$
1,4,8,12,14,14,12,14,14,5	$\psi(\lambda\alpha.(\alpha^{\alpha \cdot 2}) - \Pi_0)$ $\psi(\psi_a(a_2^{a^2 \cdot 2}))$
1,4,8,12,14,14,14,5	$\psi(\lambda\alpha.(\alpha^{\alpha^2}) - \Pi_0)$ $\psi(\psi_a(a_2^{a^3}))$
1,4,8,12,14,16,5	$\psi(\lambda\alpha.(\alpha^{\alpha^\alpha}) - \Pi_0)$ $\psi(\psi_a(a_2^{a^a}))$
1,4,8,12,14,17	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$ $\psi(\lambda\alpha.(\varepsilon_{\alpha+1}) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(0)}))$
1,4,8,12,14,17, 11,15,19,21,5	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) + \alpha) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(0)} \cdot \psi_{a_2}(a_2^a)))$
1,4,8,12,14,17, 11,15,19,21,23,23,5	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) + \alpha^\alpha) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(0)} \cdot \psi_{a_2}(a_2^{a^2})))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,14,17, 11,15,19,21,24	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) \cdot 2) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(0)} \cdot \psi_{a_2}(a_2^{\psi_{\Omega_{\alpha+1}}(0)})))$
1,4,8,12,14,17,12	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0) \cdot \omega) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(0)+1}))$
1,4,8,12,14,17,12,14,17	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)^2) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(0) \cdot 2}))$
1,4,8,12,14,17,13	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)^\omega) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(0) \cdot \omega}))$
1,4,8,12,14,17,14,5	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)^\alpha) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(0) \cdot a}))$
1,4,8,12,14,17,14,17	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(0)^{\psi_{\Omega_{\alpha+1}}(0)} - \Pi_0)$
1,4,8,12,14,17,17	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(1)) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(1)}))$
1,4,8,12,14,17,18	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\omega)) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(\omega)}))$
1,4,8,12,14,17,19,5	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\alpha)) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(\alpha)}))$
1,4,8,12,14,17,19,22	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(0))) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+1}}(0))}))$
1,4,8,12,14,17,20	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})}))$
1,4,8,12,14,17,20,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1}^{\Omega_{\alpha+1}})) - \Pi_0)$
1,4,8,12,14,17,21	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\psi_{\Omega_{\alpha+2}}(0))) - \Pi_0)$
1,4,8,12,14,18	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$
1,4,8,12,14,18,22,26	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(I_{\alpha+\omega})) - \Pi_0)$
1,4,8,12,14,18,22,26,26	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(M_{\alpha+\omega})) - \Pi_0)$
1,4,8,12,14,18,22,26,30	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(K_{\alpha+\omega})) - \Pi_0)$
1,4,8,12,14,18,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18,23,28,30,5	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + \alpha) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18,23,28,30,33	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18, 23,28,30,33,36	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,14,18,23,28,31	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + \Omega_{\alpha+1}) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18,23,28,31,18	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + \Omega_{\alpha+\omega}) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18,23,28,31,19	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' \cdot 2) - \Pi_0))) - \Pi_0)$
1,4,8,12,14,18,23,28,31,28	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' \cdot \omega) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18, 23,28,31,28,31,19	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha'^2) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18, 23,28,31,31,19	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha'^{\alpha'}) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18,23,28,31,35	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(0)) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18, 23,28,31,35,39	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(\Omega_{\alpha'+1})) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18,23,28,31,36	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(\Omega_{\alpha'+\omega})) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18, 23,28,31,36,42	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(\lambda\alpha''.(\alpha'' + 1) - \Pi_0)) - \Pi_0)) - \Pi_0)$
1,4,8,12,14,18,23, 28,31,36,42,48,52,57	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(\lambda\alpha''.(\psi_{\Omega_{\alpha''+1}}(0)) - \Pi_0)) - \Pi_0)) - \Pi_0)$
1,4,8,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$ $\psi(\psi_a(a_2^{\psi_{a_2}(0)}))$
1,4,8,12,15,3	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 + 1)$
1,4,8,12,15,7	$\psi(1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$ $\psi(\psi_a(a_2^{\psi_{a_2}(0)} + \psi_{a_2}(a_2^{\psi_{a_2}(0)} + 1)))$
1,4,8,12,15,8	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$
1,4,8,12,15,8,12	$\psi(\lambda\alpha.(\alpha + \omega) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_0)$
1,4,8,12,15,8,12,14,5	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$
1,4,8,12,15,8,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1)$
1,4,8,12,15,9	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 -)^{\omega})$
1,4,8,12,15,10,5	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 -)^{1,0})$
1,4,8,12,15,11	$\psi(1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
1,4,8,12,15,11,8,12,15,11	$\psi(1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$
1,4,8,12,15,11,11	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,15,11,12	$\psi((\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_2)^\omega)$
1,4,8,12,15,11,14	$\psi(1 - \lambda\alpha.(\Omega_{\alpha+1}) - \Pi_3)$
1,4,8,12,15,11,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + 1) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(0)} \cdot \psi_{a_2}(a_2)))$
1,4,8,12,15,11,15,19	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \omega) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(0)} \cdot \psi_{a_2}(a_2^2)))$
1,4,8,12,15,11,15,19,21,5	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha) - \Pi_0)$
1,4,8,12,15,11, 15,19,21,18,22,26,28,5	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha \cdot 2) - \Pi_0)$
1,4,8,12,15,11,15,19,21,19	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha \cdot \omega) - \Pi_0)$
1,4,8,12,15,11, 15,19,21,19,21,5	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \alpha^2) - \Pi_0)$
1,4,8,12,15,11,15,19,21,24	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$
1,4,8,12,15,11, 15,19,21,24,24	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(1)) - \Pi_0)$
1,4,8,12,15,11, 15,19,21,24,27	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$
1,4,8,12,15,11,15,19,21,25	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$
1,4,8,12,15,11, 15,19,21,25,30	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,8,12,15,11,15, 19,21,25,30,35,37,5	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + \alpha) - \Pi_0)) - \Pi_0)$
1,4,8,12,15,11,15,19,21, 25,30,35,38,35,38,26	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' \cdot 2) - \Pi_0)) - \Pi_0)$
1,4,8,12,15,11,15, 19,21,25,30,35,38,42	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(0)) - \Pi_0)) - \Pi_0)$
1,4,8,12,15,11,15, 19,21,25,30,35,39	$\psi(\lambda\alpha.(\Omega_{\alpha+1} + \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1)) - \Pi_0)$
1,4,8,12,15,11,15,19,22	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 2) - \Pi_0)$
1,4,8,12,15,11,15, 19,22,18,22,26,29	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot 3) - \Pi_0)$
1,4,8,12,15,12	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \omega))$
1,4,8,12,15,12,14,5	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \alpha) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(0)+a}))$
1,4,8,12,15,12,14,17	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,15,12,14,17,20	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$
1,4,8,12,15,12,14,18	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+\omega})) - \Pi_0)$
1,4,8,12,15,12,14,18,23	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,8,12,15,12, 14,18,23,28,32	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1)) - \Pi_0)$
1,4,8,12,15,12, 14,18,23,28,32,28	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1} \cdot \omega) - \Pi_0)) - \Pi_0)$
1,4,8,12,15,12, 14,18,23,28,32,28,30,19	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1} \cdot \alpha') - \Pi_0)) - \Pi_0)$
1,4,8,12,15,12,14, 18,23,28,32,28,31,35	$\psi(\lambda\alpha.(\Omega_{\alpha+1} \cdot \psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1} \cdot \psi_{\Omega_{\alpha'+1}}(0)) - \Pi_0)) - \Pi_0)$
1,4,8,12,15,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^2) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(0) \cdot 2}))$
1,4,8,12,15,12,15,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^3) - \Pi_0)$
1,4,8,12,15,13	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^\omega) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(1)}))$
1,4,8,12,15,14,5	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^\alpha) - \Pi_0)$
1,4,8,12,15,14,17	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\psi_{\Omega_{\alpha+1}}(0)}) - \Pi_0)$
1,4,8,12,15,14,17,20	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})}) - \Pi_0)$
1,4,8,12,15,14,18,23,28,32	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1)}) - \Pi_0)$
1,4,8,12,15,14, 18,23,28,32,31,19	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\psi_{\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_0)}) - \Pi_0)$
1,4,8,12,15,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\Omega_{\alpha+1}}) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(\psi_{a_2}(0))}))$
1,4,8,12,15,16	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\Omega_{\alpha+1}^\omega}) - \Pi_0)$
1,4,8,12,15,18	$\psi(\lambda\alpha.(\Omega_{\alpha+1}^{\Omega_{\alpha+1}^{\Omega_{\alpha+1}}}) - \Pi_0)$
1,4,8,12,15,19	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(0)) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(a_2)}))$
1,4,8,12,15,19,19	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(1)) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(a_2 \cdot 2)}))$
1,4,8,12,15,19,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(a_2^2)}))$
1,4,8,12,15,19,23,19,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} \cdot 2)) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,8,12,15,19,23,20	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} \cdot \omega)) - \Pi_0)$
1,4,8,12,15,19,23,21,5	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} \cdot \alpha)) - \Pi_0)$
1,4,8,12,15,19,23,22	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2} \cdot \Omega_{\alpha+1})) - \Pi_0)$
1,4,8,12,15,19,23,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^2)) - \Pi_0)$
1,4,8,12,15,19,23,26	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+1}})) - \Pi_0)$
1,4,8,12,15,19,23,26,30	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\psi_{\Omega_{\alpha+2}}(0)})) - \Pi_0)$
1,4,8,12,15,19, 23,26,30,34,37	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+1}})})) - \Pi_0)$
1,4,8,12,16	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+2}})) - \Pi_0)$
1,4,8,12,16,20	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+2}^{\Omega_{\alpha+2}}})) - \Pi_0)$
1,4,8,13	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(0))) - \Pi_0)$ $\psi(\psi_a(a_2^{\psi_{a_2}(a_2^3)}))$
1,4,8,13,18	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+3})) - \Pi_0)$
1,4,8,14	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+\omega})) - \Pi_0)$
1,4,8,14,20,26	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(I_{\alpha+\omega})) - \Pi_0)$
1,4,8,14,21	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,8,14,21,28,30,5	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + \alpha) - \Pi_0)) - \Pi_0)$
1,4,8,14,21,28,33,15	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' \cdot 2) - \Pi_0)) - \Pi_0)$
1,4,8,14,21,28,33,39	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+1}}(0)) - \Pi_0)) - \Pi_0)$
1,4,8,14,21,28,34	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1)) - \Pi_0)$
1,4,8,14,21,28,35	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+1}^{\Omega_{\alpha'+1}}) - \Pi_0)) - \Pi_0)$
1,4,8,14,21,29	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(0)) - \Pi_0)) - \Pi_0)$
1,4,8,14,21,29,37	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+2})) - \Pi_0)) - \Pi_0)$
1,4,8,14,21,30	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\Omega_{\alpha'+\omega})) - \Pi_0)) - \Pi_0)$
1,4,8,14,21,30,40	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\psi_{\Omega_{\alpha'+2}}(\lambda\alpha''.(\alpha'' + 1) - \Pi_0)) - \Pi_0)) - \Pi_0)$
1,4,9	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}))$ BGO

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,3	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 + 1)$
1,4,9,8	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
1,4,9,8,12,14,5	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
1,4,9,8,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
1,4,9,8,12,15,19	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(0)) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
1,4,9,8,12,15,19,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
1,4,9,8,12,15,19,25	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+\omega})) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_0)$
1,4,9,8,12,15,20	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
1,4,9,8,12,15, 20,8,12,15,20	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)$
1,4,9,8,12,15,20,9	$\psi((\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)^\omega)$
1,4,9,8,12,15,20,11	$\psi(1 - \lambda\alpha.(\Omega_{\alpha+2}) - \Pi_2)$
1,4,9,8,12,15,20,11,15	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + 1) - \Pi_0)$
1,4,9,8,12,15,20,11,15,19	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \omega) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,19,21	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \Omega) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,19,21,5	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \alpha) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,19,21,24	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,19,22	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \Omega_{\alpha+1}) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,19,22,26	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(0)) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,19,22,26,30	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,19,23	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+2}^{\Omega_{\alpha+2}})) - \Pi_0)$
1,4,9,8,12,15,20,11,15,20	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\psi_{\Omega_{\alpha+3}}(0))) - \Pi_0)$
1,4,9,8,12,15,20,11,15,21	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\Omega_{\alpha+\omega})) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,21,28	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,8,12,15, 20,11,15,21,28,35,41	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1)) - \Pi_0)$
1,4,9,8,12,15, 20,11,15,21,29	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+2}) - \Pi_1)) - \Pi_0)$
1,4,9,8,12,15,20,11,15, 21,29,28,35,41,49,34,41	$\psi(\lambda\alpha.(\Omega_{\alpha+2} + \psi_{\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+2} + 1) - \Pi_0)) - \Pi_0)$
1,4,9,8,12,15,20,11,16	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 2) - \Pi_0)$
1,4,9,8,12,15,20,11,16, 15,19,22,27,18,23	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot 3) - \Pi_0)$
1,4,9,8,12,15,20,12	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega) - \Pi_0)$
1,4,9,8,12,15,20,12,12	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \omega^2) - \Pi_0)$
1,4,9,8,12,15,20,12,14,5	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \alpha) - \Pi_0)$
1,4,9,8,12,15,20,12,14,17	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \psi_{\Omega_{\alpha+1}}(0)) - \Pi_0)$
1,4,9,8,12,15,20,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+2} \cdot \Omega_{\alpha+1}) - \Pi_0)$
1,4,9,8,12,15,20,12,15,20	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^2) - \Pi_0)$
1,4,9,8,12,15,20,13	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^\omega) - \Pi_0)$
1,4,9,8,12,15,20,14,5	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^\alpha) - \Pi_0)$
1,4,9,8,12,15,20,15	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^{\Omega_{\alpha+1}}) - \Pi_0)$
1,4,9,8,12,15,20,15,20	$\psi(\lambda\alpha.(\Omega_{\alpha+2}^{\Omega_{\alpha+2}}) - \Pi_0)$
1,4,9,8,12,15,20,19	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(0)) - \Pi_0)$
1,4,9,8,12,15,20,19,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3})) - \Pi_0)$
1,4,9,8,12,15, 20,19,23,19,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3} \cdot 2)) - \Pi_0)$
1,4,9,8,12,15,20,19,23,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}^2)) - \Pi_0)$
1,4,9,8,12,16	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+3}^{\Omega_{\alpha+3}})) - \Pi_0)$
1,4,9,8,13	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\psi_{\Omega_{\alpha+4}}(0))) - \Pi_0)$
1,4,9,8,14	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\Omega_{\alpha+\omega})) - \Pi_0)$
1,4,9,8,14,21	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,9,8,14,21,28,34	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\alpha'.(\Omega_{\alpha'+1}) - \Pi_1)) - \Pi_0)$
1,4,9,8,14,22	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\alpha'.(\Omega_{\alpha'+2}) - \Pi_1)) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,8,14,22,21,28,35	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+3}}(\lambda\alpha'.(\psi_{\Omega_{\alpha+3}}(0)) - \Pi_0)) - \Pi_0)$
1,4,9,9	$\psi(\lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1} \cdot 2))$
1,4,9,9,9	$\psi(\lambda\alpha.(\Omega_{\alpha+4}) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1} \cdot 3))$
1,4,9,10	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1} \cdot \omega))$
1,4,9,10,3	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0 + 1)$ $\psi(\psi_a(\Omega_{a_2+1} \cdot \omega) + 1)$
1,4,9,10,7	$\psi(1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
1,4,9,10,8	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
1,4,9,10,8,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
1,4,9,10,8,12,15,20	$\psi(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
1,4,9,10,8,12,15,20,20	$\psi(\lambda\alpha.(\Omega_{\alpha+3}) - \Pi_1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
1,4,9,10,8,12,15,20,21	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_0)$
1,4,9,10,8,12,15,20,21,11	$\psi(1 - \lambda\alpha.(\Omega_{\alpha+\omega}) - \Pi_2)$
1,4,9,10,8,12, 15,20,21,11,15	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} + 1) - \Pi_0)$
1,4,9,10,8,12,15, 20,21,11,15,19,21,5	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} + \alpha) - \Pi_0)$
1,4,9,10,8,12,15, 20,21,11,15,19,22	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} + \Omega_{\alpha+1}) - \Pi_0)$
1,4,9,10,8,12,15, 20,21,11,15,20	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} + \Omega_{\alpha+2}) - \Pi_0)$
1,4,9,10,8,12,15, 20,21,11,15,20,21	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot 2) - \Pi_0)$
1,4,9,10,8,12,15,20,21,12	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot \omega) - \Pi_0)$
1,4,9,10,8,12, 15,20,21,12,14,5	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot \alpha) - \Pi_0)$
1,4,9,10,8,12,15,20,21,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot \Omega_{\alpha+1}) - \Pi_0)$
1,4,9,10,8,12, 15,20,21,12,15,20	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega} \cdot \Omega_{\alpha+2}) - \Pi_0)$
1,4,9,10,8,12,15, 20,21,12,15,20,21	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}^2) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,10,8,12, 15,20,21,14,5	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}^\alpha) - \Pi_0)$
1,4,9,10,8,12,15,20,21,15	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}^{\Omega_{\alpha+\omega}^{\alpha+1}}) - \Pi_0)$
1,4,9,10,8,12,15, 20,21,15,20,21	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega}^{\Omega_{\alpha+\omega}^\alpha}) - \Pi_0)$
1,4,9,10,8,12,15,20,21,19	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(0)) - \Pi_0)$
1,4,9,10,8,12, 15,20,21,19,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega+1})) - \Pi_0)$
1,4,9,10,8,12,16	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega+1}^{\Omega_{\alpha+\omega+1}^\alpha})) - \Pi_0)$
1,4,9,10,8,14	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\Omega_{\alpha+\omega \cdot 2})) - \Pi_0)$
1,4,9,10,8,14,21	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha+\omega+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,9,10,9	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega+1}) - \Pi_1)$
1,4,9,10,9,10	$\psi(\lambda\alpha.(\Omega_{\alpha+\omega \cdot 2}) - \Pi_0)$
1,4,9,11	$\psi(\lambda\alpha.(\Omega_{\alpha+\Omega}) - \Pi_0)$
1,4,9,11,5	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1} \cdot a))$
1,4,9,11,8	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0 - \lambda\alpha.(\Omega_{\alpha \cdot 2}) - \Pi_0)$
1,4,9,11,8,12,15, 20,22,12,15,20,22,5	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2} \cdot 2) - \Pi_0)$
1,4,9,11,8,14,21	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,9,11,8,14,22	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+2}) - \Pi_1)) - \Pi_0)$
1,4,9,11,8,14,22,24,5	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\alpha}) - \Pi_0)) - \Pi_0)$
1,4,9,11,8,14,22,25	$\psi(\lambda\alpha.(\psi_{\Omega_{\alpha \cdot 2+1}}(\lambda\alpha'.(\Omega_{\alpha'+\Omega_{\alpha+1}}) - \Pi_0)) - \Pi_0)$
1,4,9,11,9	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 2+1}) - \Pi_1)$
1,4,9,11,9,11,5	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot 3}) - \Pi_0)$
1,4,9,11,10	$\psi(\lambda\alpha.(\Omega_{\alpha \cdot \omega}) - \Pi_0)$
1,4,9,11,11,5	$\psi(\lambda\alpha.(\Omega_{\alpha^2}) - \Pi_0)$
1,4,9,11,13,5	$\psi(\lambda\alpha.(\Omega_{\alpha^\alpha}) - \Pi_0)$
1,4,9,11,14	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(0)}) - \Pi_0)$
1,4,9,11,14,17	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\alpha+1}}(\Omega_{\alpha+1})}) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,11,15,20	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+1}}(\lambda\alpha'.(\alpha'+1)-\Pi_0)) - \Pi_0)$
1,4,9,11,15,21	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+1})-\Pi_1)) - \Pi_0)$
1,4,9,11,15,21,23,5	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'+\alpha})-\Pi_0)) - \Pi_0)$
1,4,9,11,15,21,24,16	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\alpha'.2})-\Pi_0)) - \Pi_0)$
1,4,9,11,15,21,24,28	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+1}}(\lambda\alpha'.(\Omega_{\psi\Omega_{\alpha'+1}}(0))-\Pi_0)) - \Pi_0)$
1,4,9,12	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}}) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1} \cdot \psi_{a_2}(0)))$
1,4,9,12,9	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}+1}) - \Pi_1)$
1,4,9,12,9,11,5	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}+\alpha}) - \Pi_0)$
1,4,9,12,9,12	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}.2}) - \Pi_0)$
1,4,9,12,11,5	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}.\alpha}) - \Pi_0)$
1,4,9,12,12	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}^2}) - \Pi_0)$
1,4,9,12,14,5	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}^\alpha}) - \Pi_0)$
1,4,9,12,15	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+1}^{\Omega_{\alpha+1}}}) - \Pi_0)$
1,4,9,12,16	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+2}}(0)) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1} \cdot \psi_{a_2}(a_2)))$
1,4,9,12,16,20	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+2}}(\Omega_{\alpha+2})) - \Pi_0)$
1,4,9,12,16,22,29	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+2}}(\lambda\alpha'.(\alpha'+1)-\Pi_0)) - \Pi_0)$
1,4,9,12,16,22,30	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\alpha'+1})-\Pi_1)) - \Pi_0)$
1,4,9,12,16,22,30,36	$\psi(\lambda\alpha.(\Omega_{\psi\Omega_{\alpha+2}}(\lambda\alpha'.(\Omega_{\Omega_{\alpha'+1}})-\Pi_0)) - \Pi_0)$
1,4,9,12,17	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+2}}) - \Pi_0)$
1,4,9,12,17,17	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+3}}) - \Pi_0)$
1,4,9,12,17,18	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha+\omega}}) - \Pi_0)$
1,4,9,12,17,19,5	$\psi(\lambda\alpha.(\Omega_{\Omega_{\alpha.2}}) - \Pi_0)$
1,4,9,12,17,20	$\psi(\lambda\alpha.(\Omega_{\Omega_{\Omega_{\alpha+1}}}) - \Pi_0)$
1,4,9,13	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(0)) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1} \cdot a_2))$
1,4,9,13,9	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+1}) - \Pi_1)$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,13,9,11,5	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\alpha}) - \Pi_0)$
1,4,9,13,9,12	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\Omega_{\alpha+1}}) - \Pi_0)$
1,4,9,13,9,12,17	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\Omega_{\alpha+2}}) - \Pi_0)$
1,4,9,13,9,12,17,19,5	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\Omega_{\alpha+2}}) - \Pi_0)$
1,4,9,13,9,12,17,20	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)+\Omega_{\alpha+1}}) - \Pi_0)$
1,4,9,13,9,12,17,21	$\psi(\lambda\alpha.(\Omega_{\psi_{I_{\alpha+1}}(0)\cdot 2}) - \Pi_0)$
1,4,9,13,9,12, 17,21,9,12,17,21	$\psi(\Omega_{\psi_{I_{\alpha+1}}(0)\cdot 3})$
1,4,9,13,9,12,17,21,16	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{\psi_{I_{\alpha+1}}(0)+1}(0)}}) - \Pi_0)$
1,4,9,13,9,12,17,21,17	$\psi(\lambda\alpha.(\Omega_{\Omega_{\psi_{I_{\alpha+1}}(0)+1}}) - \Pi_0)$
1,4,9,13,9,13	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(1)) - \Pi_0)$
1,4,9,13,10	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\omega)) - \Pi_0)$
1,4,9,13,11,5	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\alpha)) - \Pi_0)$
1,4,9,13,12	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\Omega_{\alpha+1})) - \Pi_0)$
1,4,9,13,12,17,21	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\psi_{I_{\alpha+1}}(0))) - \Pi_0)$
1,4,9,13,13	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1})) - \Pi_0)$
1,4,9,13,13,9,13,13	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1} \cdot 2)) - \Pi_0)$
1,4,9,13,13,13	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^2)) - \Pi_0)$
1,4,9,13,15,5	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^\alpha)))$
1,4,9,13,16	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^{\Omega_{\alpha+1}})) - \Pi_0)$
1,4,9,13,17	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(I_{\alpha+1}^{I_{\alpha+1}})) - \Pi_0)$
1,4,9,13,18	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\psi_{\Omega_{I_{\alpha+1}+1}}(0))) - \Pi_0)$
1,4,9,13,19	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\Omega_{I_{\alpha+1}+\omega})) - \Pi_0)$
1,4,9,13,19,26	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,9,13,19,27,34	$\psi(\lambda\alpha.(\psi_{I_{\alpha+1}}(\lambda\alpha'.(\psi_{I_{\alpha'+1}}(0)) - \Pi_0)) - \Pi_0)$
1,4,9,14	$\psi(\lambda\alpha.(I_{\alpha+1}) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}^2))$
1,4,9,14,9	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+1}) - \Pi_1)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,14,9,12,17,21	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}+\psi_{I_{\alpha+1}}(0)} - \Pi_0))$
1,4,9,14,9,12,17,22	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}\cdot 2} - \Pi_0))$
1,4,9,14,9,12, 17,22,9,12,17,22	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}\cdot 3} - \Pi_0))$
1,4,9,14,9,12,17,22,12	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}\cdot \Omega_{\alpha+1}} - \Pi_0))$
1,4,9,14,9,12, 17,22,12,17,22	$\psi(\lambda\alpha.(\Omega_{I_{\alpha+1}^2} - \Pi_0))$
1,4,9,14,9,12,17,22,16	$\psi(\lambda\alpha.(\Omega_{\psi_{\Omega_{I_{\alpha+1}+1}}(0)} - \Pi_0))$
1,4,9,14,9,12,17,22,17	$\psi(\lambda\alpha.(\Omega_{\Omega_{I_{\alpha+1}}} - \Pi_0))$
1,4,9,14,9,13	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(0)) - \Pi_0)$
1,4,9,14,9,13,13	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(I_{\alpha+2})) - \Pi_0)$
1,4,9,14,9,13,18	$\psi(\lambda\alpha.(\psi_{I_{\alpha+2}}(\psi_{\Omega_{I_{\alpha+2}+1}}(0))) - \Pi_0)$
1,4,9,14,9,14	$\psi(\lambda\alpha.(I_{\alpha+2} - \Pi_1))$
1,4,9,14,10	$\psi(\lambda\alpha.(I_{\alpha+\omega} - \Pi_0))$
1,4,9,14,11,5	$\psi(\lambda\alpha.(I_{\alpha\cdot 2} - \Pi_0))$
1,4,9,14,11,14	$\psi(\lambda\alpha.(I_{\psi_{\Omega_{\alpha+1}}(0)} - \Pi_0))$
1,4,9,14,12	$\psi(\lambda\alpha.(I_{\Omega_{\alpha+1}} - \Pi_0))$
1,4,9,14,12,17	$\psi(\lambda\alpha.(I_{\Omega_{\alpha+2}} - \Pi_0))$
1,4,9,14,12,17,21	$\psi(\lambda\alpha.(I_{\psi_{I_{\alpha+1}}(0)} - \Pi_0))$
1,4,9,14,12,17,22	$\psi(\lambda\alpha.(I_{I_{\alpha+1}} - \Pi_0))$
1,4,9,14,12,17,22,20,25,29	$\psi(\lambda\alpha.(I_{I_{\alpha+1}} - \Pi_0))$
1,4,9,14,13	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(0)) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1}^2 \cdot a))$
1,4,9,14,13,9	$\psi(\lambda\alpha.(\Omega_{\psi_{I(1,\alpha+1)}(0)+1} - \Pi_1))$
1,4,9,14,13,9,14	$\psi(\lambda\alpha.(I_{\psi_{I(1,\alpha+1)}(0)+1} - \Pi_1))$
1,4,9,14,13,9,14,13	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(1)) - \Pi_0)$
1,4,9,14,13,13	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(I(1, \alpha + 1))) - \Pi_0)$
1,4,9,14,13,18	$\psi(\lambda\alpha.(\psi_{I(1,\alpha+1)}(\psi_{\Omega_{I(1,\alpha+1)+1}}(0))) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,14,14	$\psi(\lambda\alpha.(I(1, \alpha + 1)) - \Pi_0)$
1,4,9,14,14,9,14,14	$\psi(\lambda\alpha.(I(1, \alpha + 2)) - \Pi_0)$
1,4,9,14,14,11,5	$\psi(\lambda\alpha.(I(1, \alpha \cdot 2)) - \Pi_0)$
1,4,9,14,14,11,14	$\psi(\lambda\alpha.(I(1, \psi_{\Omega_{\alpha+1}}(0))) - \Pi_0)$
1,4,9,14,14,12	$\psi(\lambda\alpha.(I(1, \Omega_{\alpha+1})) - \Pi_0)$
1,4,9,14,14,12,17,22	$\psi(\lambda\alpha.(I(1, I_{\alpha+1})) - \Pi_0)$
1,4,9,14,14,12,17,22,22	$\psi(\lambda\alpha.(I(1, I(1, \alpha + 1))) - \Pi_0)$
1,4,9,14,14,13	$\psi(\lambda\alpha.(\psi_{I(2, \alpha+1)}(0)) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1}^3 \cdot a))$
1,4,9,14,14,14	$\psi(\lambda\alpha.(I(2, \alpha + 1)) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}^4))$
1,4,9,14,15	$\psi(\lambda\alpha.(I(\omega, \alpha + 1)) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1}^\omega))$
1,4,9,14,16,5	$\psi(\lambda\alpha.(I(\alpha, 1)) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1}^a))$
1,4,9,14,16,14	$\psi(\lambda\alpha.(I(\alpha + 1, 0)) - \Pi_1)$
1,4,9,14,16,14,16,5	$\psi(\lambda\alpha.(I(\alpha \cdot 2, 0)) - \Pi_0)$
1,4,9,14,16,19	$\psi(\lambda\alpha.(I(\psi_{\Omega_{\alpha+1}}(0), 0)) - \Pi_0)$
1,4,9,14,17	$\psi(\lambda\alpha.(I(\Omega_{\alpha+1}, 0)) - \Pi_0)$
1,4,9,14,17,22,27,30	$\psi(\lambda\alpha.(I(I(\Omega_{\alpha+1}, 0), 0)) - \Pi_0)$
1,4,9,14,18	$\psi(\lambda\alpha.(\psi_{I(1,0,\alpha+1)}(0)) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1}^{a_2}))$
1,4,9,14,18,9,14,18	$\psi(\lambda\alpha.(\psi_{I(1,0,\alpha+1)}(1)) - \Pi_0)$
1,4,9,14,18,13	$\psi(\lambda\alpha.(\psi_{I(1,0,\alpha+1)}(I(1, 0, \alpha + 1))) - \Pi_0)$
1,4,9,14,18,14	$\psi(\lambda\alpha.(I(1, 0, \alpha + 1)) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}^{a_2+1}))$
1,4,9,14,18,14,13	$\psi(\lambda\alpha.(\psi_{I(1,1,\alpha+1)}(0)) - \Pi_0)$
1,4,9,14,18,14,14	$\psi(\lambda\alpha.(I(1, 1, \alpha + 1)) - \Pi_1)$
1,4,9,14,18,14,15	$\psi(\lambda\alpha.(I(1, \omega, \alpha + 1)) - \Pi_0)$
1,4,9,14,18,14,16,5	$\psi(\lambda\alpha.(I(1, \alpha, 1)) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,14,18,14,18	$\psi(\lambda\alpha.(\psi_{I(2,0,\alpha+1)}(0)) - \Pi_0)$
1,4,9,14,18,14,18,14	$\psi(\lambda\alpha.(I(2,0,\alpha+1)) - \Pi_0)$
1,4,9,14,18,15	$\psi(\lambda\alpha.(I(\omega,0,\alpha+1)) - \Pi_0)$
1,4,9,14,18,16,5	$\psi(\lambda\alpha.(\psi_{I(1,0,0,\alpha+1)}(0)) - \Pi_0)$
1,4,9,14,18,16,14	$\psi(\lambda\alpha.(I(1,0,0,\alpha+1)) - \Pi_1)$
1,4,9,14,18,16,14,18,14	$\psi(\lambda\alpha.(I(1,0,1,\alpha+1)) - \Pi_1)$
1,4,9,14,18,16,14,18,16,14	$\psi(\lambda\alpha.(I(2,0,0,\alpha+1)) - \Pi_1)$
1,4,9,14,18,18	$\psi(\lambda\alpha.(\psi_{I(1,0,0,0,\alpha+1)}(0)) - \Pi_0)$
1,4,9,14,18,18,14	$\psi(\lambda\alpha.(I(1,0,0,0,\alpha+1)) - \Pi_1)$
1,4,9,14,18,18,18,14	$\psi(\lambda\alpha.(I(1,0,0,0,0,\alpha+1)) - \Pi_1)$
1,4,9,14,18,19	$\psi(\lambda\alpha.(I(1@ \omega, \alpha + 1@ 0)) - \Pi_0)$
1,4,9,14,18,20,5	$\psi(\lambda\alpha.(I(1@ \alpha, 1@ 0)) - \Pi_0)$
1,4,9,14,18,22,14	$\psi(\lambda\alpha.(I(1@(1,0), \alpha + 1@ 0)) - \Pi_1)$
1,4,9,14,18,22,14	$\psi(\lambda\alpha.(I(1@(1,0), \alpha + 1@ 0)) - \Pi_1)$
1,4,9,14,18,23	$\psi(\lambda\alpha.(\psi_{M_{\alpha+1}}(\psi_{\Omega_{M_{\alpha+1}+1}}(0))) - \Pi_0)$
1,4,9,14,18,24	$\psi(\lambda\alpha.(\psi_{M_{\alpha+1}}(\Omega_{M_{\alpha+1}+\omega})) - \Pi_0)$
1,4,9,14,19	$\psi(\lambda\alpha.(M_{\alpha+1}) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}^{\Omega_{a_2+1}}))$
1,4,9,14,19,9	$\psi(\lambda\alpha.(\Omega_{M_{\alpha+1}+1}) - \Pi_1)$
1,4,9,14,19,9,14	$\psi(\lambda\alpha.(I_{M_{\alpha+1}+1}) - \Pi_1)$
1,4,9,14,19,9,14,19	$\psi(\lambda\alpha.(M_{\alpha+2}) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}^{\Omega_{a_2+1}} \cdot 2))$
1,4,9,14,19,10	$\psi(\lambda\alpha.(M_{\alpha+\omega}) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1}^{\Omega_{a_2+1}} \cdot \omega))$
1,4,9,14,19,11,5	$\psi(\lambda\alpha.(M_{\alpha \cdot 2}) - \Pi_0)$
1,4,9,14,19,12	$\psi(\lambda\alpha.(M_{\Omega_{\alpha+1}}) - \Pi_0)$
1,4,9,14,19,12,17,22	$\psi(\lambda\alpha.(M_{I_{\alpha+1}}) - \Pi_0)$
1,4,9,14,19,12,17,22,27	$\psi(\lambda\alpha.(M_{M_{\alpha+1}}) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,14,19,13	$\psi(\lambda\alpha.(\psi_{M(1,\alpha+1)}(0)) - \Pi_0)$
1,4,9,14,19,14	$\psi(\lambda\alpha.(M(1, \alpha + 1)) - \Pi_1)$ $\psi(\lambda\alpha.(2 \ 1 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}^{\Omega_{a_2+1}+1}))$
1,4,9,14,19,14,13	$\psi(\lambda\alpha.(\psi_{M(2,\alpha+1)}(0)) - \Pi_0)$
1,4,9,14,19,14,14	$\psi(\lambda\alpha.(M(2, \alpha + 1)) - \Pi_1)$
1,4,9,14,19,14,15	$\psi(\lambda\alpha.(M(\omega, \alpha + 1)) - \Pi_0)$
1,4,9,14,19,14,16,5	$\psi(\lambda\alpha.(M(\alpha, 1)) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_2+1}^{\Omega_{a_2+1}+a}))$
1,4,9,14,19,14,18	$\psi(\lambda\alpha.(\psi_{M(1,0,\alpha+1)}(0)) - \Pi_0)$
1,4,9,14,19,14,18,14	$\psi(\lambda\alpha.(M(1, 0, \alpha + 1)) - \Pi_1)$
1,4,9,14,19,14,19	$\psi(\lambda\alpha.(M(1; \alpha + 1)) - \Pi_1)$
1,4,9,14,19,14,19,14,19	$\psi(\lambda\alpha.(M(2; \alpha + 1)) - \Pi_1)$
1,4,9,14,19,16,5	$\psi(\lambda\alpha.(M(\alpha; 1)) - \Pi_0)$
1,4,9,14,19,18,14	$\psi(\lambda\alpha.(M(1, 0; \alpha + 1)) - \Pi_1)$
1,4,9,14,19,18,23	$\psi(\lambda\alpha.(\psi_{N_{\alpha+1}}(\psi_{\Omega_{N_{\alpha+1}+1}}(0))) - \Pi_0)$
1,4,9,14,19,19	$\psi(\lambda\alpha.(N_{\alpha+1}) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}^{\Omega_{a_2+1}+2}))$
1,4,9,14,19,19,9,14,19,19	$\psi(\lambda\alpha.(N_{\alpha+2}) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_2+1}^{\Omega_{a_2+1}+2} \cdot 2))$
1,4,9,14,19,19,10	$\psi(\lambda\alpha.(N_{\alpha+\omega}) - \Pi_0)$
1,4,9,14,19,19,11,5	$\psi(\lambda\alpha.(N_{\alpha \cdot 2}) - \Pi_0)$
1,4,9,14,19,19,12	$\psi(\lambda\alpha.(N_{\Omega_{\alpha+1}}) - \Pi_0)$
1,4,9,14,19,19,13	$\psi(\lambda\alpha.(\psi_{N(1,\alpha+1)}(0)) - \Pi_0)$
1,4,9,14,19,19,14	$\psi(\lambda\alpha.(N(1, \alpha + 1)) - \Pi_1)$ $\psi(\lambda\alpha.(2 \ 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_0)$
1,4,9,14,19,19,14,19	$\psi(\lambda\alpha.(2 - 2 \ 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
1,4,9,14,19,19,14,19,19	$\psi(\lambda\alpha.(2 - 2 - 2 \ 1 - 2 - 2 - 2 \text{ aft } \alpha) - \Pi_1)$
1,4,9,14,19,19,16,5	$\psi(\lambda\alpha.((2 - 2 - 2 \ 1 -)^\alpha \ 2 - 2 - 2 \text{ aft } \alpha) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,14,19,19,18,14	$\psi(\lambda\alpha.((2-2-2\ 1-)^{1,0}\ 2-2-2\ \text{aft}\ \alpha)-_0)$
1,4,9,14,19,19,19	$\psi(\lambda\alpha.(2-2-2-2\ \text{aft}\ \alpha)-_1)$
1,4,9,14,19,20	$\psi(\lambda\alpha.((2-)^{\omega}\ \text{aft}\ \alpha)-_0)$
1,4,9,14,19,21,5	$\psi(\lambda\alpha.((2-)^{\alpha}\ \text{aft}\ \alpha)-_0)$
1,4,9,14,19,23,14	$\psi(\lambda\alpha.((2-)^{1,0}\ \text{aft}\ \alpha)-\Pi_1)$ $\psi(\lambda\alpha.(\psi_{K_{\alpha+1}}(0))-\Pi_1)$
1,4,9,14,19,24	$\psi(\lambda\alpha.(K_{\alpha+1})-\Pi_2)$ $\psi(\lambda\alpha.(3\ \text{aft}\ \alpha)-\Pi_2)$ $\psi(\psi_a(\Omega_{a_2+1}^{\Omega_{a_2+1}^{a_2+1}}))$
1,4,9,14,19,24,9,14,19,24	$\psi(\lambda\alpha.(K_{\alpha+2})-\Pi_2)$
1,4,9,14,19,24,11,5	$\psi(\lambda\alpha.(K_{\alpha\cdot 2})-\Pi_0)$
1,4,9,14,19,24,13	$\psi(\lambda\alpha.((1-)^{1,0}\ 3\ \text{aft}\ \alpha)-_0)$
1,4,9,14,19,24,14	$\psi(\lambda\alpha.(2\ 1-3\ \text{aft}\ \alpha)-_1)$
1,4,9,14,19,24,14,19	$\psi(\lambda\alpha.(2-2\ 1-3\ \text{aft}\ \alpha)-_1)$
1,4,9,14,19,24,14,19,24	$\psi(\lambda\alpha.(3\ 1-3\ \text{aft}\ \alpha)-_2)$
1,4,9,14,19,24,19	$\psi(\lambda\alpha.(2-3\ \text{aft}\ \alpha)-_1)$
1,4,9,14,19,24,19,19	$\psi(\lambda\alpha.(2-2-3\ \text{aft}\ \alpha)-_1)$
1,4,9,14,19,24,19,24	$\psi(\lambda\alpha.(3\ 2-3\ \text{aft}\ \alpha)-_2)$
1,4,9,14,19,24,19,24,19,24	$\psi(\lambda\alpha.(3\ 2-3\ 2-3\ \text{aft}\ \alpha)-_2)$
1,4,9,14,19,24,23	$\psi(\lambda\alpha.((3\ 2-)^{1,0}\ 3\ \text{aft}\ \alpha)-_0)$
1,4,9,14,19,24,24	$\psi(\lambda\alpha.(3-3\ \text{aft}\ \alpha)-_2)$
1,4,9,14,19,24,24,24	$\psi(\lambda\alpha.(3-3-3\ \text{aft}\ \alpha)-_2)$
1,4,9,14,19,24,25	$\psi(\lambda\alpha.((3-)^{\omega}\ \text{aft}\ \alpha)-_0)$
1,4,9,14,19,24,26,5	$\psi(\lambda\alpha.((3-)^{\alpha}\ \text{aft}\ \alpha)-_0)$
1,4,9,14,19,24,28	$\psi(\lambda\alpha.((3-)^{1,0}\ \text{aft}\ \alpha)-_0)$
1,4,9,14,19,24,29	$\psi(\lambda\alpha.(\kappa_{\alpha+1})-\Pi_3)$ $\psi(\lambda\alpha.(4\ \text{aft}\ \alpha)-_3)$
1,4,9,14,19,24,29,34	$\psi(\lambda\alpha.(5\ \text{aft}\ \alpha)-_4)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,15	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3))$
1,4,9,15,3	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0 + 1)$ $\psi(\psi_a(a_3) + 1)$
1,4,9,15,7	$\psi(1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3 + \psi_{a_3}(a_3 + 1)))$
1,4,9,15,8	$\psi(\lambda\alpha.(\alpha+1) - \Pi_0 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3 + a_2))$
1,4,9,15,8,12,15	$\psi(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3 + a_2^{\psi_{a_2}(0)}))$
1,4,9,15,8,12,15,20,26	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0 -$ $\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3 \cdot 2))$
1,4,9,15,8,12,15,20,26,11	$\psi(1 - \lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0) - \Pi_1)$
1,4,9,15,8,12, 15,20,26,11,15	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 + 1) - \Pi_0)$ $\psi(\psi_a(a_3 \cdot \psi_{a_2}(a_2)))$
1,4,9,15,8,12,15, 20,26,11,15,19,21,5	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 + \alpha) - \Pi_0)$ $\psi(\psi_a(a_3 \cdot \psi_{a_2}(a_2^a)))$
1,4,9,15,8,12,15,20,26,12	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \cdot \omega) - \Pi_0)$
1,4,9,15,8,12, 15,20,26,12,14,5	$\psi(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_0 \cdot \alpha) - \Pi_0)$
1,4,9,15,8,12,15, 20,26,12,15,20,26	$\psi(\lambda\alpha.((\lambda\beta.(\beta+1) - \Pi_0)^2) - \Pi_0)$
1,4,9,15,8,12,15,20,26,19	$\psi((\lambda\alpha.(\psi_{\Omega_{\lambda\beta.(\beta+1)-\Pi_0+1}}(0)) - \Pi_0)$
1,4,9,15,8,12, 15,20,26,19,23	$\psi(\lambda\alpha.(\psi_{\Omega_{\lambda\beta.(\beta+1)-\Pi_0+1}}(\Omega_{\lambda\beta.(\beta+1)-\Pi_0+1}))) - \Pi_0)$
1,4,9,15,9	$\psi(\lambda\alpha.(\Omega_{\lambda\beta.(\beta+1)-\Pi_0+1}) - \Pi_1)$
1,4,9,15,9,14,19,24	$\psi((\lambda\alpha.(K_{\lambda\beta.(\beta+1)-\Pi_0+1}) - \Pi_2)$
1,4,9,15,9,15	$\psi((\lambda\alpha.(2\text{nd } \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
1,4,9,15,10	$\psi((\lambda\alpha.(1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
1,4,9,15,10,10	$\psi((\lambda\alpha.(1 - 1 - \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
1,4,9,15,11,5	$\psi((\lambda\alpha.((1-)^{\alpha} \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$
1,4,9,15,13	$\psi((\lambda\alpha.((1-)^{1,0} \lambda\beta.(\beta+1) - \Pi_0) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,15,14	$\psi((\lambda\alpha.(2 - \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_1))$
1,4,9,15,14,20	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
1,4,9,15,14,20,19	$\psi(\lambda\alpha.(2 - \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_1)$
1,4,9,15,14,20,19,25	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - 2 - \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
1,4,9,15,14,20,19,25,24	$\psi(\lambda\alpha.(3 - \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_2)$
1,4,9,15,15	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
1,4,9,15,17,5	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0)^\alpha) - \Pi_0)$
1,4,9,15,19	$\psi(\lambda\alpha.((\lambda\beta.(\beta + 1) - \Pi_0)^{1,0}) - \Pi_0)$ $\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(0)) - \Pi_0)$
1,4,9,15,19,19	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(1)) - \Pi_0)$
1,4,9,15,19,23	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(\lambda\beta.(\beta + 1) - \Pi_1)) - \Pi_0)$
1,4,9,15,19,23,27	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(\Omega_{\lambda\beta.(\beta+1)-\Pi_1+1}))) - \Pi_0)$
1,4,9,15,19,25,32	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0)$
1,4,9,15,19,25,33,42	$\psi(\lambda\alpha.(\psi_{\lambda\beta.(\beta+1)-\Pi_1}(\lambda\alpha'.(\lambda\beta'.(\beta' + 1) - \Pi_0) - \Pi_0)) - \Pi_0)$
1,4,9,15,20	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(a_3 \cdot \psi_{a_3}(0)))$
1,4,9,15,20,15	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.(\beta + 1) - \Pi_1) - \Pi_0)$
1,4,9,15,20,15,20	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_1 - \lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.(\beta + 1) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(a_3 \cdot \psi_{a_3}(0) \cdot 2))$
1,4,9,15,20,20	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_1 - \lambda\beta.(\beta + 1) - \Pi_1) - \Pi_1)$
1,4,9,15,20,25	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_2) - \Pi_2)$
1,4,9,15,20,26	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 2) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3 \cdot \psi_{a_3}(a_3)))$
1,4,9,15,21	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \omega) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^2))$
1,4,9,15,21,21	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \omega^2) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^3))$
1,4,9,15,21,23,5	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \alpha) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^\alpha))$



0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,15,21,24	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Omega_{\alpha+1}) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^{\psi_{a_2}(0)}))$
1,4,9,15,21,24,28	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \psi_{\Omega_{\alpha+2}}(0)) - \Pi_0) - \Pi_0)$
1,4,9,15,21,24,29	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \Omega_{\alpha+2}) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^{\psi_{a_2}(\psi_{a_3}(0))}))$
1,4,9,15,21,24,29,34	$\psi(\lambda\alpha.(\lambda\beta.(\beta + I_{\alpha+1}) - \Pi_0) - \Pi_0)$
1,4,9,15,21,24,29,35	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^{\psi_{a_2}(a_3)}))$
1,4,9,15,21,24, 29,35,41,44,49,55	$\psi(\lambda\alpha.(\lambda\beta.(\beta + \lambda\beta.(\beta + \lambda\beta.(\beta + 1)$ $- \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,15,21,25	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 2) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^{a_2}))$
1,4,9,15,21,25,20	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot 2) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(a_3^{a_2} \cdot \psi_{a_3}(0)))$
1,4,9,15,21,25,21	$\psi(\lambda\alpha.(\lambda\beta.(\beta \cdot \omega) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^{a_2+1}))$
1,4,9,15,21,25,21,25	$\psi(\lambda\alpha.(\lambda\beta.(\beta^2) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^{a_2 \cdot 2}))$
1,4,9,15,21,25,25	$\psi(\lambda\alpha.(\lambda\beta.(\beta^\beta) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^{a_2^2}))$
1,4,9,15,21,25,30	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(0)) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_3^{\psi_{\Omega_{a_2+1}}(0)}))$
1,4,9,15,21,25,30,35	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\Omega_{\beta+1})) - \Pi_0) - \Pi_0)$
1,4,9,15,21,25,31	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\Omega_{\beta+\omega})) - \Pi_0) - \Pi_0)$
1,4,9,15,21,25,31,38	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0)) - \Pi_0) - \Pi_0)$
1,4,9,15,21,25,31,39,48	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\beta' + 1)$ $- \Pi_0) - \Pi_0)) - \Pi_0) - \Pi_0)$
1,4,9,15,21,25,31,39,48,57	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\beta' + \omega)$ $- \Pi_0) - \Pi_0)) - \Pi_0) - \Pi_0)$
1,4,9,15,21,25, 31,39,48,57,64,72	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+1}}(\lambda\alpha'.(\lambda\beta'.(\psi_{\Omega_{\beta'+1}}(0))$ $- \Pi_0) - \Pi_0)) - \Pi_0) - \Pi_0)$
1,4,9,15,21,26	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(a_3^{\psi_{a_3}(0)}))$
1,4,9,15,21,26,21	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1} \cdot \omega) - \Pi_0) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,15,21,26,21,26	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}^2) - \Pi_0) - \Pi_0)$
1,4,9,15,21,26,26	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+1}^{\Omega_{\beta+1}}) - \Pi_0) - \Pi_0)$
1,4,9,15,21,26,32	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(0)) - \Pi_0) - \Pi_0)$
1,4,9,15,21,26,32,38	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2})) - \Pi_0) - \Pi_0)$
1,4,9,15,21,27	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+2}^{\Omega_{\beta+2}})) - \Pi_0) - \Pi_0)$
1,4,9,15,22	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\psi_{\Omega_{\beta+3}}(0))) - \Pi_0) - \Pi_0)$
1,4,9,15,23	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\Omega_{\beta+\omega})) - \Pi_0) - \Pi_0)$
1,4,9,15,23,32	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\lambda\alpha'.(\alpha' + 1) - \Pi_0))) - \Pi_0) - \Pi_0)$
1,4,9,15,23,33,44	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{\Omega_{\beta+2}}(\lambda\alpha'.(\lambda\beta'.(\beta' + 1) - \Pi_0) - \Pi_0)) - \Pi_0) - \Pi_0)$
1,4,9,16	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+2}) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_3+1}))$
1,4,9,16,16	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+3}) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_3+1} \cdot 2))$
1,4,9,16,17	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+\omega}) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1} \cdot \omega))$
1,4,9,16,18,5	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta+\alpha}) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1} \cdot a))$
1,4,9,16,20	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta \cdot 2}) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1} \cdot a_2))$
1,4,9,16,20,16,20	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta \cdot 3}) - \Pi_0) - \Pi_0)$
1,4,9,16,20,20	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\beta^2}) - \Pi_0) - \Pi_0)$
1,4,9,16,20,25	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\psi_{\Omega_{\beta+1}}(0)}) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1} \cdot \psi_{\Omega_{a_2+1}}(0)))$
1,4,9,16,21	$\psi(\lambda\alpha.(\lambda\beta.(\Omega_{\Omega_{\beta+1}}) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1} \cdot \psi_{a_3}(0)))$
1,4,9,16,22	$\psi(\lambda\alpha.(\lambda\beta.(\psi_{I_{\beta+1}}(0)) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1} \cdot a_3))$
1,4,9,16,23	$\psi(\lambda\alpha.(\lambda\beta.(I_{\beta+1}) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_3+1}^2))$
1,4,9,16,23,23	$\psi(\lambda\alpha.(\lambda\beta.(I(1, \beta + 1)) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_3+1}^3))$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,16,23,24	$\psi(\lambda\alpha.(\lambda\beta.(I(\omega, \beta + 1)) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1}^\omega))$
1,4,9,16,23,25,5	$\psi(\lambda\alpha.(\lambda\beta.(I(\alpha, \beta + 1)) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1}^a))$
1,4,9,16,23,27	$\psi(\lambda\alpha.(\lambda\beta.(I(\beta, 1)) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1}^{a_2}))$
1,4,9,16,23,29	$\psi(\lambda\alpha.(\lambda\beta.(I_{I(1,0,\beta+1)}(0)) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_3+1}^{a_3}))$
1,4,9,16,23,29,23	$\psi(\lambda\alpha.(\lambda\beta.(I(1, 0, \beta + 1)) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_3+1}^{a_3+1}))$
1,4,9,16,23,30	$\psi(\lambda\alpha.(\lambda\beta.(M_{\beta+1}) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_3+1}^{\Omega_{a_3+1}}))$
1,4,9,16,23,30,30	$\psi(\lambda\alpha.(\lambda\beta.(N_{\beta+1}) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_3+1}^{\Omega_{a_3+1}^2}))$
1,4,9,16,23,30,37	$\psi(\lambda\alpha.(\lambda\beta.(K_{\beta+1}) - \Pi_2) - \Pi_2)$ $\psi(\psi_a(\Omega_{a_3+1}^{\Omega_{a_3+1}^{\Omega_{a_3+1}}}))$
1,4,9,16,24	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(3 - \pi - (+1) - \Pi_0)$ $\psi(\psi_a(a_4))$ TSO
1,4,9,16,24,9,16,24	$\psi(\lambda\alpha.(2nd \lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,16,24,15	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0 - \lambda\beta.$ $(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,16,24,15, 21,25,31,39,48	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0 -$ $\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,16,24,16	$\psi(\lambda\alpha.(\lambda\beta.(2 \text{ aft } \lambda\gamma.(\gamma + 1) - {}_0) - {}_1) - {}_1)$
1,4,9,16,24,16,24	$\psi(\lambda\alpha.(\lambda\beta.(2nd \lambda\gamma.(\gamma + 1) - {}_0) - {}_0) - {}_0)$
1,4,9,16,24,24	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0 -$ $\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,16,24,31	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_1) - \Pi_1) - \Pi_1)$
1,4,9,16,24,31,39	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 2) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,16,24,32	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + \omega) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,16,24,32,34,5	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + \alpha) - \Pi_0) - \Pi_0) - \Pi_0)$

0 - Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,16,24,32,36	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + \beta) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,16,24,32,38	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma \cdot 2) - \Pi_0) - \Pi_0) - \Pi_0)$
1,4,9,16,24,32,38,32	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma \cdot \omega) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_4^{a_3+1}))$
1,4,9,16,24,32,38,32,38	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma^2) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_4^{a_3 \cdot 2}))$
1,4,9,16,24,32,38,45	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\psi_{\Omega_{\gamma+1}}(0)) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_4^{\psi_{\Omega_{a_3+1}}(\Omega_{a_3+1})}))$
1,4,9,16,24,32,39	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+1}) - \Pi_1) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(a_4^{\psi_{a_4}(0)}))$
1,4,9,16,25	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+2}) - \Pi_1) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_4+1}))$
1,4,9,16,25,25	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+3}) - \Pi_1) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_4+1} \cdot 2))$
1,4,9,16,25,26	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+\omega}) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_4+1} \cdot \omega))$
1,4,9,16,25,27,5	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+\alpha}) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_4+1} \cdot a))$
1,4,9,16,25,29	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma+\beta}) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_4+1} \cdot a_2))$
1,4,9,16,25,31	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\Omega_{\gamma \cdot 2}) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_4+1} \cdot a_3))$
1,4,9,16,25,33	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\psi_{I_{\gamma+1}}(0)) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(\Omega_{a_4+1} \cdot a_4))$
1,4,9,16,25,34	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(I_{\gamma+1}) - \Pi_1) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_4+1}^2))$
1,4,9,16,25,34,43	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(M_{\gamma+1}) - \Pi_1) - \Pi_1) - \Pi_1)$ $\psi(\psi_a(\Omega_{a_4+1}^{\Omega_{a_4+1}}))$
1,4,9,16,25,34,43,52	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(K_{\gamma+1}) - \Pi_2) - \Pi_2) - \Pi_2)$ $\psi(\psi_a(\Omega_{a_4+1}^{\Omega_{a_4+1}^{\Omega_{a_4+1}}}))$
1,4,9,16,25,35	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\delta + 1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(4 - \pi - (+1) - \Pi_0)$ $\psi(\psi_a(a_5))$

0 – Y 序列	MOCF/反射 OCF/稳定 OCF
1,4,9,16,25,36,48	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\lambda\delta.(\lambda\epsilon.(\epsilon+1) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0) - \Pi_0)$ $\psi(\psi_a(a_6))$
1,4,10	$\psi(\omega - \pi - \Pi_0)$ $\psi(\psi_a(a_\omega))$ $\psi(\psi_a(\psi_b(a_{b+1} \cdot \omega)))$ p.f.e.c.LRO

## A.17 BMS vs 投影

本节的结果主要引自最菜萌新的分析。

BMS	投影
(0,0,0)(1,1,1)(2,2,2)	$\psi(\psi_\alpha(\alpha_\omega))$
(0,0,0)(1,1,1)(2,2,2)(1,1,0)	$\psi(\psi_\alpha(\alpha_\omega) + \Omega)$
(0,0,0)(1,1,1)(2,2,2)(1,1,1)	$\psi(\psi_\alpha(\alpha_\omega) + \Omega_\omega)$
(0,0,0)(1,1,1)(2,2,2)(1,1,1)(2,2,0)	$\psi(\psi_\alpha(\alpha_\omega) + \psi_\alpha(\alpha_2))$
(0,0,0)(1,1,1)(2,2,2)(1,1,1)(2,2,1)	$\psi(\psi_\alpha(\alpha_\omega) + \psi_\alpha(\Omega_{\alpha+2} \cdot \omega))$
(0,0,0)(1,1,1)(2,2,2)(1,1,1)(2,2,2)	$\psi(\psi_\alpha(\alpha_\omega) \cdot 2)$
(0,0,0)(1,1,1)(2,2,2)(2,1,0)	$\psi(\psi_\alpha(\alpha_\omega) \cdot \Omega)$
(0,0,0)(1,1,1)(2,2,2)(2,1,0)- -(1,1,0)(2,2,1)(3,3,2)(3,2,0)	$\psi(\psi_\alpha(\alpha_\omega) \cdot \Omega_2)$
(0,0,0)(1,1,1)(2,2,2)(2,1,0)(1,1,1)	$\psi(\psi_\alpha(\alpha_\omega) \cdot \Omega_\omega)$
(0,0,0)(1,1,1)(2,2,2)- -(2,1,0)(1,1,1)(2,2,0)	$\psi(\psi_\alpha(\alpha_\omega) \cdot \psi_\alpha(\varepsilon_{\Omega_{\alpha+1}+1}))$
(0,0,0)(1,1,1)(2,2,2)(2,1,0)(1,1,1)- -(2,2,0)(3,3,1)(4,4,2)(4,3,0)	$\psi(\psi_\alpha(\alpha_\omega) \cdot \psi_\alpha(\Omega_{\alpha+2} + \Omega_{\alpha+1}))$
(0,0,0)(1,1,1)(2,2,2)- -(2,1,0)(1,1,1)(2,2,1)	$\psi(\psi_\alpha(\alpha_\omega) \cdot \psi_\alpha(\Omega_{\alpha+2} \cdot \omega))$
(0,0,0)(1,1,1)(2,2,2)(2,1,0)(1,1,1)- -(2,2,1)(3,3,0)(4,4,1)(5,5,2)(5,4,0)	$\psi(\psi_\alpha(\alpha_\omega) \cdot \psi_\alpha(\Omega_{\alpha+2} + \Omega_{\alpha+1}))$
(0,0,0)(1,1,1)(2,2,2)(2,1,0)- -(1,1,1)(2,2,1)(3,3,1)	$\psi(\psi_\alpha(\alpha_\omega) \cdot \psi_\alpha(\Omega_{\alpha+2} + \psi_{\alpha_2}(\Omega_{\alpha+2} + 1)))$
(0,0,0)(1,1,1)(2,2,2)- -(2,1,0)(1,1,1)(2,2,2)	$\psi(\psi_\alpha(\alpha_\omega)^2)$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(2,1,0)-$ $-(1,1,1)(2,2,2)(1,1,1)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega)^2 + \psi_\alpha(\alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega)^2 \cdot \omega)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,0)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega)^\omega)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(2,1,0)(3,2,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha+1}) +$ $\psi_{\psi_\alpha(\alpha_\omega + \Omega_{\alpha+1})}(\psi_\alpha(\alpha_\omega + \Omega_{\alpha+1}) + 1))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(2,1,0)(3,2,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha+1}) \cdot 2)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,0)(3,2,1)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega + \varepsilon_{\Omega_{\alpha+1}+1}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(2,1,1)(1,1,1)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)) + \psi_\alpha(\alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(1,1,1)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)(4,2,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)) +$ $\psi_{\psi_\alpha(\alpha_\omega + \Omega_{\alpha+1})}(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(1,1,1)(2,2,2)(2,1,0)(3,2,1)-$ $-(4,3,2)(4,2,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)) + \psi_\alpha(\alpha_\omega + \Omega_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(1,1,1)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)-$ $-(4,2,1)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)) + \psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(1,1,1)(2,2,2)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)) \cdot 2)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(2,1,0)(1,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)) \cdot \Omega_\omega)$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)) \cdot \psi_\alpha(\alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,2,2)(2,1,0)-$ $-(3,2,1)(4,3,2)(4,2,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1)) \cdot \psi_\alpha(\alpha_\omega + \Omega_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(2,1,0)(1,1,1)(2,2,2)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1))^2)$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(2,1,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1) + \Omega_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(2,1,0)(3,2,1)(4,3,2)(4,2,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 1) \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + 2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,1,0)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \varepsilon_{\alpha+1})))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,1,1)(2,1,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha+1} + 1) + \Omega_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha+1} + \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,1,1)(2,1,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha+1} \cdot \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,1,1)-$ $-(3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha+1} \cdot \alpha \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,1,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha+1}^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,1,1)(4,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha+1}^\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,0)(2,1,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_2) \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,0)(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_2 + \psi_{\alpha_2}(\alpha_2)))))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_2 \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,0)(4,3,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\Omega_{\alpha_2+1})) + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\Omega_{\alpha_2+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(2,1,1)(3,2,1)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\Omega_{\alpha_2+1}) \cdot 2 + 1)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\Omega_{\alpha_2+1} + \alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_3))))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)(3,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,2)(2,1,1)(3,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega) \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,1,1)-$ $-(3,2,2)(3,1,1)(4,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(2,1,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 + \Omega_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(2,1,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 + \psi_{\alpha_2}(\alpha_\omega + \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 + \psi_{\alpha_2}(\alpha_\omega + \alpha_2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(2,1,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 + \psi_{\alpha_2}(\alpha_\omega + \alpha_2 + \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(2,1,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 + \psi_{\alpha_2}(\alpha_\omega + \alpha_2 + \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(2,1,1)(3,2,2)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 + \psi_{\alpha_2}(\alpha_\omega + \alpha_2 + \psi_{\alpha_2}(\alpha_\omega + \alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,0)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega + \alpha_2 \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 \cdot (\Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(2,2,0)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 \cdot \Omega_{\alpha+1} \cdot 2 +$ $\psi_{\alpha_2}(\alpha_\omega + \alpha_2 \cdot \Omega_{\alpha+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 \cdot \psi_{\alpha_2}(\alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,1,1)(4,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2 \cdot \psi_{\alpha_2}(\alpha_\omega)))$



BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2^2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,2,0)(2,2,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \alpha_2^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)(3,3,1)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,0)-$ $-(3,3,1)(4,4,2)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha_2+1} + 2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(2,1,1)(3,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha_2+1} + \psi_{\alpha_2}(\alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(2,2,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(2,2,0)(3,3,1)(4,4,2)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot 2 + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(2,2,1)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot 2 +$ $\psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha_2+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha_2+1} \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot \psi_{\alpha_2}(\alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,1,1)(4,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1}^2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,2,1)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_2+1}^2 +$ $\psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha_2+1}^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_3}(\alpha_3)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_3+1} + \psi_{\alpha_2}(\alpha_\omega + \Omega_{\alpha_3+1} + 1)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega + \Omega_{\alpha_3+1} \cdot \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,1)(4,4,0)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_4}(\alpha_4)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \psi_{\alpha_2}(\alpha_\omega \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,1,1)(3,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_\omega + \psi_{\alpha_2}(\alpha_\omega \cdot 2 + \psi_{\alpha_2}(\alpha_\omega \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,0)(3,3,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \Omega_{\alpha_2+1} + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot 2 + \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \Omega_{\alpha_2+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \Omega_{\alpha_2+1} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \psi_{\alpha_3}(\alpha_3)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,3,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \psi_{\alpha_3}(\Omega_{\alpha_3+1}) +$ $\psi_{\alpha_2}(\alpha_\omega \cdot 2 + \psi_{\alpha_3}(\Omega_{\alpha_3+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \psi_{\alpha_3}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,3,2)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \psi_{\alpha_3}(\alpha_\omega \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,2,1)-$ $-(3,3,2)(3,3,2)(3,2,1)(4,3,2)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \psi_{\alpha_3}(\alpha_\omega \cdot 2 + \psi_{\alpha_3}(\alpha_\omega \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)-$ $-(2,2,1)(3,3,2)(3,3,2)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 2 + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(2,2,2)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot 3))$
$(0,0,0)(1,1,1)(2,2,2)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,1,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \Omega_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,1,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega)))$



BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,1,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha + \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,1,1)-$ $-(3,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha))))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,0)(3,3,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \Omega_{\alpha_2+1} + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \alpha + \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \Omega_{\alpha_2+1} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,1)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \psi_{\alpha_3}(\alpha_3)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \varepsilon_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,0)-$ $-(4,2,1)(5,3,2)(6,2,0)(5,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(2,1,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} + 1) + \Omega_{\alpha+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} + 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(2,1,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} + \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(2,1,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_2))))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(2,1,1)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha))))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(2,1,1)(3,2,2)(4,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1}) + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(2,2,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \varepsilon_{\alpha_2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(2,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} + \Omega_{\alpha_2+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(2,2,1)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_3}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\Omega_{\alpha+1} + \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,1,1)(2,2,2)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} \cdot 2 + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\Omega_{\alpha+1}^2) + \psi_{\alpha_2}(\alpha_\omega \cdot (\Omega_{\alpha+1}^2) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \psi_{\alpha_2}(\alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)(4,2,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,1,1)-$ $-(4,2,2)(5,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \psi_{\alpha_2}(\alpha_\omega \cdot \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,1,0)(3,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \psi_\alpha(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha+1}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,1,0)-$ $-(3,2,1)(4,3,2)(5,2,0)(3,2,0)-$ $-(4,3,1)(5,4,2)(6,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \psi_\alpha(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha+1} \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,1,0)-$ $-(3,2,1)(4,3,2)(5,2,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,1,0)-$ $-(3,2,1)(4,3,2)(5,2,0)(4,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,1,0)-$ $-(3,2,1)(4,3,2)(5,2,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot (\alpha + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,1,0)-$ $-(3,2,1)(4,3,2)(5,2,0)(6,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \varepsilon_{\alpha+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,1,0)-$ $-(3,2,1)(4,3,2)(5,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,1,0)-$ $-(3,2,1)(4,3,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,1,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,1,1)(3,2,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,0)(3,3,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha_2+1} + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha_2+1} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha_2+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_3)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,1,0)(5,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_\omega \cdot \varepsilon_{\alpha+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \Omega_{\alpha+1}) +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \Omega_{\alpha+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,1,1)(5,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha_2)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha_2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha_2 + \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha_2+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,0)(4,4,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \varepsilon_{\alpha_3+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 +$ $\Omega_{\alpha_3+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \Omega_{\alpha_3+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,1)(4,4,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_4}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,1)(4,4,2)(5,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_4}(\alpha_\omega \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,1)-$ $-(4,4,2)(5,2,0)(4,4,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 + \alpha_4))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 1) +$ $\psi_{\alpha_2}(\alpha_\omega \cdot (\alpha_2 + 1) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(2,1,1)(3,2,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 1) +$ $\psi_{\alpha_2}(\alpha_\omega \cdot (\alpha_2 + 1) + \psi_{\alpha_2}(\alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 1) + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(2,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 1) + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\alpha_\omega \cdot (\alpha_2 + 1) + \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 1) + \psi_{\alpha_3}(\alpha_\omega \cdot (\alpha_2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)-$ $-(3,3,2)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 1) +$ $\psi_{\alpha_3}(\alpha_\omega \cdot (\alpha_2 + 1) + \psi_{\alpha_3}(\alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 1) + \alpha_3))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,0)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + \alpha) + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + \alpha) + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + \alpha + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(3,3,2)-$ $-(4,1,0)(3,3,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + \alpha \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,0)(5,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + \varepsilon_{\alpha+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + \Omega_{\alpha+1}) + \psi_{\alpha_2}(\alpha_\omega \cdot (\alpha_2 + \Omega_{\alpha+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,1,1)(5,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_2 + \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,0)(4,1,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2 \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_2^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \varepsilon_{\alpha_2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha_2+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,1)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha_2+1} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,1)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,1)(3,3,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\Omega_{\alpha_2+1} + \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,2,1)(3,3,2)(4,2,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha_2+1} \cdot 2 + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha_2+1} \cdot 2 + 1)))$



BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \psi_{\alpha_3}(\alpha_3)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \psi_{\alpha_3}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3 + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3 + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3 + \Omega_{\alpha_3+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_3 + \Omega_{\alpha_3+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)(4,4,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3 + \psi_{\alpha_4}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)(4,4,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3 + \psi_{\alpha_4}(\alpha_\omega \cdot \alpha_3)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)-$ $-(4,4,2)(5,3,0)(4,4,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3 + \alpha_4))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)-$ $-(4,4,2)(5,3,0)(4,4,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_3 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)-$ $-(4,4,2)(5,3,0)(4,4,2)(5,2,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot (\alpha_3 + \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)-$ $-(4,4,2)(5,3,0)(4,4,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)-$ $-(4,4,2)(5,3,0)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_3^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)-$ $-(4,4,2)(5,3,0)(6,4,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \varepsilon_{\alpha_3+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)(4,4,2)(5,3,1)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \Omega_{\alpha_3+1} + \psi_{\alpha_2}(\alpha_\omega \cdot \Omega_{\alpha_3+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,1)-$ $-(4,4,2)(5,3,1)(6,4,2)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \psi_{\alpha_4}(\alpha_\omega)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,1)-$ $-(3,3,2)(4,3,0)(3,3,1)(4,4,2)(5,4,0)$	$\psi(\psi_\alpha(\alpha_\omega \cdot \alpha_4))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \Omega_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,0)(4,2,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,2,1)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,0)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,1)(5,4,2)(6,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega \cdot \alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)(5,3,0)-$ $-(4,3,1)(5,4,2)(6,3,0)(5,4,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot (\alpha_2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)(5,3,0)-$ $-(4,3,1)(5,4,2)(6,3,0)(5,4,2)(6,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_2 \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,0)-$ $-(4,3,1)(5,4,2)(6,4,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega \cdot \alpha_3)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,2)(4,0,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2) + 1))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,0)(3,2,1)(4,3,2)-$ $-(5,3,0)(4,3,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2) + \psi_\alpha(\alpha_\omega^2 + \Omega_{\alpha+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,0)(4,3,2)-$ $-(4,2,0)(3,2,1)(4,3,2)(5,3,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2) + \psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2))))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,0)-$ $-(4,3,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2) + \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2 + \alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2 + \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,1,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(2,1,1)(3,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2 + \psi_{\alpha_2}(\alpha_\omega^2))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(2,2,2)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,2,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \varepsilon_{\alpha_2+1}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(2,2,2)(2,2,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \Omega_{\alpha_2+1} + \psi_{\alpha_2}(\alpha_\omega^2 + \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,2,1)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \psi_{\alpha_3}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,0,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot (\alpha + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,0)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \varepsilon_{\alpha+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,0)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega^2 + \alpha_\omega \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,1)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_\omega^2 + \alpha_\omega \cdot \Omega_{\alpha+1} + 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,1)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \Omega_{\alpha+1} + \alpha_2))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,1)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot (\Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,1)(2,2,2)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \Omega_{\alpha+1} \cdot 2 +$ $\psi_{\alpha_2}(\alpha_\omega^2 + \alpha_\omega \cdot \Omega_{\alpha+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \psi_{\alpha_2}(\alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(2,2,2)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,1,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2 +$ $\psi_{\alpha_2}(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2 + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,1)(3,3,2)-$ $-(4,3,0)(3,3,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(3,3,2)(4,2,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2 + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(3,3,2)(4,2,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot (\alpha_2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(2,2,2)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(3,3,2)(4,2,0)(3,3,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,1)(3,3,2)-$ $-(4,3,0)(3,3,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \varepsilon_{\alpha_2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,1)(3,3,2)-$ $-(4,3,0)(3,3,2)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 + \alpha_\omega \cdot \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(2,2,2)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,1,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,1,0)(2,2,2)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot (\alpha + 1)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,1,1)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_\omega^2 \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \psi_{\alpha_2}(\alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha_2 + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_\omega^2 \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(4,2,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha_2 + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(4,2,0)(3,3,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha_2 + \alpha_\omega \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(4,2,0)(3,3,2)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha_2 + \alpha_\omega \cdot \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(4,2,0)(3,3,2)(4,3,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot (\alpha_2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(4,2,0)(3,3,2)(4,3,0)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha_2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \varepsilon_{\alpha_2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(4,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^2 \cdot \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,0)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(2,2,2)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^3 + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(2,2,2)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^3 + \alpha_\omega^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(3,2,0)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^4))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega^\alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,1,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^\alpha + \alpha_\omega))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,1,0)(2,2,2)(3,2,0)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\omega^\alpha \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,1,1)$	$\psi(\psi_\alpha(\alpha_\omega^{\Omega_{\alpha+1}} + \psi_{\alpha_2}(\alpha_\omega^{\Omega_{\alpha+1}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^{\alpha_2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(5,2,0)(4,3,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_\omega^{\alpha_2 + 1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,2,0)(2,2,1)(3,3,2)(4,3,0)-$ $-(5,2,0)(4,3,0)(5,2,0)$	$\psi(\psi_\alpha(\alpha_\omega^{\alpha_2 \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,0)(5,3,0)$	$\psi(\psi_\alpha(\alpha_\omega^{\alpha_3}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\omega^{\alpha_\omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\varepsilon_{\alpha_\omega+1})) = \psi(\psi_\alpha(\Omega_{\alpha_\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,0)(4,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,0)-$ $-(4,3,1)(5,4,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,1,0)(3,2,1)(4,3,2)(5,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1} + 1) \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,1,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1} + 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,1,1)(3,1,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1} + \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,1,1)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1} + \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,0)(3,3,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \psi_{\alpha_3}(\alpha_\omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,1)(3,3,2)(4,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \psi_{\alpha_3}(\Omega_{\alpha_\omega+1}) +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1} + \psi_{\alpha_3}(\Omega_{\alpha_\omega+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \alpha_\omega))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \alpha_\omega \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \alpha_\omega^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} + \varepsilon_{\alpha_\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot 2 + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,1,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1} \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,1)(2,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \Omega_{\alpha+1} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,1)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \Omega_{\alpha+1} + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,1)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot (\Omega_{\alpha+1} + 1) +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1} \cdot (\Omega_{\alpha+1} + 1) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,1)(3,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,1)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \Omega_{\alpha+1} \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,1)(3,1,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot (\Omega_{\alpha+1}^2) +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1} \cdot (\Omega_{\alpha+1}^2) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,1)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot (\Omega_{\alpha+1}^\alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \psi_{\alpha_2}(\alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,1)(4,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_2 + \psi_{\alpha_3}(\Omega_{\alpha_\omega+1} \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,1)(4,2,0)(3,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_2 + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,1)(4,2,0)(3,3,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_2 + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,1)(4,2,0)-$ $-(3,3,2)(4,3,0)(3,3,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_2 + \alpha_\omega^2))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,1)(4,2,0)-$ $-(3,3,2)(4,3,0)(5,4,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_2 + \varepsilon_{\alpha_\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,1)-$ $-(4,2,0)(3,3,2)(4,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot (\alpha_2 + 1) +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1} \cdot (\alpha_2 + 1) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,1)(3,3,2)(4,3,1)-$ $-(4,2,0)(3,3,2)(4,3,1)(4,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,1)(3,3,2)(4,3,1)(4,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_\omega + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_\omega + \alpha_\omega^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot (\alpha_\omega + 1) +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1} \cdot (\alpha_\omega + 1) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)(3,2,1)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot (\alpha_\omega + \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,0)-$ $-(2,2,2)(3,2,1)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(3,2,0)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_\omega \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,0)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \alpha_\omega^2))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1} \cdot \varepsilon_{\alpha_\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^2 + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1}^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,1)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^2 + \Omega_{\alpha_\omega+1} +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1}^2 + \Omega_{\alpha_\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(3,2,1)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^2 \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,1)(3,2,0)(2,2,1)(3,3,2)-$ $-(4,3,1)(4,3,1)(4,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^2 \cdot \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(3,2,1)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^2 \cdot \alpha_\omega))$



BMS	投影
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(3,2,1)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^3 + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1}^3 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^\alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,1,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^{\Omega_{\alpha+1}} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1}^{\Omega_{\alpha+1}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,1,1)(5,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^{\psi_{\alpha_2}(\alpha_2)}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^{\alpha_2}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^{\alpha_\omega}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^{\varepsilon_{\alpha_\omega+1}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1}^{\Omega_{\alpha_\omega+1}} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1}^{\Omega_{\alpha_\omega+1}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\varepsilon_{\Omega_{\alpha_\omega+1}+1}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(4,3,0)$	$\psi(\psi_\alpha(\varepsilon_{\Omega_{\alpha_\omega+1}+2}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,0)(5,4,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,0)(5,4,1)(6,5,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} + \psi_{\alpha_2}(\alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+2} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(2,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} + \Omega_{\alpha_\omega+1} +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+2} + \Omega_{\alpha_\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(2,2,2)(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} + \varepsilon_{\Omega_{\alpha_\omega+1}+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(2,2,2)(3,2,1)(4,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} \cdot 2 + \psi_{\alpha_2}(\Omega_{\alpha_\omega+2} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} \cdot \alpha_\omega))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2} \cdot \Omega_{\alpha_\omega+1} +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+2} \cdot \Omega_{\alpha_\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(3,2,1)(4,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2}^2 + \psi_{\alpha_2}(\Omega_{\alpha_\omega+2}^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(4,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2}^{\alpha_\omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(4,2,1)(5,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+2}^{\Omega_{\alpha_\omega+2}} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+2}^{\Omega_{\alpha_\omega+2}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(4,3,0)$	$\psi(\psi_\alpha(\varepsilon_{\Omega_{\alpha_\omega+2}+1}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(4,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+3} + \psi_{\alpha_2}(\Omega_{\alpha_\omega+3} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+\omega}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+\alpha_2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,2,1)$	$\psi(\psi_\alpha(\Omega_{\Omega_{\alpha_\omega+1}} + \psi_{\alpha_2}(\Omega_{\Omega_{\alpha_\omega+1}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,3,0)$	$\psi(\psi_\alpha(\text{OFP}(\alpha_\omega + 1)))$ $= \psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1} \cdot \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1}^2 + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1+1}^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1}^2 + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1}^2 + \Omega_{\alpha_\omega+1} +$ $\psi_{\alpha_2}(\Omega_{\alpha_\omega+1+1}^2 + \Omega_{\alpha_\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,3,1)(2,2,2)(3,2,1)(4,3,1)(5,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1}^2 + \psi_{\alpha_{\omega+1}}(\Omega_{\alpha_\omega+1+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(3,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1}^2 + \psi_{\alpha_{\omega+1}}(\Omega_{\alpha_\omega+1+1}^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1}^2 + \psi_{\alpha_{\omega+1}}(\Omega_{\alpha_\omega+1+1}^2 + \alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,1)-$ $-(5,3,1)(3,2,1)(4,3,1)(5,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1}^2 + \psi_{\alpha_{\omega+1}}(\Omega_{\alpha_\omega+1+1}^2 +$ $\psi_{\alpha_{\omega+1}}(\Omega_{\alpha_\omega+1+1}^2)) + \psi_{\alpha_2}(\Omega_{\alpha_\omega+1+1}^2 +$ $\psi_{\alpha_{\omega+1}}(\Omega_{\alpha_\omega+1+1}^2 + \psi_{\alpha_{\omega+1}}(\Omega_{\alpha_\omega+1+1}^2))) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(4,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega+1+1}^2 + \alpha_{\omega+1}))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(4,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega+1}+1}^2 + \Omega_{\alpha_{\omega+1}+1} +$ $\psi_{\alpha_2}(\Omega_{\alpha_{\omega+1}+1}^2 + \Omega_{\alpha_{\omega+1}+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(4,3,1)(5,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega+1}+1}^2 \cdot 2 + \psi_{\alpha_2}(\Omega_{\alpha_{\omega+1}+1}^2 \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(5,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega+1}+1}^2 \cdot \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(6,0,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega+1}+1}^\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(6,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega+1}+1}^{\alpha_\omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,1)(5,3,1)(6,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega+1}+1}^{\Omega_{\alpha_{\omega+1}+1}} +$ $\psi_{\alpha_2}(\Omega_{\alpha_{\omega+1}+1}^{\Omega_{\alpha_{\omega+1}+1}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,4,0)$	$\psi(\psi_\alpha(\alpha_{\omega+2}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,1)(5,4,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega+2}+1} + \psi_{\alpha_2}(\Omega_{\alpha_{\omega+2}+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(2,2,2)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega \cdot 2})))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2} + \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2} \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2} \cdot \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,2,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2} \cdot (\alpha_\omega + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2} \cdot \Omega_{\alpha_{\omega+1}} + \psi_{\alpha_2}(\alpha_{\omega \cdot 2} \cdot \Omega_{\alpha_{\omega+1}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2} \cdot \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2}^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(6,0,0)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2}^\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,0)(6,4,0)$	$\psi(\psi_\alpha(\varepsilon_{\alpha_{\omega \cdot 2}+1}))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega \cdot 2}+1} + \psi_{\alpha_2}(\Omega_{\alpha_{\omega \cdot 2}+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(4,3,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega \cdot 2}+1} + \alpha_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(4,3,2)(5,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega \cdot 2}+1} \cdot 2 + \psi_{\alpha_2}(\Omega_{\alpha_{\omega \cdot 2}+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,0)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega \cdot 2+1}+1} + \psi_{\alpha_2}(\Omega_{\alpha_{\omega \cdot 2+1}+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,1)(7,5,0)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 2+2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,1)(6,4,2)$	$\psi(\psi_\alpha(\alpha_{\omega \cdot 3}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,1,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_2}(\alpha_{\omega^2} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(2,1,1)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_2}(\alpha_{\omega^2} + \psi_{\alpha_2}(\alpha_{\omega^2}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_3}(\alpha_{\omega^2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,1)(3,3,2)(4,3,2)(3,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_\omega \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,0)(4,3,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,0)(4,3,1)(5,4,2)(6,4,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\alpha_{\omega^2})))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,1,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,1,1)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\alpha_\omega))))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \Omega_{\alpha_2+1} +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \Omega_{\alpha_2+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,2,1)(3,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \psi_{\alpha_3}(\alpha_3)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,2,1)(3,3,2)-$ $-(4,3,2)(3,3,2)(4,3,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \psi_{\alpha_3}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1}) +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \psi_{\alpha_3}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,2,1)(3,3,2)-$ $-(4,3,2)(3,3,2)(4,3,1)(3,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,2,2)(3,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} + \alpha_\omega \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot 2 +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(2,2,2)(3,2,1)(2,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot 2 + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(2,2,2)(3,2,1)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot 2 + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,0,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot \alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,1,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot \psi_{\alpha_2}(\alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,1)(3,3,2)(4,3,2)-$ $-(3,3,2)(4,3,1)(4,2,0)(3,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot \alpha_2 + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,1)(3,3,2)(4,3,2)-$ $-(3,3,2)(4,3,1)(4,2,0)(3,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_\omega+1} \cdot \alpha_2 + \alpha_\omega))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,1)(3,3,2)(4,3,2)-$ $-(3,3,2)(4,3,1)(4,2,0)(3,3,2)(4,3,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot (\alpha_2 + 1) +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot (\alpha_2 + 1) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,1)(3,3,2)(4,3,2)-$ $-(3,3,2)(4,3,1)(4,2,0)-$ $-(3,3,2)(4,3,1)(4,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot \alpha_2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,1)(3,3,2)(4,3,2)-$ $-(3,3,2)(4,3,1)(4,2,0)(4,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot \alpha_2^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,1)(3,3,2)-$ $-(4,3,2)(3,3,2)(4,3,1)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot (\alpha_\omega + 1) +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot (\alpha_\omega + 1) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,2,0)(2,2,2)-$ $-(3,2,1)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot \alpha_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(3,2,0)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot \alpha_\omega^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}} \cdot \varepsilon_{\alpha_{\omega+1}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(3,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}}^2 +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}}^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}}^{\alpha_\omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}}^{\Omega_{\alpha_{\omega+1}}} +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}}^{\Omega_{\alpha_{\omega+1}}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,0)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega+1} \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\Omega_{\alpha_{\omega+1}+1}) +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\Omega_{\alpha_{\omega+1}+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega \cdot 2})))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega^2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(3,0,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega^2} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(3,2,1)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega^2} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega^2}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,0)(5,4,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}+1} + \Omega_{\alpha_{\omega+1}} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}+1} +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,1)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}+1} + \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,1)(5,0,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega+1}+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,1)(5,4,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+2}}(\alpha_{\omega+2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,1)(5,4,2)(6,4,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega+2}}(\alpha_{\omega^2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(4,3,1)-$ $-(5,4,2)(6,4,2)(5,4,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega+2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2} + \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2} \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)(5,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2} \cdot \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2} \cdot \alpha_{\omega+1}))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)(5,3,0)-$ $-(4,3,1)(5,4,2)(6,4,2)(5,4,2)(6,4,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2} \cdot \alpha_{\omega+2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,3,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2}^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,3,0)(6,4,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \varepsilon_{\alpha_{\omega \cdot 2}+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(4,3,2)(5,3,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega \cdot 2}+1} +$ $\psi_{\alpha_2}(\alpha_{\omega^2} + \Omega_{\alpha_{\omega \cdot 2}+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,3,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega \cdot 2}+1} + \alpha_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,3,1)(5,0,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \Omega_{\alpha_{\omega \cdot 2}+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,3,1)(6,4,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega \cdot 2}+1}(\alpha_{\omega \cdot 2}+1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,3,1)(6,4,2)(7,4,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \psi_{\alpha_{\omega \cdot 2}+1}(\alpha_{\omega^2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,3,1)(6,4,2)(7,4,2)(6,4,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 2}+1))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(4,3,2)(5,3,1)(6,4,2)(7,4,2)(6,4,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} + \alpha_{\omega \cdot 3}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)(2,1,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 2 + \psi_{\alpha_2}(\alpha_{\omega^2} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)(2,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 2 + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 2 + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(2,2,2)-$ $-(3,2,2)(2,2,2)(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 2 + \psi_{\alpha_{\omega+1}}(\alpha_{\omega+1})))$



BMS	投影
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(2,2,2)(3,2,2)(2,2,2)(3,2,1)- -(4,3,2)(5,3,2)(4,3,2)(5,3,2)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 2 + \psi_{\alpha_{\omega+1}}(\alpha_{\omega^2} \cdot 2)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(2,2,2)(3,2,2)(2,2,2)(3,2,1)- -(4,3,2)(5,3,2)(4,3,2)(5,3,2)(4,3,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 2 + \alpha_{\omega+1}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(2,2,2)(3,2,2)(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(4,3,2)(5,3,2)(4,3,2)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 2 + \alpha_{\omega \cdot 2}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(2,2,2)(3,2,2)(2,2,2)(3,2,2)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot 3))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,0,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \omega))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,1,0)(2,0,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,1,1)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \Omega_{\alpha+1} + \psi_{\alpha_2}(\alpha_{\omega^2} \cdot \Omega_{\alpha+1} + 1)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(2,2,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_2 + \alpha_2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(2,2,1)(3,3,2)(4,3,2)(4,2,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_2 + \psi_{\alpha_3}(\alpha_{\omega^2} \cdot \alpha_2)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,1)(3,3,2)(4,3,2)(4,2,0)(3,3,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_2 + \alpha_3))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,1)(3,3,2)(4,3,2)(4,2,0)(3,3,2)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_2 + \alpha_\omega))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(2,2,1)(3,3,2)(4,3,2)- -(4,2,0)(3,3,2)(4,3,2)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot (\alpha_2 + 1)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(2,2,1)(3,3,2)(4,3,2)- -(4,2,0)(3,3,2)(4,3,2)(4,2,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_2 \cdot 2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,1)(3,3,2)(4,3,2)(4,2,1)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \Omega_{\alpha_2+1} + \psi_{\alpha_2}(\alpha_{\omega^2} \cdot \Omega_{\alpha_2+1} + 1)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,1)(3,3,2)(4,3,2)(4,3,0)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_3))$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(3,2,0)(2,2,2)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_\omega))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(2,2,2)(2,2,2)	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_\omega + \alpha_\omega))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_\omega + \Omega_{\alpha_\omega+1} +$ $\psi_{\alpha_2}(\alpha_{\omega^2} \cdot \alpha_\omega + \Omega_{\alpha_\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_\omega + \psi_{\alpha_{\omega+1}}(\alpha_{\omega^2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_\omega + \psi_{\alpha_{\omega+1}}(\alpha_{\omega^2} \cdot \alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,2,0)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_\omega + \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,2,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_\omega + \alpha_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,2,0)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot (\alpha_\omega + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(5,2,0)(4,3,2)(5,3,2)(5,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_\omega \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,2,0)(6,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \varepsilon_{\alpha_\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(5,2,1)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \Omega_{\alpha_\omega+1} + \psi_{\alpha_2}(\alpha_{\omega^2} \cdot \Omega_{\alpha_\omega+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,2,1)(6,3,2)(7,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \psi_{\alpha_{\omega+1}}(\alpha_{\omega^2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,3,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2} \cdot \alpha_{\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2}^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,2)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2}^2 + \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,2)(3,2,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2}^2 + \alpha_{\omega^2} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)-$ $-(2,2,2)(3,2,2)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2}^2 + \alpha_{\omega^2} \cdot \alpha_\omega))$

BMS	投影
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,2)(3,2,2)(3,2,0)(2,2,2)(3,2,1)- -(4,3,2)(5,3,2)(5,3,0)- -(4,3,2)(5,3,2)(5,3,0)	$\psi(\psi_\alpha(\alpha_{\omega^2}^2 + \alpha_{\omega^2} \cdot \alpha_{\omega+1}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,2)(3,2,2)(3,2,0)(2,2,2)(3,2,1)- -(4,3,2)(5,3,2)(5,3,0)(4,3,2)- -(5,3,2)(5,3,0)(4,3,2)	$\psi(\psi_\alpha(\alpha_{\omega^2}^2 + \alpha_{\omega^2} \cdot \alpha_{\omega \cdot 2}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(2,2,2)(3,2,2)(3,2,0)(2,2,2)(3,2,2)	$\psi(\psi_\alpha(\alpha_{\omega^2}^2 \cdot 2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(3,1,0)(2,0,0)	$\psi(\psi_\alpha(\alpha_{\omega^2}^2 \cdot \alpha))$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(3,2,0)(3,2,0)	$\psi(\psi_\alpha(\alpha_{\omega^2}^2 \cdot \alpha_2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(3,2,0)(2,2,2)(3,2,2)	$\psi(\psi_\alpha(\alpha_{\omega^2}^3))$
(0,0,0)(1,1,1)(2,2,2)- -(3,2,2)(3,2,0)(4,0,0)	$\psi(\psi_\alpha(\alpha_{\omega^2}^\omega))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(4,2,0)	$\psi(\psi_\alpha(\alpha_{\omega^2}^{\alpha_2}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(4,2,0)(2,2,2)	$\psi(\psi_\alpha(\alpha_{\omega^2}^{\alpha_\omega}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,0)- -(4,2,0)(2,2,2)(3,2,1)(4,3,2)- -(5,3,2)(5,3,0)(6,3,0)(4,3,2)	$\psi(\psi_\alpha(\alpha_{\omega^2}^{\alpha_{\omega \cdot 2}}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(4,2,0)(2,2,2)(3,2,2)	$\psi(\psi_\alpha(\alpha_{\omega^2}^{\alpha_{\omega^2}}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,0)(4,3,0)	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,1)	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} + \psi_{\alpha_2}(\Omega_{\alpha_{\omega^2}+1} + 1)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(2,2,0)	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} + \alpha_2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(2,2,2)	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} + \alpha_\omega))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(3,2,1)(2,2,2)(3,2,2)	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} + \alpha_{\omega^2}))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,1)- -(2,2,2)(3,2,2)(3,2,0)(2,2,2)(3,2,2)	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} + \alpha_{\omega^2}^2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,1)- -(2,2,2)(3,2,2)(3,2,0)(4,3,1)	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} \cdot 2 + \Omega_{\alpha+1} \cdot \omega))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(2,2,2)(3,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} \cdot 2 + \psi_{\alpha_2}(\Omega_{\alpha_{\omega^2}+1} \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} \cdot \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} \cdot \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,1)-$ $-(3,2,0)(2,2,2)(3,2,2)(3,2,1)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1} \cdot (\alpha_{\omega^2} + \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^2 + \psi_{\alpha_2}(\Omega_{\alpha_{\omega^2}+1}^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,1)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^2 + \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,1)(3,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^2 \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(3,2,1)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^3 + \psi_{\alpha_2}(\Omega_{\alpha_{\omega^2}+1}^3 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,2,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^{\alpha_2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,2,0)(2,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^{\alpha_\omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,3,1)(6,3,0)(4,3,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^{\alpha_{\omega^2}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,2,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^{\alpha_{\omega^2}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,1)-$ $-(4,2,0)(3,2,1)(4,2,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^{\alpha_{\omega^2} \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^{\varepsilon_{\alpha_{\omega^2}+1}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2}+1}^{\Omega_{\alpha_{\omega^2}+1}} + \psi_{\alpha_2}(\Omega_{\alpha_{\omega^2}+1}^{\Omega_{\alpha_{\omega^2}+1}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2+1}+1} + \psi_{\alpha_2}(\Omega_{\alpha_{\omega^2+1}+1} + 1)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2+\omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2+\omega} \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^2+\omega} \cdot \alpha_{\omega^2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2+\omega}^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,0)(6,4,0)$	$\psi(\psi_\alpha(\varepsilon_{\alpha_{\omega^2+\omega}+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_{\omega^2+\omega}+1} + \psi_{\alpha_2}(\Omega_{\alpha_{\omega^2+\omega}+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,1)(6,4,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2+\omega \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^2 \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3} + \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,3,2)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3} + \alpha_{\omega^2+\omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,3,2)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3} + \alpha_{\omega^2 \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(2,2,2)(3,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3} \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3} \cdot \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(3,2,1)-$ $-(4,3,2)(5,3,2)(5,3,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_{\omega^3} \cdot \alpha_{\omega^2+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(5,3,2)(5,3,0)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3} \cdot \alpha_{\omega^2 \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(3,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3}^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\varepsilon_{\alpha_{\omega^3}+1}))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\omega,3}+1 + \psi_{\alpha_2}(\Omega_{\alpha_\omega,3}+1 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,1)(4,3,2)(5,3,2)(5,3,2)$	$\psi(\psi_\alpha(\alpha_{\omega^3 \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(3,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\omega^4}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\alpha))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(2,1,1)(3,2,2)(4,2,2)(5,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\alpha + \psi_{\alpha_2}(\alpha_\alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,2,0)$	$\psi(\psi_\alpha(\alpha_\alpha + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_\alpha + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(2,2,2)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_\alpha \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(3,2,1)$	$\psi(\psi_\alpha(\Omega_{\alpha_\alpha+1} + \psi_{\alpha_2}(\Omega_{\alpha_\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\alpha+\omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_{\alpha \cdot 2}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\alpha \cdot \omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,1,0)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\alpha_{\alpha^2}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,0)(5,2,0)$	$\psi(\psi_\alpha(\alpha_{\varepsilon_{\alpha+1}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)$	$\psi(\psi_\alpha(\alpha_{\Omega_{\alpha+1}} + \psi_{\alpha_2}(\alpha_{\Omega_{\alpha+1}} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,1,1)(5,2,2)$	$\psi(\psi_\alpha(\alpha_{\psi_{\alpha_2}(\alpha_\omega)}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_{\alpha_2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,2,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\alpha_2 \cdot \omega}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,1)(3,3,2)(4,3,2)(5,3,0)$	$\psi(\psi_\alpha(\alpha_{\alpha_3}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\alpha_\omega}))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\alpha_\omega} + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\alpha_\omega} + \psi_{\alpha_{\omega+1}}(\alpha_{\omega \cdot 2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,2,0)$	$\psi(\psi_\alpha(\alpha_{\alpha_\omega} + \psi_{\alpha_{\omega+1}}(\alpha_{\alpha_2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\alpha_\omega} + \psi_{\alpha_{\omega+1}}(\alpha_{\alpha_\omega})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,2,0)(4,3,0)$	$\psi(\psi_\alpha(\alpha_{\alpha_\omega} + \alpha_{\omega+1}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,2,0)(4,3,2)(5,3,2)(6,2,0)$	$\psi(\psi_\alpha(\alpha_{\alpha_\omega} + \alpha_{\alpha_2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,1)(4,3,2)(5,3,2)-$ $-(6,2,0)(4,3,2)(5,3,2)(6,2,0)(2,2,2)$	$\psi(\psi_\alpha(\alpha_{\alpha_\omega} \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(2,2,2)(3,2,1)(4,3,2)(5,3,2)(6,3,0)$	$\psi(\psi_\alpha(\alpha_{\alpha_{\omega+1}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,1)-$ $-(4,3,2)(5,3,2)(6,3,0)(4,3,2)$	$\psi(\psi_\alpha(\alpha_{\alpha_{\omega \cdot 2}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\alpha_{\alpha_{\omega^2}}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(2,2,2)(3,2,2)(4,2,0)$	$\psi(\psi_\alpha(\alpha_{\alpha_{\alpha_2}}))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\text{afp})) = \psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,0,0)(2,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,0,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) + \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,0,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,0,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,1,0)(2,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) \cdot \alpha))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,1,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) \cdot \Omega_{\alpha+1} +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \beta) \cdot \Omega_{\alpha+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,1,1)(4,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) \cdot \psi_{\alpha_2}(\alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)(2,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta) \cdot \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta)^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)(3,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta)^2 \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)(3,2,0)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta)^3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)(4,2,0)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta)^{\psi_\beta(\alpha_{\beta+1} \cdot \beta)}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta + \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \beta + \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(2,2,2)(3,2,2)(4,2,0)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta + \Omega_{\beta+1}) \cdot 2 +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \beta + \Omega_{\beta+1}) \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta + \Omega_{\beta+1})^2 +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \beta + \Omega_{\beta+1})^2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta + \Omega_{\beta+1} + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,2)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \omega)) \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,2)(5,3,0)(6,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \omega) + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,1)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \omega^2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,1,0)(2,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \alpha))))$



BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)(2,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \alpha_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,2,0)-$ $-(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \psi_\beta(\alpha_{\beta+1} \cdot \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \psi_\beta(\alpha_{\beta+1} \cdot (\beta + 1))))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta + \psi_\beta(\alpha_{\beta+1} \cdot (\beta + \omega))))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega) + \psi_\beta(\alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,0)(3,2,1)-$ $-(4,3,2)(5,3,2)(6,3,0)(5,3,2)(4,3,2)-$ $-(5,3,2)(6,3,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega) + \psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,2)(2,2,2)(3,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega) \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(3,2,0)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega)^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega + \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega + \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta \cdot \omega + \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot (\omega + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \alpha)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,1,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \alpha \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(2,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \alpha_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \psi_\beta(\alpha_{\beta+1} \cdot \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,2)(4,2,0)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta^2 + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,2)(4,2,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\beta^2 + \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)-$ $-(3,2,2)(4,2,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta^3)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \beta^\beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \varepsilon_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) + \psi_\beta(\alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) \cdot 2 +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1} + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1} + \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1} + \Omega_{\beta+1}) + 1)))$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot (\Omega_{\beta+1} + \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,1)(4,3,2)(5,3,2)(6,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1} \cdot 2) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1} \cdot 2) + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(3,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}^2) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}^2) + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}^\beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \varepsilon_{\Omega_{\beta+1}+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,1)(6,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+\omega})))$ $= \psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \Omega_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega) \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,2,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 +$ $\alpha_{\beta+1} \cdot \psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \psi_\beta(\alpha_{\beta+1}^2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,0)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 +$ $\alpha_{\beta+1} \cdot \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,0)(6,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,0)(6,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \beta \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,0)(8,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \varepsilon_{\beta+1})))$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,1)(8,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot 2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \psi_\beta(\alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \psi_\beta(\alpha_{\beta+1} \cdot \varepsilon_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)(3,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \psi_\beta(\alpha_{\beta+1} \cdot \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) +$ $\psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) +$ $\psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) +$ $\psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega)) \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,1)(4,3,2)(5,3,2)(6,2,0)-$ $-(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) +$ $\psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega)$ $+ \psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(3,2,1)(4,3,2)-$ $-(5,3,2)(6,3,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \psi_\beta(\alpha_{\beta+1}^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \psi_\beta(\alpha_{\beta+1}^2) \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1})))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) +$ $\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,3,2)-$ $-(7,3,2)(5,3,2)(6,3,2)(7,3,1)-$ $-(8,4,2)(9,4,2)(10,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) +$ $\psi_{\psi_\beta(\alpha_{\beta+1}^2 \cdot 2)}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(3,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot \psi_\beta(\alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot \psi_\beta(\alpha_{\beta+1} \cdot \beta \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot$ $\psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot \psi_\beta(\alpha_{\beta+1}^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)-$ $-(5,3,2)(6,3,2)(7,3,2)(6,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,3,2)(7,3,2)(6,3,0)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega) \cdot \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,0)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega)^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,0)(3,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega)^2 \cdot \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,0)(3,2,0)(2,2,2)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega)^3))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega + \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega + \Omega_{\beta+1}) + 1)))$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega + \varepsilon_{\Omega_{\beta+1}+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega + \alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,1)(7,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot (\omega + 1) + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,0)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \beta + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \beta + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,0)(3,2,1)-$ $-(4,3,2)(5,3,2)(6,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot (\beta + \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \beta \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \beta^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \varepsilon_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \Omega_{\beta+1} + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \Omega_{\beta+1} + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \Omega_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(3,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \Omega_{\beta+1}^2) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1}^2 \cdot \Omega_{\beta+1}^2) + 1)))$

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$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^2 \cdot \varepsilon_{\Omega_{\beta+1}+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^3 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,3,2)(7,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^3 + \alpha_{\beta+1}^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^3 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(4,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\alpha)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\alpha + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\alpha \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(3,2,2)(4,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\alpha \cdot \alpha_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\alpha \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,1,0)(3,2,2)(4,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha \cdot 2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,1,0)(5,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\varepsilon_{\alpha+1}})))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(4,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(2,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_\omega})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\psi_\beta(\alpha_{\beta+1} \cdot \beta)})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(2,2,2)(3,2,2)(4,2,2)(4,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\psi_\beta(\alpha_{\beta+1}^{\alpha_2})})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\beta + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\beta \cdot \omega)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\beta \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(3,2,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\beta \cdot \varepsilon_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(3,2,2)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\beta+1) + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\beta+1) \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(3,2,2)(4,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\beta+\alpha))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(3,2,2)(4,2,2)(4,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\beta+\alpha_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,0)(3,2,2)(4,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\beta \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\beta^2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\varepsilon_{\beta+1}})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\Omega_{\beta+1}})+$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1}^{\Omega_{\beta+1}}+1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,1)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\Omega_{\beta+1}} + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,1)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\Omega_{\beta+1}} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,1)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\Omega_{\beta+1}+1) \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,1)(3,2,2)(4,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\Omega_{\beta+1} \cdot 2))+$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1}(\Omega_{\beta+1} \cdot 2)+1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,1)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\Omega_{\beta+1} \cdot \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,1)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\varepsilon_{\Omega_{\beta+1}+1}})))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)(7,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} + \alpha_{\beta+1}^\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,1)(5,3,2)(6,3,2)(7,3,2)(7,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} + \alpha_{\beta+1}^{\alpha_2})))$



BMS	投影
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(7,2,0)(3,0,0)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} + \alpha_{\beta+1}^{\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}})})))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,2,1)(5,3,2)(6,3,2)(7,3,2)(7,3,0)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} + \alpha_{\beta+1}^{\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} + \alpha_{\beta+1})})))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(7,3,0)(6,0,0)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} + \alpha_{\beta+1}^\beta)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,1)(5,3,2)(6,3,2)- -(7,3,2)(7,3,1)(8,4,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot 2 + \alpha_{\beta+1} \cdot \omega)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,2,2)(2,2,2)(3,2,2)(4,2,2)(4,0,0)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega) + \psi_\beta(\alpha_{\beta+1}^\omega)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,2,2)(2,2,2)(3,2,2)(4,2,2)(4,2,1)- -(5,3,2)(6,3,2)(7,3,2)(7,3,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega) + \psi_{\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}})}(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega))))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,2,2)(2,2,2)(3,2,2)(4,2,2)(4,2,1)- -(5,3,2)(6,3,2)(7,3,2)(7,3,2)- -(3,2,2)(4,2,2)(4,2,0)(3,0,0)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega) + \psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}})))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,2,2)(2,2,2)(3,2,2)(4,2,2)(4,2,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega) \cdot 2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,2)(3,2,0)(2,2,2)- -(3,2,2)(4,2,2)(4,2,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega)^2))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,2)(3,2,0)(4,3,0)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega + \beta)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,2)(3,2,1)(4,3,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega + \alpha_{\beta+1} \cdot \omega)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,2)(3,2,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \omega^2)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,2)(3,2,2)(4,2,0)(3,0,0)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}} \cdot \beta)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)- -(4,2,2)(3,2,2)(4,2,1)(5,3,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} + 1) + \alpha_{\beta+1} \cdot \omega)))$
(0,0,0)(1,1,1)(2,2,2)(3,2,2)- -(4,2,2)(4,2,2)(3,2,2)(4,2,2)	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} + 1) \cdot \omega)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)(4,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} + \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} + \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} + \varepsilon_{\beta+1}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} + \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} + \Omega_{\beta+1})) + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot 2) + \alpha_{\beta+1} \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,2)(3,2,2)(4,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot 2) \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,2)(4,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,2)(4,1,0)(2,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot \alpha))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot \beta) \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,2)(4,2,0)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot \beta) \cdot \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(4,2,2)(4,2,0)(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot \beta + 1) \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,2)(4,2,0)(3,2,2)-$ $-(4,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot \beta + \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,2)(4,2,0)(3,2,2)-$ $-(4,2,2)(4,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1} \cdot \beta \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(4,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^2} \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^\omega}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(5,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^\beta}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)-$ $-(5,2,0)(3,2,2)(4,2,2)(5,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1}^\beta \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(5,2,0)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}(\alpha_{\beta+1}^\beta \cdot \beta))))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(5,2,0)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^{\beta+1}} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(5,2,0)(4,2,2)(5,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^{\beta \cdot 2}})))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(5,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^{\Omega_{\beta+1}}} +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^{\Omega_{\beta+1}}}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,2)(5,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^{\alpha_{\beta+1}}} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,2,2)-$ $-(4,2,2)(5,2,2)(6,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}^{\alpha_{\beta+1}^{\alpha_{\beta+1}}}} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\varepsilon_{\alpha_{\beta+1}+1}))) = \psi(\psi_\alpha(\psi_\beta(\beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(1,1,1)(2,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2)) \cdot 2)$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(2,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(2,2,1)(3,3,2)(4,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_{\alpha_3}(\psi_\beta(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(2,2,1)(3,3,2)(4,4,0)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \alpha_3))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(2,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \alpha_\omega))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(2,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \alpha_{\omega^2}))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(2,2,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,4,0)(3,2,1)-$ $-(4,3,2)(5,3,2)(6,3,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,4,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_{\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1})}(\psi_\beta(\beta_2) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(2,2,2)-$ $-(3,2,2)(4,2,1)(5,3,2)(6,4,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)-$ $-(6,4,0)(5,3,1)(6,4,2)(7,5,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_{\psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot 2)}(\psi_\beta(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,4,0)-$ $-(5,3,1)(6,4,2)(7,5,0)(6,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot 2)))$

BMS	投影
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(2,2,2)(3,2,2)(4,2,1)- -(5,3,2)(6,4,0)(5,3,2)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,4,0)(5,3,2)(6,3,0)(7,4,0)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega + \beta)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,4,0)(5,3,2)(6,3,1)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega + \Omega_{\beta+1}) + \psi_{\alpha_2}(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega + \Omega_{\beta+1}) + 1)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)- -(6,4,0)(5,3,2)(6,3,1)(7,4,2)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega \cdot 2)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(2,2,2)(3,2,2)(4,2,1)(5,3,2)(6,4,0)- -(5,3,2)(6,3,2)(7,3,0)(6,0,0)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \beta)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(2,2,2)(3,2,2)(4,2,2)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) + \psi_\beta(\alpha_{\beta+1}^2 \cdot \omega)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(2,2,2)(3,3,0)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot 2))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)(3,2,0)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot \alpha_2))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(3,2,0)(2,2,2)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot \alpha_\omega))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)(3,2,0)- -(2,2,2)(3,2,1)(4,3,2)(5,4,0)(5,3,0)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot \alpha_{\omega+1}))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(3,2,0)(2,2,2)(3,2,1)(4,3,2)- -(5,4,0)(5,3,0)(4,3,2)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot \alpha_{\omega \cdot 2}))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(3,2,0)(2,2,2)(3,2,2)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot \alpha_{\omega^2}))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(3,2,0)(2,2,2)(3,2,2)(4,2,0)(3,0,0)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot \psi_\beta(\alpha_{\beta+1} \cdot \beta)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(3,2,0)(2,2,2)(3,2,2)(4,2,1)- -(5,3,2)(6,4,0)(6,2,0)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot \psi_{\psi_\beta(\alpha_{\beta+1}^2)}(\psi_\beta(\beta_2) \cdot \alpha_2)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(3,2,0)(2,2,2)(3,2,2)(4,2,2)	$\psi(\psi_\alpha(\psi_\beta(\beta_2) \cdot \psi_\beta(\alpha_{\beta+1}^2 \cdot \omega)))$
(0,0,0)(1,1,1)(2,2,2)(3,3,0)- -(3,2,0)(2,2,2)(3,3,0)	$\psi(\psi_\alpha(\psi_\beta(\beta_2)^2))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,0)(2,2,2)(3,3,0)(2,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2)^2 + \psi_\beta(\beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(3,2,0)-$ $-(2,2,2)(3,3,0)(3,2,0)(2,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2)^2 \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,0)(3,2,0)(2,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2)^3))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,0)(4,2,0)(2,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2)\psi_\beta(\beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,0)(4,3,0)(3,2,0)(2,2,2)-$ $-(3,3,0)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \beta)^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,0)(4,3,0)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \beta)\psi_\beta(\beta_2 + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,0)(4,3,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \beta \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,0)(4,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \Omega_{\beta+1}) + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\beta_2 + \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \alpha_{\beta+1} \cdot \omega) \cdot 2))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,3,0)(6,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \alpha_{\beta+1} \cdot \omega + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \alpha_{\beta+1} \cdot \omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,0)(7,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \alpha_{\beta+1} \cdot \varepsilon_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,3,2)(6,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \alpha_{\beta+1}^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,4,0)(4,3,2)(5,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2)) \cdot 2))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,4,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2)) \cdot \psi_\beta(\beta_2 + \alpha_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(3,2,1)-$ $-(4,3,2)(5,4,0)(5,3,0)(4,3,2)(5,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2))^2))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,4,0)(5,3,0)(6,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2) + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,1)(4,3,2)(5,4,0)(5,3,1)(6,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2) + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2 + 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2 + \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2 + \varepsilon_{\beta+1}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2 + \alpha_{\beta+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,2)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2 + \psi_{\beta_2}(\beta_2)))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(3,2,2)(4,3,0)(4,2,2)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 + \psi_{\beta_2}(\beta_2 + \psi_{\beta_2}(\beta_2 + \psi_{\beta_2}(\beta_2)))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \Omega_{\beta+1}) + \psi_{\alpha_2}(\psi_\beta(\beta_2 \cdot \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,1)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,1)(5,3,2)(6,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,1)(5,3,2)(6,4,0)(6,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2 \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,2,1)-$ $-(5,3,2)(6,4,0)(7,3,1)(8,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2 \cdot \alpha_{\beta+1}) + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2 \cdot \alpha_{\beta+1} + 1))))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2 \cdot \alpha_{\beta+1} + 1) + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2 \cdot \alpha_{\beta+1} + 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(3,2,2)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2))))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot (\alpha_{\beta+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(3,3,0)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot (\alpha_{\beta+1} + \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(3,3,0)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot (\alpha_{\beta+1} + \varepsilon_{\beta+1}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(3,3,0)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot (\alpha_{\beta+1} + \Omega_{\beta+1}))) +$ $\psi_{\alpha_2}(\psi_\beta(\beta_2 \cdot (\alpha_{\beta+1} + \Omega_{\beta+1})) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(3,3,0)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} \cdot 2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,2,2)-$ $-(3,3,0)(4,2,1)(5,3,2)(6,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} \cdot 2 + \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(3,3,0)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} \cdot 2 +$ $\psi_{\beta_2}(\beta_2 \cdot \alpha_{\beta+1} \cdot 2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(3,3,0)(4,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} \cdot 2 + \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,2,2)-$ $-(4,2,0)(3,3,0)(4,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} \cdot \beta \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(4,2,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1} \cdot \varepsilon_{\beta+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1}^2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1}^2 + \psi_{\beta_2}(\beta_2 \cdot \alpha_{\beta+1}^2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,2)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1}^\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(5,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1}^\beta)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,2)(5,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \alpha_{\beta+1}^{\alpha_{\beta+1}} +$ $\psi_{\beta_2}(\beta_2 \cdot \alpha_{\beta+1}^{\alpha_{\beta+1}} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,2)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \psi_{\beta_2}(\beta_2))))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(5,3,0)(3,3,0)(4,2,2)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \psi_{\beta_2}(\beta_2) \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,2,2)(5,3,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \psi_{\beta_2}(\beta_2 \cdot 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,2,2)(5,3,0)(6,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2 \cdot \psi_{\beta_2}(\beta_2 \cdot \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,3,0)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^2 + \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,3,0)(3,3,0)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^2 + \beta_2 \cdot \alpha_{\beta+1} +$ $\psi_{\beta_2}(\beta_2^2 + \beta_2 \cdot \alpha_{\beta+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,3,0)(3,3,0)(4,2,2)(5,3,0)(6,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^2 + \beta_2 \cdot \psi_{\beta_2}(\beta_2^2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)-$ $-(4,3,0)(3,3,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^2 \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,3,0)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^2 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_2^2 \cdot \alpha_{\beta+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,3,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^3)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,3,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^\omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,0)(4,3,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_2^{\beta_2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\varepsilon_{\beta_2+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,0)(4,4,1)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1}) + \Omega_{\alpha+1} \cdot \omega))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1}) + \psi_{\alpha_2}(\psi_\beta(\Omega_{\beta_2+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)(2,2,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1}) + \alpha_2))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,1)(2,2,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1}) + \psi_\beta(\beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,1)(2,2,2)(3,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1}) \cdot 2 +$ $\psi_{\alpha_2}(\psi_\beta(\Omega_{\beta_2+1}) \cdot 2 + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,1)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\Omega_{\beta_2+1} + \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,1)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \alpha_{\beta+1} \cdot \omega)))$



BMS	投影
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,1)(3,2,1)(4,3,2)(5,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \psi_{\beta_2}(\Omega_{\beta_2+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(3,2,2)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \psi_{\beta_2}(\Omega_{\beta_2+1} + 1) + \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(3,2,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \psi_{\beta_2}(\Omega_{\beta_2+1} + 2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \psi_{\beta_2}(\Omega_{\beta_2+1} + \beta))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(3,2,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \psi_{\beta_2}(\Omega_{\beta_2+1} + \alpha_{\beta+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(3,2,2)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \psi_{\beta_2}(\Omega_{\beta_2+1} + \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(3,3,0)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \beta_2 \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(3,3,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \beta_2^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(3,3,0)(4,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} + \varepsilon_{\beta_2+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)(3,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_2+1} \cdot 2) + \psi_{\alpha_2}(\psi_\beta(\Omega_{\beta_2+1} \cdot 2) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)(4,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(4,4,2)(5,4,0)(4,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \alpha_{\beta+1} \cdot \omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,1)(4,4,2)(5,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \alpha_{\beta+1} \cdot \omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(4,4,2)(5,4,2)(6,4,0)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \alpha_{\beta+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,1)-$ $-(4,4,2)(5,4,2)(6,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \alpha_{\beta+1}^2 \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,1)(4,4,2)(5,5,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,1)(4,4,2)(5,5,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\Omega_{\beta_2+1})) + \psi_{\alpha_2}(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\Omega_{\beta_2+1})) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\alpha_{\beta_2+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(2,2,2)(3,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\alpha_{\beta_2+1} + 1)) \cdot 2))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\alpha_{\beta_2+1} + 1) + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\alpha_{\beta_2+1} + 2))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\alpha_{\beta_2+1} + \beta))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(3,2,2)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \psi_{\beta_2}(\alpha_{\beta_2+1} + \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(3,3,0)(4,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \varepsilon_{\beta_2+1})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(3,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} + \Omega_{\beta_2+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta_2+1} + \Omega_{\beta_2+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(3,3,1)(4,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot 2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(3,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot 2 + \psi_{\beta_2}(\alpha_{\beta_2+1} \cdot 2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,2,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,0)(3,2,0)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \beta)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,0)(3,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \Omega_{\beta+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,0)(3,2,1)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \varepsilon_{\Omega_{\beta+1}+1})))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,0)(3,2,1)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,0)(3,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \beta + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,0)(3,2,2)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \beta + \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,0)(3,2,2)(4,3,1)(5,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \beta +$ $\psi_{\psi_{\beta_2}(\alpha_{\beta_2+1})}(\psi_\beta(\alpha_{\beta_2+1} + \alpha_{\beta+1} \cdot \omega))))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,0)(3,2,2)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta +$ $\psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \beta + \psi_{\beta_2}(\alpha_{\beta_2+1}))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,0)(3,2,2)(4,3,2)(5,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta +$ $\psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \beta + \psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \beta))))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,0)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,0)(3,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \Omega_{\beta_2+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta + \Omega_{\beta_2+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,0)(3,3,1)(4,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot (\beta + 1) + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,0)(3,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot (\beta + 1) +$ $\psi_{\beta_2}(\alpha_{\beta_2+1} \cdot (\beta + 1) + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,0)(3,3,2)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,0)(4,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,2,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \Omega_{\beta+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta_2+1} \cdot \Omega_{\beta+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,1)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \alpha_{\beta+1} + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \alpha_{\beta+1} +$ $\psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \alpha_{\beta+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,2,2)(3,3,2)(4,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \alpha_{\beta+1} \cdot 2 +$ $\psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \alpha_{\beta+1} \cdot 2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,2,2)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,3,0)(3,3,2)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \beta_2 \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1} \cdot \Omega_{\beta_2+1}) +$ $\psi_{\alpha_2}(\psi_\beta(\alpha_{\beta_2+1} \cdot \Omega_{\beta_2+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,3,1)(5,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1}^2 + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1}^2 + \psi_{\beta_2}(\alpha_{\beta_2+1}^2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,3,2)(3,3,2)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1}^2 \cdot 2 + \psi_{\beta_2}(\alpha_{\beta_2+1}^2 \cdot 2 + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,3,2)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_2+1}^\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,4,0)(3,3,2)(4,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3 + \psi_{\beta_3}(\beta_3))))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,4,0)(4,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3 \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,4,0)(5,2,0)(3,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3 \cdot \beta)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,4,0)(5,2,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3 \cdot \alpha_{\beta+1} + \psi_{\beta_2}(\beta_3 \cdot \alpha_{\beta+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,4,0)(5,2,2)(6,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3 \cdot \psi_{\beta_2}(\beta_2))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)-$ $-(4,4,0)(5,2,2)(6,3,2)(7,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3 \cdot \psi_{\beta_2}(\beta_3))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,4,0)(5,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3 \cdot \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,4,0)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3 \cdot \alpha_{\beta_2+1} + \psi_{\beta_2}(\beta_3 \cdot \alpha_{\beta_2+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,4,0)(5,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_3^2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,2)(4,4,1)(5,5,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_3+1} + \alpha_{\beta+1} \cdot \omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,4,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_3+1} + \psi_{\beta_2}(\alpha_{\beta_3+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)$	$\psi(\psi_\alpha(\psi_\beta(\beta_\omega)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)-$ $-(3,2,1)(4,3,2)(5,4,3)$	$\psi(\psi_\alpha(\psi_\beta(\beta_\omega + \psi_{\beta_2}(\beta_\omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)(3,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_\omega + \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)(3,3,3)$	$\psi(\psi_\alpha(\psi_\beta(\beta_\omega \cdot 2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)(4,3,0)$	$\psi(\psi_\alpha(\psi_\beta(\beta_\omega \cdot \beta_2)))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,3)(4,3,0)(3,3,3)$	$\psi(\psi_\alpha(\psi_\beta(\beta_\omega^2)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)(4,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\Omega_{\beta_\omega+1}) + \psi_{\alpha_2}(\psi_\beta(\Omega_{\beta_\omega+1}) + 1)))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)(4,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\alpha_{\beta_\omega+1} + \psi_{\beta_2}(\alpha_{\beta_\omega+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,3)(4,3,2)(5,4,3)$	$\psi(\psi_\alpha(\psi_\beta(\beta_{\omega \cdot 2})))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)(4,3,3)$	$\psi(\psi_\alpha(\psi_\beta(\beta_{\omega^2})))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,3)(4,3,3)(5,3,0)(4,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma+1} \cdot \gamma))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,3)(4,3,3)(5,3,1)$	$\psi(\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma+1} \cdot \Omega_{\gamma+1})) + \psi_{\alpha_2}(\psi_\gamma(\beta_{\gamma+1} \cdot \Omega_{\gamma+1}) + 1)))$

BMS	投影
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,3)(4,3,3)(5,3,2)$	$\psi(\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma+1} \cdot \alpha_{\gamma+1}) +$ $\psi_{\beta_2}(\psi_\gamma(\beta_{\gamma+1} \cdot \alpha_{\gamma+1}) + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,3)(4,3,3)(5,3,3)$	$\psi(\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma+1}^2 \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)(4,4,0)$	$\psi(\psi_\alpha(\psi_\beta(\psi_\gamma(\gamma_2))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,3)(4,4,3)$	$\psi(\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma_2+1} + \psi_{\gamma_2}(\beta_{\gamma_2+1} + 1))))$
$(0,0,0)(1,1,1)(2,2,2)-$ $-(3,3,3)(4,4,3)(5,0,0)$	$\psi(\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma_2+1} \cdot \omega))))$
$(0,0,0)(1,1,1)(2,2,2)(3,3,3)(4,4,4)$	$\psi(\psi_\alpha(\psi_\beta(\psi_\gamma(\gamma_\omega))))$
$(0,0,0,0)(1,1,1,1)$	$\psi(\omega - P) = \psi(\psi_S(\sigma_S \cdot \omega))$

## A.18 BMS vs 高阶投影 (Error\_Bug.ver)

本节的结果主要引自 Error\_Bug 的分析。

BMS	投影
$(0,0,0,0)(1,1,1,1)$	$\psi(a(\omega; 0))$
$(0,0,0,0)(1,1,1,1)(1,0,0,0)$	$\psi(a(\omega; 0) + 1)$
$(0,0,0,0)(1,1,1,1)(1,1,0,0)$	$\psi(a(\omega; 0) + \Omega)$
$(0,0,0,0)(1,1,1,1)(1,1,1,0)$	$\psi(a(\omega; 0) + \Omega_\omega)$
$(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,1)$	$\psi(a(\omega; 0) + \psi_a(a(\omega; 0)))$
$(0,0,0,0)(1,1,1,1)(1,1,1,0)-$ $-(2,2,2,1)(2,2,2,0)$	$\psi(a(\omega; 0) + a_\omega)$
$(0,0,0,0)(1,1,1,1)(1,1,1,1)$	$\psi(a(\omega; 0) \cdot 2)$
$(0,0,0,0)(1,1,1,1)(2,0,0,0)$	$\psi(a(\omega; 0) \cdot \omega)$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)$	$\psi(a(\omega; 0) \cdot \Omega)$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0)$	$\psi(a(\omega; 0) \cdot \Omega_\omega)$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)-$ $-(1,1,1,0)(2,2,2,1)(3,2,0,0)$	$\psi(a(\omega; 0) \cdot \psi_a(a(\omega; 0)))$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)-$ $-(1,1,1,0)(2,2,2,1)(3,2,0,0)(2,2,2)$	$\psi(a(\omega; 0) \cdot a_\omega)$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,1)$	$\psi(a(\omega; 0)^2)$

BMS	投影
$(0,0,0,0)(1,1,1,1)(2,1,0,0)-$ $-(2,1,0,0)(1,1,1,1)$	$\psi(a(\omega; 0)^3)$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)(3,0,0,0)$	$\psi(a(\omega; 0)^\omega)$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)-$ $-(3,1,0,0)(1,1,1,1)$	$\psi(a(\omega; 0)^{a(\omega; 0)})$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)(3,2,0,0)$	$\psi(\psi_{\Omega_{a(\omega; 0)+1}}(\Omega_{a(\omega; 0)+1}))$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)(3,2,1,0)$	$\psi(\psi_{\Omega_{a(\omega; 0)+1}}(\Omega_{a(\omega; 0)+\omega}))$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)-$ $-(3,2,1,0)(4,3,2,0)$	$\psi(\psi_{\Omega_{a(\omega; 0)+1}}(a_{a(\omega; 0)+\omega}))$
$(0,0,0,0)(1,1,1,1)(2,1,0,0)(3,2,1,1)$	$\psi(\psi_{\Omega_{a(\omega; 0)+1}}(a(\omega; 1)))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)$	$\psi(\psi_a(\Omega_{a(\omega; 0)+1} \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)-$ $-(1,1,1,0)(2,2,2,1)(3,2,2,0)$	$\psi(\psi_a(\psi_b(a_{a(\omega; 0)+1} \cdot \omega)))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,1)$	$\psi(a(\omega; 1))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)-$ $-(2,1,1,0)(1,1,1,1)$	$\psi(a(\omega; 2))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,0,0,0)$	$\psi(a(\omega; \omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,1,0,0)$	$\psi(a(\omega; \Omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)-$ $-(3,1,0,0)(1,1,1,0)(2,2,2,1)(3,2,2,0)$	$\psi(a(\omega; a_\omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)-$ $-(3,1,0,0)(1,1,1,1)$	$\psi(a(\omega; a(\omega; 0)))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)-$ $-(3,1,0,0)(2,0,0,0)$	$\psi(\psi_{a(\omega+1; 0)}(a(\omega; a(\omega+1; 0)+1)$ $\cdot a(\omega+1; 0)))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,1,1,0)$	$\psi(\psi_{a(\omega+1; 0)}(a(\omega; a(\omega+1; 0)+1)^2 \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,0,0)$	$\psi(\psi_{a(\omega+1; 0)}(\varepsilon_{a(\omega; a(\omega+1; 0)+1)+1}))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,1,0)$	$\psi(\psi_{a(\omega+1; 0)}(\Omega_{a(\omega; a(\omega+1; 0)+1)+1} \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)-$ $-(3,2,1,0)(1,1,1,1)$	$\psi(\psi_{a(\omega+1; 0)}(a(\omega; a(\omega+1; 0)+2)))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)-$ $-(3,2,1,0)(4,0,0,0)$	$\psi(\psi_{a(\omega+1; 0)}(a(\omega; a(\omega+1; 0)+\omega)))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,2,0)$	$\psi(\psi_{a(\omega+1; 0)}(a(\omega+1; \omega)))$
$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,2,1)$	$\psi(a(\omega \cdot 2; 0))$

BMS	投影
$(0,0,0,0)(1,1,1,1)(2,1,1,1)$	$\psi(a(\omega^2; 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)-$ $-(1,1,1,1)(2,1,1,1)$	$\psi(a(\omega^2; 0) \cdot 2)$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,0)$	$\psi(\psi_a(\Omega_{a(\omega^2; 0)+1} \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)-$ $-(2,1,1,0)(3,2,2,0)$	$\psi(a(\omega^2 + 1; \omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)-$ $-(2,1,1,0)(3,2,2,1)$	$\psi(a(\omega^2 + \omega; 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)-$ $-(2,1,1,0)(3,2,2,1)(4,2,2,1)$	$\psi(a(\omega^2 \cdot 2; 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,1)$	$\psi(a(\omega^3; 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,0,0,0)$	$\psi(a(\omega^\omega; 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,0,0)$	$\psi(a(\Omega; 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)-$ $-(3,1,0,0)(1,1,1,1)$	$\psi(a(a(\omega; 0); 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)-$ $-(3,1,0,0)(1,1,1,1)(2,1,1,1)$	$\psi(a(a(\omega^2; 0); 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,0,0)-$ $-(1,1,1,1)(2,1,1,1)(3,1,0,0)$	$\psi(a(a(\Omega; 0); 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $-(3,1,0,0)(2,0,0,0)$	$\psi(a(1, 0; 0))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0)$	$\psi(\psi_{a(1;0;0)}(a(1; 1; 0) \cdot \Omega_{a(1;0;0)+1} \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1; 1; 0)^2 \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,2,0,0)$	$\psi(\psi_{a(1;0;0)}(\varepsilon_{a(1;1;0)+1}))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)$	$\psi(\psi_{a(1;0;0)}(\Omega_{a(1;1;0)+1} \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(2,0,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1; 1; 1) + \psi_{a(1;0;1)}(a(1; 1; 1) + 1)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(2,1,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1; 1; 1) + \psi_{a(1;0;1)}(a(1; 1; 1) + \omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(2,2,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1; 1; 1) + a(1; 0; 1)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(2,2,1,0)$	$\psi(\psi_{a(1;0;0)}(a(1; 1; 1) + \Omega_{a(1;0;1)+1} \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(3,0,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1; 1; 1) + \psi_{a(1;0;2)}(a(1; 1; 1) + 1)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(3,1,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1; 1; 1) +$ $\psi_{a(1;0;2)}(a(1; 1; 1) + \psi_{a(1;0;1)}(a(1; 1; 1) + 1))))??$

BMS	投影
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(3,2,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1)+\psi_{a(1;0;2)}(a(1;1;1)+a(1;0;1))))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(3,2,1,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1)+\psi_{a(1;0;2)}(a(1;1;1)+\Omega_{a(1;0;1)+1}\cdot\omega))))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(3,3,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1)+a(1;0;2)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(3,3,1,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1)+\Omega_{a(1;0;2)+1}\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(3,3,2,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1)+a(1;1;0)+\psi_{a(1;0;1)}(a(1;1;1)+a(1;1;0)+1))))$
$(0,0,0,0)(1,1,1,1)(2,2,1,0)(3,3,2,1)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1)+a(1;1;0)\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1)\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(2,1,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1)\cdot\omega^2))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(2,2,0,0)$	$\psi(\psi_{a(1;0;0)}(\varepsilon_{a(1;1;1)+1}))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(2,2,1,0)$	$\psi(\psi_{a(1;0;0)}(\Omega_{a(1;1;1)+1}\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(2,2,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1;1;2)\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,0,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;\omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,1,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;\Omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,1,1,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;\Omega_{a(1;0;0)+1}\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,1,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1;1;a(1;1;0))\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,2,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1,0)\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,2,1,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1,_(1;0)\omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,2,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1,_(1;1;0)\omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,3,0,0)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1,_(1;1;0),0)))$
$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,3,1,1)$	$\psi(\psi_{a(1;0;0)}(a(1;1;1,_(1;1;0),_(1;1;0)0)))$
$(0,0,0,0)(1,1,1,1)(2,2,2,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(1;2;0)}(a(1;2;\omega))))$
$(0,0,0,0)(1,1,1,1)(2,2,2,0)(3,3,3,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(1;2;0)}(\psi_{a(1;3;0)}(a(1;3;\omega))))$
$(0,0,0,0)(1,1,1,1)(2,2,2,0)(3,3,3,1)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(1;2;0)}(\psi_{a(2;0;0)}(a(2;1;0)\cdot\omega))))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)$	$\psi(\psi_{a(1;0;0)}(a(1;2;0)\cdot\omega))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(2,2,2,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(1;3;0)}(a(1;3;\omega))))$



BMS	投影
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(2,2,2,1)$	$\psi(\psi_{a(1;0;0)}(a(1;3;0) \cdot \omega))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,0,0,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(2;1;0) \cdot \omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,1,1,1)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(2;1;0) \cdot a(1;1;0) \cdot \omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,2,0,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(2;1;0) \cdot a(2;0;0))))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,2,1,1)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(2;1;0) \cdot a(1;1;a(2;0;0)+1) \cdot \omega)))?$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,2,2,1)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(2;1;0)^2 \cdot \omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,3,0,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(\varepsilon_{a(2;1;0)+1})))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,3,1,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(\Omega_{a(2;1;0)+1} \cdot \omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,3,1,1)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(1;1;a(2;1;0)+1) \cdot \omega)))?$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,3,2,1)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(2;1;1) \cdot \omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)-$ $-(3,3,2,1)(4,0,0,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(2;1;\omega))))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,3,3,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(\psi_{a(2;2;0)}(a(2;2;\omega))))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)(3,3,3,1)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(a(2;2;0) \cdot \omega)))$
$(0,0,0,0)(1,1,1,1)(2,2,2,1)-$ $-(3,3,3,1)(4,0,0,0)$	$\psi(\psi_{a(1;0;0)}(\psi_{a(2;0;0)}(\psi_{a(3;0;0)}(a(3;1;0) \cdot \omega))))$
$(0,0,0,0)(1,1,1,1)(2,2,2,2)$	$\psi(a(\omega;0;0))$
$(0,0,0,0)(1,1,1,1)(2,2,2,2)(3,2,2,2)$	$\psi(a(\omega^2;0;0))$
$(0,0,0,0)(1,1,1,1)(2,2,2,2)(3,3,0,0)$	$\psi(\psi_{a(1;0;0;0)}(\varepsilon_{a(1;1;0;0)+1}))$
$(0,0,0,0)(1,1,1,1)(2,2,2,2)(3,3,2,2)$	$\psi(\psi_{a(1;0;0;0)}(a(1;1;0;1) \cdot \omega))?$
$(0,0,0,0)(1,1,1,1)(2,2,2,2)(3,3,3,0)$	$\psi(\psi_{a(1;0;0;0)}(\psi_{a(1;1;1;0)}(a(1;1;1;\omega))))$
$(0,0,0,0)(1,1,1,1)(2,2,2,2)(3,3,3,2)$	$\psi(\psi_{a(1;0;0;0)}(a(1;2;0;0) \cdot \omega))?$
$(0,0,0,0)(1,1,1,1)(2,2,2,2)(3,3,3,3)$	$\psi(a(\omega;0;0;0))$
$(0,0,0,0,0)(1,1,1,1,1)$	$\psi(a(1;@ \omega))$
$(0,0,0,0,0)(1,1,1,1,1)(2,1,1,1,1)$	$\psi(a(1;@ \omega^2))$
$(0,0,0,0,0)(1,1,1,1,1)(2,2,0,0,0)$	$\psi(\psi_{a(1;@ (1;0))}(\varepsilon_{a(1;@ (1;1))+1}))$
$(0,0,0,0,0)(1,1,1,1,1)(2,2,1,1,1)$	$\psi(\psi_{a(1;@ (1;0))}(a(1;@ (1;1);1;@ 0) \cdot \omega))?$

BMS	投影
$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,0,0)$	$\psi(\psi_{a(1;@ (1;0))}(\psi_{a(2;@ (1;1))}(a(2;@ (1;1);\omega;@0))))?$
$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,1,1)$	$\psi(\psi_{a(1;@ (1;0))}(a(2;@ (1;1)) \cdot \omega))$
$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,0)$	$\psi(\psi_{a(1;@ (1;0))}(\psi_{a(1;@ (1;2))}(a(\omega;@ (1;2))))))$
$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,1)$	$\psi(\psi_{a(1;@ (1;0))}(a(1;@ (1;2)) \cdot \omega))$
$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,2)$	$\psi(a(1;@ (1;\omega)))$
$(0,0,0,0,0,0,0)(1,1,1,1,1,1)$	$\psi(a(1;@ (\omega;0)))$
$(0,0,0,0,0,0,0)(1,1,1,1,1,1,1)$	$\psi(a(1;@ (1;@ \omega)))$
$(0,0,0,0,0,0,0,0)(1,1,1,1,1,1,1,1)$	$\psi(a(1;@ (1;@ (\omega;0))))$

## A.19 0–Y vs BMS

本节的结果主要引自<sup>[2]</sup>。

0 – Y 序列	BMS
1	(0)
1,1	(0)(0)
1,1,1	(0)(0)(0)
1,1,1,1	(0)(0)(0)(0)
1,2	(0)(1)
1,2,1	(0)(1)(0)
1,2,1,1	(0)(1)(0)(0)
1,2,1,2	(0)(1)(0)(1)
1,2,1,2,1	(0)(1)(0)(1)(0)
1,2,1,2,1,2	(0)(1)(0)(1)(0)(1)
1,2,2	(0)(1)(1)
1,2,2,1	(0)(1)(1)(0)
1,2,2,1,2	(0)(1)(1)(0)(1)
1,2,2,1,2,2	(0)(1)(1)(0)(1)(1)

0 – Y 序列	BMS
1,2,2,2	(0)(1)(1)(1)
1,2,2,2,2	(0)(1)(1)(1)(1)
1,2,3	(0)(1)(2)
1,2,3,1	(0)(1)(2)(0)
1,2,3,1,2	(0)(1)(2)(0)(1)
1,2,3,1,2,3	(0)(1)(2)(0)(1)(2)
1,2,3,2	(0)(1)(2)(1)
1,2,3,2,2	(0)(1)(2)(1)(1)
1,2,3,2,3	(0)(1)(2)(1)(2)
1,2,3,2,3,2	(0)(1)(2)(1)(2)(1)
1,2,3,2,3,2,3	(0)(1)(2)(1)(2)(1)(2)
1,2,3,3	(0)(1)(2)(2)
1,2,3,3,2	(0)(1)(2)(2)(1)
1,2,3,3,2,3	(0)(1)(2)(2)(1)(2)
1,2,3,3,2,3,3	(0)(1)(2)(2)(1)(2)(2)
1,2,3,3,3	(0)(1)(2)(2)(2)
1,2,3,3,3,3	(0)(1)(2)(2)(2)(2)
1,2,3,4	(0)(1)(2)(3)
1,2,3,4,2	(0)(1)(2)(3)(1)
1,2,3,4,2,3,4	(0)(1)(2)(3)(1)(2)(3)
1,2,3,4,3	(0)(1)(2)(3)(2)
1,2,3,4,3,4	(0)(1)(2)(3)(2)(3)
1,2,3,4,4	(0)(1)(2)(3)(3)
1,2,3,4,5	(0)(1)(2)(3)(4)
1,2,3,4,5,4	(0)(1)(2)(3)(4)(3)
1,2,3,4,5,4,5	(0)(1)(2)(3)(4)(3)(4)

0 – Y 序列	BMS
1,2,3,4,5,5	(0)(1)(2)(3)(4)(4)
1,2,3,4,5,6	(0)(1)(2)(3)(4)(5)
1,2,3,4,5,6,7	(0)(1)(2)(3)(4)(5)(6)
1,3	(0,0)(1,1)
1,3,1	(0,0)(1,1)(0,0)
1,3,1,2	(0,0)(1,1)(0,0)(1,0)
1,3,1,2,3	(0,0)(1,1)(0,0)(1,0)(2,0)
1,3,1,3	(0,0)(1,1)(0,0)(1,1)
1,3,2	(0,0)(1,1)(1,0)
1,3,2,2	(0,0)(1,1)(1,0)(1,0)
1,3,2,3	(0,0)(1,1)(1,0)(2,0)
1,3,2,4	(0,0)(1,1)(1,0)(2,1)
1,3,2,4,3	(0,0)(1,1)(1,0)(2,1)(2,0)
1,3,2,4,3,5	(0,0)(1,1)(1,0)(2,1)(2,0)(3,1)
1,3,2,4,3,5,4,6	(0,0)(1,1)(1,0)(2,1) - - (2,0)(3,1)(3,0)(4,1)
1,3,3	(0,0)(1,1)(1,1)
1,3,3,1,3,3	(0,0)(1,1)(1,1)(0,0)(1,1)(1,1)
1,3,3,2	(0,0)(1,1)(1,1)(1,0)
1,3,3,2,4,4	(0,0)(1,1)(1,1)(1,0)(2,1)(2,1)
1,3,3,2,4,4,3	(0,0)(1,1)(1,1)(1,0)(2,1)(2,1)(2,0)
1,3,3,2,4,4,3,5,5	(0,0)(1,1)(1,1)(1,0)(2,1) - - (2,1)(2,0)(3,1)(3,1)
1,3,3,3	(0,0)(1,1)(1,1)(1,1)
1,3,3,3,3	(0,0)(1,1)(1,1)(1,1)(1,1)
1,3,4	(0,0)(1,1)(2,0)
1,3,4,2	(0,0)(1,1)(2,0)(1,0)
1,3,4,2,4,5	(0,0)(1,1)(2,0)(1,0)(2,1)(3,0)

0 - Y 序列	BMS
1,3,4,2,4,5,3	$(0,0)(1,1)(2,0)(1,0)(2,1)(3,0)(2,0)$
1,3,4,2,4,5,3,5,6	$(0,0)(1,1)(2,0)(1,0)(2,1) -$ $- (3,0)(2,0)(3,1)(4,0)$
1,3,4,3	$(0,0)(1,1)(2,0)(1,1)$
1,3,4,3,3	$(0,0)(1,1)(2,0)(1,1)(1,1)$
1,3,4,3,4	$(0,0)(1,1)(2,0)(1,1)(2,0)$
1,3,4,3,4,3,4	$(0,0)(1,1)(2,0)(1,1)(2,0)(1,1)(2,0)$
1,3,4,4	$(0,0)(1,1)(2,0)(2,0)$
1,3,4,4,3,4	$(0,0)(1,1)(2,0)(2,0)(1,1)(2,0)$
1,3,4,4,3,4,4	$(0,0)(1,1)(2,0)(2,0)(1,1)(2,0)(2,0)$
1,3,4,4,4	$(0,0)(1,1)(2,0)(2,0)(2,0)$
1,3,4,4,4,4	$(0,0)(1,1)(2,0)(2,0)(2,0)(2,0)$
1,3,4,5	$(0,0)(1,1)(2,0)(3,0)$
1,3,4,5,6	$(0,0)(1,1)(2,0)(3,0)(4,0)$
1,3,4,6	$(0,0)(1,1)(2,0)(3,1)$
1,3,4,6,6	$(0,0)(1,1)(2,0)(3,1)(3,1)$
1,3,4,6,7	$(0,0)(1,1)(2,0)(3,1)(4,0)$
1,3,4,6,7,9	$(0,0)(1,1)(2,0)(3,1)(4,0)(5,1)$
1,3,5	$(0,0)(1,1)(2,1)$
1,3,5,2	$(0,0)(1,1)(2,1)(1,0)$
1,3,5,2,4,6	$(0,0)(1,1)(2,1)(1,0)(2,1)(3,1)$
1,3,5,2,4,6,3	$(0,0)(1,1)(2,1)(1,0)(2,1)(3,1)(2,0)$
1,3,5,2,4,6,3,5,7	$(0,0)(1,1)(2,1)(1,0) -$ $- (2,1)(3,1)(2,0)(3,1)(4,1)$
1,3,5,3	$(0,0)(1,1)(2,1)(1,1)$
1,3,5,3,4	$(0,0)(1,1)(2,1)(1,1)(2,0)$
1,3,5,3,4,3	$(0,0)(1,1)(2,1)(1,1)(2,0)(1,1)$
1,3,5,3,4,3,4	$(0,0)(1,1)(2,1)(1,1)(2,0)(1,1)(2,0)$

0 – Y 序列	BMS
1,3,5,3,4,4	(0,0)(1,1)(2,1)(1,1)(2,0)(2,0)
1,3,5,3,4,5	(0,0)(1,1)(2,1)(1,1)(2,0)(3,0)
1,3,5,3,4,6	(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)
1,3,5,3,4,6,7	(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)(4,0)
1,3,5,3,4,6,7,9	(0,0)(1,1)(2,1)(1,1) - - (2,0)(3,1)(4,0)(5,1)
1,3,5,3,4,6,8	(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)(4,1)
1,3,5,3,4,6,8,6	(0,0)(1,1)(2,1)(1,1) - - (2,0)(3,1)(4,1)(3,1)
1,3,5,3,5	(0,0)(1,1)(2,1)(1,1)(2,1)
1,3,5,3,5,3,5	(0,0)(1,1)(2,1)(1,1)(2,1)(1,1)(2,1)
1,3,5,4	(0,0)(1,1)(2,1)(2,0)
1,3,5,4,4	(0,0)(1,1)(2,1)(2,0)(2,0)
1,3,5,4,5	(0,0)(1,1)(2,1)(2,0)(3,0)
1,3,5,4,6	(0,0)(1,1)(2,1)(2,0)(3,1)
1,3,5,4,6,8	(0,0)(1,1)(2,1)(2,0)(3,1)(4,1)
1,3,5,4,6,8,7,9,11	(0,0)(1,1)(2,1)(2,0) - - (3,1)(4,1)(4,0)(5,1)(6,1)
1,3,5,5	(0,0)(1,1)(2,1)(2,1)
1,3,5,5,3	(0,0)(1,1)(2,1)(2,1)(1,1)
1,3,5,5,3,4,6,8,8	(0,0)(1,1)(2,1)(2,1)(1,1) - - (2,0)(3,1)(4,1)(4,1)
1,3,5,5,3,4,6,8,8,6	(0,0)(1,1)(2,1)(2,1)(1,1) - - (2,0)(3,1)(4,1)(4,1)(3,1)
1,3,5,5,3,5	(0,0)(1,1)(2,1)(2,1)(1,1)(2,1)
1,3,5,5,3,5,4,6,8,8	(0,0)(1,1)(2,1)(2,1)(1,1) - - (2,1)(2,0)(3,1)(4,1)(4,1)
1,3,5,5,3,5, 4,6,8,8,6,8	(0,0)(1,1)(2,1)(2,1)(1,1)(2,1) - - (2,0)(3,1)(4,1)(4,1)(3,1)(4,1)
1,3,5,5,3,5,5	(0,0)(1,1)(2,1)(2,1)(1,1)(2,1)(2,1)
1,3,5,5,4	(0,0)(1,1)(2,1)(2,1)(2,0)

0 – Y 序列	BMS
1,3,5,5,4,6	(0,0)(1,1)(2,1)(2,1)(2,0)(3,1)
1,3,5,5,4,6,7	(0,0)(1,1)(2,1)(2,1)(2,0)(3,1)(4,0)
1,3,5,5,4,6,8	(0,0)(1,1)(2,1)(2,1)(2,0)(3,1)(4,1)
1,3,5,5,4,6,8,8	(0,0)(1,1)(2,1)(2,1) - - (2,0)(3,1)(4,1)(4,1)
1,3,5,5,5	(0,0)(1,1)(2,1)(2,1)(2,1)
1,3,5,5,5,3,5,5,5	(0,0)(1,1)(2,1)(2,1)(2,1) - - (1,1)(2,1)(2,1)(2,1)
1,3,5,5,5,4	(0,0)(1,1)(2,1)(2,1)(2,1)(2,0)
1,3,5,5,5,5	(0,0)(1,1)(2,1)(2,1)(2,1)(2,1)
1,3,5,6	(0,0)(1,1)(2,1)(3,0)
1,3,5,6,2	(0,0)(1,1)(2,1)(3,0)(1,0)
1,3,5,6,2,4,6,7,3	(0,0)(1,1)(2,1)(3,0)(1,0) - - (2,1)(3,1)(4,0)(2,0)
1,3,5,6,3	(0,0)(1,1)(2,1)(3,0)(1,1)
1,3,5,6,3,5,6	(0,0)(1,1)(2,1)(3,0)(1,1)(2,1)(3,0)
1,3,5,6,4	(0,0)(1,1)(2,1)(3,0)(2,0)
1,3,5,6,4,6,8,9	(0,0)(1,1)(2,1)(3,0) - - (2,0)(3,1)(4,1)(5,0)
1,3,5,6,5	(0,0)(1,1)(2,1)(3,0)(2,1)
1,3,5,6,5,3,5,6	(0,0)(1,1)(2,1)(3,0) - - (2,1)(1,1)(2,1)(3,0)
1,3,5,6,5,3,5,6,5	(0,0)(1,1)(2,1)(3,0)(2,1) - - (1,1)(2,1)(3,0)(2,1)
1,3,5,6,5,5	(0,0)(1,1)(2,1)(3,0)(2,1)(2,1)
1,3,5,6,5,6	(0,0)(1,1)(2,1)(3,0)(2,1)(3,0)
1,3,5,6,6	(0,0)(1,1)(2,1)(3,0)(3,0)
1,3,5,6,7	(0,0)(1,1)(2,1)(3,0)(4,0)
1,3,5,6,7,4	(0,0)(1,1)(2,1)(3,0)(4,0)(2,0)
1,3,5,6,8	(0,0)(1,1)(2,1)(3,0)(4,1)

0 – Y 序列	BMS
1,3,5,6,8,5	(0,0)(1,1)(2,1)(3,0)(4,1)(2,1)
1,3,5,6,8,5,2,4	(0,0)(1,1)(2,1)(3,0) - - (4,1)(2,1)(1,0)(2,1)
1,3,5,6,8,5,3,5,6,8	(0,0)(1,1)(2,1)(3,0)(4,1) - - (2,1)(1,1)(2,1)(3,0)(4,1)
1,3,5,6,8,6,3,5,6,8	(0,0)(1,1)(2,1)(3,0)(4,1) - - (3,0)(1,1)(2,1)(3,0)(4,1)
1,3,5,6,8,8	(0,0)(1,1)(2,1)(3,0)(4,1)(4,1)
1,3,5,6,8,8,8	(0,0)(1,1)(2,1)(3,0)(4,1)(4,1)(4,1)
1,3,5,6,8,9	(0,0)(1,1)(2,1)(3,0)(4,1)(5,0)
1,3,5,6,8,9,3,5,6,8	(0,0)(1,1)(2,1)(3,0)(4,1) - - (5,0)(1,1)(2,1)(3,0)(4,1)
1,3,5,6,8,10	(0,0)(1,1)(2,1)(3,0)(4,1)(5,1)
1,3,5,6,8,10,8,9,11,13	(0,0)(1,1)(2,1)(3,0)(4,1) - - (5,1)(4,1)(5,0)(6,1)(7,1)
1,3,5,6,8,10,10	(0,0)(1,1)(2,1)(3,0)(4,1)(5,1)(5,1)
1,3,5,6,8,10,11	(0,0)(1,1)(2,1)(3,0)(4,1)(5,1)(6,0)
1,3,5,6,8,10,11,11	(0,0)(1,1)(2,1)(3,0) - - (4,1)(5,1)(6,0)(6,0)
1,3,5,6,8,10,11,13	(0,0)(1,1)(2,1)(3,0) - - (4,1)(5,1)(6,0)(7,1)
1,3,5,6,8,10,11,13,15	(0,0)(1,1)(2,1)(3,0)(4,1) - - (5,1)(6,0)(7,1)(8,1)
1,3,5,7	(0,0)(1,1)(2,1)(3,1)
1,3,5,7,2	(0,0)(1,1)(2,1)(3,1)(1,0)
1,3,5,7,2,2	(0,0)(1,1)(2,1)(3,1)(1,0)(1,0)
1,3,5,7,2,3	(0,0)(1,1)(2,1)(3,1)(1,0)(2,0)
1,3,5,7,2,4	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)
1,3,5,7,2,4,5	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)(3,0)
1,3,5,7,2,4,5,7	(0,0)(1,1)(2,1)(3,1) - - (1,0)(2,1)(3,0)(4,1)
1,3,5,7,2,4,6	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)(3,1)



0 – Y 序列	BMS
1,3,5,7,2,4,6,7	(0,0)(1,1)(2,1)(3,1) - - (1,0)(2,1)(3,1)(4,0)
1,3,5,7,2,4,6,7,9	(0,0)(1,1)(2,1)(3,1)(1,0) - - (2,1)(3,1)(4,0)(5,1)
1,3,5,7,2,4,6,7,9,11	(0,0)(1,1)(2,1)(3,1)(1,0) - - (2,1)(3,1)(4,0)(5,1)(6,1)
1,3,5,7,2,4,6,8	(0,0)(1,1)(2,1)(3,1) - - (1,0)(2,1)(3,1)(4,1)
1,3,5,7,2,4,6,8,2	(0,0)(1,1)(2,1)(3,1)(1,0) - - (2,1)(3,1)(4,1)(1,0)
1,3,5,7,2,4, 6,8,2,4,6,8	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1) - - (3,1)(4,1)(1,0)(2,1)(3,1)(4,1)
1,3,5,7,2,4,6,8,3	(0,0)(1,1)(2,1)(3,1)(1,0) - - (2,1)(3,1)(4,1)(2,0)
1,3,5,7,2,4, 6,8,3,5,7,9	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1) - - (3,1)(4,1)(2,0)(3,1)(4,1)(5,1)
1,3,5,7,3	(0,0)(1,1)(2,1)(3,1)(1,1)
1,3,5,7,3,2	(0,0)(1,1)(2,1)(3,1)(1,1)(1,0)
1,3,5,7,3,2,4	(0,0)(1,1)(2,1)(3,1)(1,1)(1,0)(2,1)
1,3,5,7,3,2,4,6	(0,0)(1,1)(2,1)(3,1) - - (1,1)(1,0)(2,1)(3,1)
1,3,5,7,3,2,4,6,8	(0,0)(1,1)(2,1)(3,1)(1,1) - - (1,0)(2,1)(3,1)(4,1)
1,3,5,7,3,2,4,6,8,3	(0,0)(1,1)(2,1)(3,1)(1,1) - - (1,0)(2,1)(3,1)(4,1) - - (2,0)(3,1)(4,1)(5,1)
1,3,5,7,3,2,4,6,8,4	(0,0)(1,1)(2,1)(3,1)(1,1) - - (1,0)(2,1)(3,1)(4,1)(2,1)
1,3,5,7,3,3	(0,0)(1,1)(2,1)(3,1)(1,1)(1,1)
1,3,5,7,3,4	(0,0)(1,1)(2,1)(3,1)(1,1)(2,0)
1,3,5,7,3,4,6,8,10	(0,0)(1,1)(2,1)(3,1) - - (1,1)(2,0)(3,1)(4,1)(5,1)
1,3,5,7,3,4,6,8,10,6	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,0)(3,1)(4,1)(5,1)(3,1)
1,3,5,7,3,5	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)
1,3,5,7,3,5,6	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0)

0 – Y 序列	BMS
1,3,5,7,3,5,8	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0)(4,1)
1,3,5,7,3,5,6,8,10	(0,0)(1,1)(2,1)(3,1) - - (1,1)(2,1)(3,0)(4,1)(5,1)
1,3,5,7,3,5,6,8,10,12	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)
1,3,5,7,3,5, 6,8,10,12,4	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)(2,0)
1,3,5,7,3,5,6,8,10, 12,4,3,5,6,8,10,12	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(2,0)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)
1,3,5,7,3,5, 6,8,10,12,4,4	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(2,0)(2,0)
1,3,5,7,3,5, 6,8,10,12,4,5	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(2,0)(3,0)
1,3,5,7,3,5, 6,8,10,12,4,6	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(2,0)(3,1)
1,3,5,7,3,5,6, 8,10,12,4,6,8,10	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0) - - (4,1)(5,1)(6,1)(2,0)(3,1)(4,1)(5,1)
1,3,5,7,3,5, 6,8,10,12,5	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)(2,1)
1,3,5,7,3,5,6,8, 10,12,5,6,8,10,12	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)
1,3,5,7,3,5, 6,8,10,12,6	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(3,0)
1,3,5,7,3,5,6,8, 10,12,6,8,10,12	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0) - - (4,1)(5,1)(6,1)(3,0)(4,1)(5,1)(6,1)
1,3,5,7,3,5, 6,8,10,12,8	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)(4,1)
1,3,5,7,3,5,6,8,10, 12,8,10,11,13,15,17	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)(4,1) - - (5,1)(6,0)(7,1)(8,1)(9,1)
1,3,5,7,3,5,7	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,1)
1,3,5,7,4	(0,0)(1,1)(2,1)(3,1)(2,0)
1,3,5,7,4,6,8,10	(0,0)(1,1)(2,1)(3,1)(2,0)(3,1)(4,1)(5,1)
1,3,5,7,5	(0,0)(1,1)(2,1)(3,1)(2,1)
1,3,5,7,5,6	(0,0)(1,1)(2,1)(3,1)(2,1)(3,0)

0 – Y 序列	BMS
1,3,5,7,5,6,8	(0,0)(1,1)(2,1)(3,1)(2,1)(3,0)(4,1)
1,3,5,7,5,6,8,10,12	(0,0)(1,1)(2,1)(3,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)
1,3,5,7,5,7	(0,0)(1,1)(2,1)(3,1)(2,1)(3,1)
1,3,5,7,5,7,5,7	(0,0)(1,1)(2,1)(3,1) - - (2,1)(3,1)(2,1)(3,1)
1,3,5,7,6	(0,0)(1,1)(2,1)(3,1)(3,0)
1,3,5,7,6,4	(0,0)(1,1)(2,1)(3,1)(3,0)(2,0)
1,3,5,7,6,5	(0,0)(1,1)(2,1)(3,1)(3,0)(2,1)
1,3,5,7,6,5,6	(0,0)(1,1)(2,1)(3,1)(3,0)(2,1)(3,0)
1,3,5,7,6,4	(0,0)(1,1)(2,1)(3,1)(3,0)(2,1)(3,1)
1,3,5,7,6,5,7	(0,0)(1,1)(2,1)(3,1) - - (3,0)(2,1)(3,1)(3,0)
1,3,5,7,6,4	(0,0)(1,1)(2,1)(3,1)(3,0)(3,0)
1,3,5,7,6,6	(0,0)(1,1)(2,1)(3,1)(3,0)(4,0)
1,3,5,7,6,8	(0,0)(1,1)(2,1)(3,1)(3,0)(4,1)
1,3,5,7,6,8,10,12	(0,0)(1,1)(2,1)(3,1) - - (3,0)(4,1)(5,1)(6,1)
1,3,5,7,7	(0,0)(1,1)(2,1)(3,1)(3,1)
1,3,5,7,7,5	(0,0)(1,1)(2,1)(3,1)(3,1)(2,1)
1,3,5,7,7,5,7	(0,0)(1,1)(2,1)(3,1)(3,1)(2,1)(3,1)
1,3,5,7,7,5,7,6	(0,0)(1,1)(2,1)(3,1) - - (3,1)(2,1)(3,1)(3,0)
1,3,5,7,7,5,7,7	(0,0)(1,1)(2,1)(3,1) - - (3,1)(2,1)(3,1)(3,1)
1,3,5,7,7,6	(0,0)(1,1)(2,1)(3,1)(3,1)(3,0)
1,3,5,7,7,7	(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)
1,3,5,7,7,7,5,7,7,7	(0,0)(1,1)(2,1)(3,1)(3,1) - - (3,1)(2,1)(3,1)(3,1)(3,1)
1,3,5,7,7,7,6	(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)(3,0)
1,3,5,7,7,7,7	(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)(3,1)

0 – Y 序列	BMS
1,3,5,7,8	(0,0)(1,1)(2,1)(3,1)(4,0)
1,3,5,7,8,7	(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)
1,3,5,7,8,7,8	(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)(4,0)
1,3,5,7,8,8	(0,0)(1,1)(2,1)(3,1)(4,0)(4,0)
1,3,5,7,8,10	(0,0)(1,1)(2,1)(3,1)(4,0)(5,1)
1,3,5,7,8,10,12,14	(0,0)(1,1)(2,1)(3,1) - - (4,0)(5,1)(6,1)(7,1)
1,3,5,7,8,10,12,14,15	(0,0)(1,1)(2,1)(3,1)(4,0) - - (5,1)(6,1)(7,1)(8,0)
1,3,5,7,8,10,12,14,15,17	(0,0)(1,1)(2,1)(3,1)(4,0) - - (5,1)(6,1)(7,1)(8,0)(9,1)
1,3,5,7,9	(0,0)(1,1)(2,1)(3,1)(4,1)
1,3,5,7,9,5	(0,0)(1,1)(2,1)(3,1)(4,1)(2,1)
1,3,5,7,9,7	(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)
1,3,5,7,9,7,9	(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)(4,1)
1,3,5,7,9,8	(0,0)(1,1)(2,1)(3,1)(4,1)(4,0)
1,3,5,7,9,9	(0,0)(1,1)(2,1)(3,1)(4,1)(4,1)
1,3,5,7,9,9,9	(0,0)(1,1)(2,1)(3,1)(4,1)(4,1)(4,1)
1,3,5,7,9,10	(0,0)(1,1)(2,1)(3,1)(4,1)(5,0)
1,3,5,7,9,11	(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)
1,3,5,7,9,11,13	(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)(6,1)
1,3,6	(0,0)(1,1)(2,2)
1,3,6,2	(0,0)(1,1)(2,2)(1,0)
1,3,6,2,4,7	(0,0)(1,1)(2,2)(1,0)(2,1)(3,2)
1,3,6,3	(0,0)(1,1)(2,2)(1,1)
1,3,6,3,5	(0,0)(1,1)(2,2)(1,1)(2,1)
1,3,6,3,5,7	(0,0)(1,1)(2,2)(1,1)(2,1)(3,1)
1,3,6,3,6	(0,0)(1,1)(2,2)(1,1)(2,2)

0 – Y 序列	BMS
1,3,6,3,6,3,6	(0,0)(1,1)(2,2)(1,1)(2,2)(1,1)(2,2)
1,3,6,4	(0,0)(1,1)(2,2)(2,0)
1,3,6,4,4	(0,0)(1,1)(2,2)(2,0)(2,0)
1,3,6,4,5	(0,0)(1,1)(2,2)(2,0)(3,0)
1,3,6,4,6	(0,0)(1,1)(2,2)(2,0)(3,1)
1,3,6,4,6,9	(0,0)(1,1)(2,2)(2,0)(3,1)(4,2)
1,3,6,5	(0,0)(1,1)(2,2)(2,1)
1,3,6,5,6	(0,0)(1,1)(2,2)(2,1)(3,0)
1,3,6,5,7	(0,0)(1,1)(2,2)(2,1)(3,1)
1,3,6,5,8	(0,0)(1,1)(2,2)(2,1)(3,2)
1,3,6,5,8,7	(0,0)(1,1)(2,2)(2,1)(3,2)(3,1)
1,3,6,5,8,7,10	(0,0)(1,1)(2,2)(2,1)(3,2)(3,1)(4,2)
1,3,6,6	(0,0)(1,1)(2,2)(2,2)
1,3,6,6,3,6,6	(0,0)(1,1)(2,2)(2,2)(1,1)(2,2)(2,2)
1,3,6,6,4	(0,0)(1,1)(2,2)(2,2)(2,0)
1,3,6,6,5	(0,0)(1,1)(2,2)(2,2)(2,1)
1,3,6,6,5,8,8	(0,0)(1,1)(2,2)(2,2)(2,1)(3,2)(3,2)
1,3,6,6,6	(0,0)(1,1)(2,2)(2,2)(2,2)
1,3,6,7	(0,0)(1,1)(2,2)(3,0)
1,3,6,7,9	(0,0)(1,1)(2,2)(3,0)(4,1)
1,3,6,7,9,12	(0,0)(1,1)(2,2)(3,0)(4,1)(5,2)
1,3,6,8	(0,0)(1,1)(2,2)(3,1)
1,3,6,8,6,8	(0,0)(1,1)(2,2)(3,1)(2,2)(3,1)
1,3,6,8,7	(0,0)(1,1)(2,2)(3,1)(3,0)
1,3,6,8,8	(0,0)(1,1)(2,2)(3,1)(3,1)
1,3,6,8,11	(0,0)(1,1)(2,2)(3,1)(4,2)

0 – Y 序列	BMS
1,3,6,9	(0,0)(1,1)(2,2)(3,2)
1,3,6,9,9	(0,0)(1,1)(2,2)(3,2)(3,2)
1,3,6,9,10	(0,0)(1,1)(2,2)(3,2)(4,0)
1,3,6,9,11	(0,0)(1,1)(2,2)(3,2)(4,1)
1,3,6,9,11,6,9,11	(0,0)(1,1)(2,2)(3,2) - - (4,1)(2,2)(3,2)(4,1)
1,3,6,9,11,7	(0,0)(1,1)(2,2)(3,2)(4,1)(3,0)
1,3,6,9,11,7,9	(0,0)(1,1)(2,2)(3,2)(4,1)(3,0)(4,1)
1,3,6,9,11,8	(0,0)(1,1)(2,2)(3,2)(4,1)(3,1)
1,3,6,9,11,8,11,14,16,13	(0,0)(1,1)(2,2)(3,2)(4,1) - - (3,1)(4,2)(5,2)(6,1)(5,1)
1,3,6,9,11,9	(0,0)(1,1)(2,2)(3,2)(4,1)(3,2)
1,3,6,9,11,9,11	(0,0)(1,1)(2,2)(3,2)(4,1)(3,2)(4,1)
1,3,6,9,11,10	(0,0)(1,1)(2,2)(3,2)(4,1)(4,0)
1,3,6,9,11,11	(0,0)(1,1)(2,2)(3,2)(4,1)(4,1)
1,3,6,9,11,12	(0,0)(1,1)(2,2)(3,2)(4,1)(5,0)
1,3,6,9,11,13	(0,0)(1,1)(2,2)(3,2)(4,1)(5,1)
1,3,6,9,11,14	(0,0)(1,1)(2,2)(3,2)(4,1)(5,2)
1,3,6,9,11,14,17	(0,0)(1,1)(2,2)(3,2)(4,1)(5,2)(6,2)
1,3,6,9,11,14,17,19	(0,0)(1,1)(2,2)(3,2) - - (4,1)(5,2)(6,2)(7,1)
1,3,6,9,12	(0,0)(1,1)(2,2)(3,2)(4,2)
1,3,6,9,12,1,3,6,9,12	(0,0)(1,1)(2,2)(3,2)(4,2) - - (0,0)(1,1)(2,2)(3,2)(4,2)
1,3,6,9,12,3,6,9,12	(0,0)(1,1)(2,2)(3,2)(4,2) - - (1,1)(2,2)(3,2)(4,2)
1,3,6,9,12,5,8,11,14	(0,0)(1,1)(2,2)(3,2)(4,2) - - (2,1)(3,2)(4,2)(5,2)
1,3,6,9,12,6,9,12	(0,0)(1,1)(2,2)(3,2) - - (4,2)(2,2)(3,2)(4,2)
1,3,6,9,12,9	(0,0)(1,1)(2,2)(3,2)(4,2)(3,2)

0 – Y 序列	BMS
1,3,6,9,12,15	(0,0)(1,1)(2,2)(3,2)(4,2)(5,2)
1,3,6,10	(0,0)(1,1)(2,2)(3,3)
1,3,6,10,3,6,10	(0,0)(1,1)(2,2)(3,3)(1,1)(2,2)(3,3)
1,3,6,10,5,8,12	(0,0)(1,1)(2,2)(3,3)(2,1)(3,2)(4,3)
1,3,6,10,6	(0,0)(1,1)(2,2)(3,3)(2,2)
1,3,6,10,6,9,12	(0,0)(1,1)(2,2)(3,3)(2,2)(3,2)(4,2)
1,3,6,10,6,10	(0,0)(1,1)(2,2)(3,3)(2,2)(3,3)
1,3,6,10,9,13	(0,0)(1,1)(2,2)(3,3)(3,2)(4,3)
1,3,6,10,10	(0,0)(1,1)(2,2)(3,3)(3,3)
1,3,6,10,11	(0,0)(1,1)(2,2)(3,3)(4,0)
1,3,6,10,14	(0,0)(1,1)(2,2)(3,3)(4,3)
1,3,6,10,14,18	(0,0)(1,1)(2,2)(3,3)(4,3)(5,3)
1,3,6,10,15	(0,0)(1,1)(2,2)(3,3)(4,4)
1,3,6,10,15,20,25	(0,0)(1,1)(2,2)(3,3)(4,4)(5,4)(6,4)
1,3,6,10,15,21	(0,0)(1,1)(2,2)(3,3)(4,4)(5,5)
1,4	(0,0,0)(1,1,1)
1,4,1	(0,0,0)(1,1,1)(0,0,0)
1,4,2	(0,0,0)(1,1,1)(1,0,0)
1,4,2,5	(0,0,0)(1,1,1)(1,0,0)(2,1,1)
1,4,2,5,3	(0,0,0)(1,1,1)(1,0,0)(2,1,1)(2,0,0)
1,4,3	(0,0,0)(1,1,1)(1,1,0)
1,4,3,5,7	(0,0,0)(1,1,1)(1,1,0)(2,1,0)(3,1,0)
1,4,3,6	(0,0,0)(1,1,1)(1,1,0)(2,2,0)
1,4,3,6,10	(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,3,0)
1,4,3,7	(0,0,0)(1,1,1)(1,1,0)(2,2,1)
1,4,3,7,4	(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,0,0)

0 – Y 序列	BMS
1,4,3,7,4,3,7,4	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,0,0)(1,1,0)(2,2,1)(2,0,0)
1,4,3,7,4,4	(0,0,0)(1,1,1)(1,1,0) - - (2,2,1)(2,0,0)(2,0,0)
1,4,3,7,4,4,3,7,4	(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,0,0) - - (2,0,0)(1,1,0)(2,2,1)(2,0,0)
1,4,3,7,5	(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,1,0)
1,4,3,7,5,8	(0,0,0)(1,1,1)(1,1,0) - - (2,2,1)(2,1,0)(3,2,0)
1,4,3,7,5,9	(0,0,0)(1,1,1)(1,1,0) - - (2,2,1)(2,1,0)(3,2,1)
1,4,3,7,5,9,6	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,1,0)(3,2,1)(3,0,0)
1,4,3,7,5,9,7	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,1,0)(3,2,1)(3,1,0)
1,4,3,7,5,9,7,11	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,1,0)(3,2,1)(3,1,0)(4,2,1)
1,4,3,7,6	(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,2,0)
1,4,3,7,6,11	(0,0,0)(1,1,1)(1,1,0) - - (2,2,1)(2,2,0)(3,3,1)
1,4,3,7,6,11,7	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,2,0)(3,3,1)(3,0,0)
1,4,3,7,6,11,10	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,2,0)(3,3,1)(3,3,0)
1,4,4	(0,0,0)(1,1,1)(1,1,1)
1,4,4,3	(0,0,0)(1,1,1)(1,1,1)(1,1,0)
1,4,4,3,7,7,6	(0,0,0)(1,1,1)(1,1,1)(1,1,0) - - (2,2,1)(2,2,1)(2,2,0)
1,4,4,4	(0,0,0)(1,1,1)(1,1,1)(1,1,1)
1,4,5	(0,0,0)(1,1,1)(2,0,0)
1,4,5,3,7,8	(0,0,0)(1,1,1)(2,0,0) - - (1,1,0)(2,2,1)(3,0,0)
1,4,5,4	(0,0,0)(1,1,1)(2,0,0)(1,1,1)
1,4,5,4,5	(0,0,0)(1,1,1)(2,0,0)(1,1,1)(2,0,0)
1,4,5,5	(0,0,0)(1,1,1)(2,0,0)(2,0,0)



0 – Y 序列	BMS
1,4,5,7	(0,0,0)(1,1,1)(2,0,0)(3,1,0)
1,4,5,7,10	(0,0,0)(1,1,1)(2,0,0)(3,1,0)(4,2,0)
1,4,5,8	(0,0,0)(1,1,1)(2,0,0)(3,1,1)
1,4,6	(0,0,0)(1,1,1)(2,1,0)
1,4,6,3,7,9	(0,0,0)(1,1,1)(2,1,0) - - (1,1,0)(2,2,1)(3,1,0)
1,4,6,3,7,9,6	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(2,2,0)
1,4,6,3,7,9,6,11,13	(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1) - - (3,1,0)(2,2,0)(3,3,1)(4,1,0)
1,4,6,3,7,9,7	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(2,2,1)
1,4,6,3,7,9,9	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(3,1,0)
1,4,6,3,7,9,11	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(4,1,0)
1,4,6,3,7,9,12	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(4,2,0)
1,4,6,3,7,9,13	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(4,2,1)
1,4,6,3,7,10	(0,0,0)(1,1,1)(2,1,0) - - (1,1,0)(2,2,1)(3,2,0)
1,4,6,3,7,10,6,11,15	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,2,0)(2,2,0)(3,3,1)(4,3,0)
1,4,6,4	(0,0,0)(1,1,1)(2,1,0)(1,1,1)
1,4,6,4,3	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)
1,4,6,4,3,7	(0,0,0)(1,1,1)(2,1,0) - - (1,1,1)(1,1,0)(2,2,1)
1,4,6,4,3,7,7	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(2,2,1)
1,4,6,4,3,7,9	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,1,0)
1,4,6,4,3,7,9,7	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,1,0)(2,2,1)
1,4,6,4,3,7,10	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,2,0)

0 – Y 序列	BMS
1,4,6,4,3,7, 10,6,11,14,11	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,2,0)(2,2,0) - - (3,3,1)(4,2,0)(3,3,1)
1,4,6,4,3,7,10,7	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,2,0)(2,2,1)
1,4,6,4,3,7,10,7,6	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0) - - (2,2,1)(3,2,0)(2,2,1)(2,2,0)
1,4,6,4,4	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,1)
1,4,6,4,6	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0)
1,4,6,4,6,3,7,10,7,10	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0) - - (1,1,0)(2,2,1)(3,2,0)(2,2,1)(3,2,0)
1,4,6,4,6,4	(0,0,0)(1,1,1)(2,1,0) - - (1,1,1)(2,1,0)(1,1,1)
1,4,6,5	(0,0,0)(1,1,1)(2,1,0)(2,0,0)
1,4,6,5,4	(0,0,0)(1,1,1)(2,1,0)(2,0,0)(1,1,1)
1,4,6,6	(0,0,0)(1,1,1)(2,1,0)(2,1,0)
1,4,6,6,3,7,10,10	(0,0,0)(1,1,1)(2,1,0)(2,1,0) - - (1,1,0)(2,2,1)(3,2,0)(3,2,0)
1,4,6,6,4	(0,0,0)(1,1,1)(2,1,0)(2,1,0)(1,1,1)
1,4,6,6,4,6,4	(0,0,0)(1,1,1)(2,1,0)(2,1,0) - - (1,1,1)(2,1,0)(1,1,1)
1,4,6,6,4,6,5	(0,0,0)(1,1,1)(2,1,0)(2,1,0) - - (1,1,1)(2,1,0)(2,0,0)
1,4,6,6,4,6,6,4	(0,0,0)(1,1,1)(2,1,0)(2,1,0) - - (1,1,1)(2,1,0)(2,1,0)(1,1,1)
1,4,6,6,5	(0,0,0)(1,1,1)(2,1,0)(2,1,0)(2,0,0)
1,4,6,6,6,4	(0,0,0)(1,1,1)(2,1,0) - - (2,1,0)(2,1,0)(1,1,1)
1,4,6,7	(0,0,0)(1,1,1)(2,1,0)(3,0,0)
1,4,6,8	(0,0,0)(1,1,1)(2,1,0)(3,1,0)
1,4,6,8,3,7,10,13	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (1,1,0)(2,2,1)(3,2,0)(4,2,0)
1,4,6,8,4	(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,1)
1,4,6,8,5	(0,0,0)(1,1,1)(2,1,0)(3,1,0)(2,0,0)

0 – Y 序列	BMS
1,4,6,8,6,4	(0,0,0)(1,1,1)(2,1,0) - - (3,1,0)(2,1,0)(1,1,1)
1,4,6,8,6,8,4	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (2,1,0)(3,1,0)(1,1,1)
1,4,6,8,7	(0,0,0)(1,1,1)(2,1,0)(3,1,0)(3,0,0)
1,4,6,8,8,4	(0,0,0)(1,1,1)(2,1,0) - - (3,1,0)(3,1,0)(1,1,1)
1,4,6,8,8,8,4	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (3,1,0)(3,1,0)(1,1,1)
1,4,6,8,9	(0,0,0)(1,1,1)(2,1,0)(3,1,0)(4,0,0)
1,4,6,8,10,4	(0,0,0)(1,1,1)(2,1,0) - - (3,1,0)(4,1,0)(1,1,1)
1,4,6,8,10,8,4	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(3,1,0)(1,1,1)
1,4,6,8,10,8,10,4	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(3,1,0)(4,1,0)(1,1,1)
1,4,6,8,10,8,10,7	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(3,1,0)(4,1,0)(3,0,0)
1,4,6,8,10,10,4	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(4,1,0)(1,1,1)
1,4,6,8,10,11	(0,0,0)(1,1,1)(2,1,0) - - (3,1,0)(4,1,0)(5,0,0)
1,4,6,8,10,12,4	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(5,1,0)(1,1,1)
1,4,6,9	(0,0,0)(1,1,1)(2,1,0)(3,2,0)
1,4,6,9,3,7	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(1,1,0)(2,2,1)
1,4,6,9,3,7,8,10	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,0,0)(4,1,0)
1,4,6,9,3,7,8, 10,5,9,10,12	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,0,0)(4,1,0) - - (2,1,0)(3,2,1)(4,0,0)(5,1,0)
1,4,6,9,3,7,8,10,6	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,0) - - (2,2,1)(3,0,0)(4,1,0)(2,2,0)
1,4,6,9,3,7,8,10,7	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,0) - - (2,2,1)(3,0,0)(4,1,0)(2,2,1)
1,4,6,9,3,7,8,11	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,0,0)(4,1,1)

0 – Y 序列	BMS
1,4,6,9,3,7,9	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,1,0)
1,4,6,9,3,7,10,7	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,2,0)(2,2,1)
1,4,6,9,3,7,10,14	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,2,0)(4,3,0)
1,4,6,9,3,7,10, 14,6,11,15,20	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,2,0)(4,3,0) - - (2,2,0)(3,3,1)(4,3,0)(5,4,0)
1,4,6,9,4	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,1)
1,4,6,9,4,6,9	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,1)(2,1,0)(3,2,0)
1,4,6,9,6,9	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(2,1,0)(3,2,0)
1,4,6,9,8,11	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(3,1,0)(4,2,0)
1,4,6,9,9	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(3,2,0)
1,4,6,9,10	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,0,0)
1,4,6,9,11,4	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,1,0)(1,1,1)
1,4,6,9,12	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,2,0)
1,4,6,9,12,13	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,2,0)(5,0,0)
1,4,6,9,12,14,4	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (4,2,0)(5,1,0)(1,1,1)
1,4,6,9,12,15	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,2,0)(5,2,0)
1,4,6,9,13	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,3,0)
1,4,6,9,13,13	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,3,0)(4,3,0)
1,4,6,9,13,14	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,3,0)(5,0,0)
1,4,6,9,13,17	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,3,0)(5,3,0)
1,4,6,9,13,17,21	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (4,3,0)(5,3,0)(6,3,0)
1,4,6,9,13,18	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,3,0)(5,4,0)

0 – Y 序列	BMS
1,4,6,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1)
1,4,6,10,3,7	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(1,1,0)(2,2,1)
1,4,6,10,3,7,10,7	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(2,2,1)
1,4,6,10,3,7,10,10,7	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(3,2,0)(2,2,1)
1,4,6,10,3,7,10,14	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,0)
1,4,6,10,3,7,10,14,19	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,0) - - (2,2,1)(3,2,0)(4,3,0)(5,4,0)
1,4,6,10,3,7,10,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,1)
1,4,6,10,3,7, 10,15,6,11,14	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,1) - - (2,2,0)(3,3,1)(4,2,0)
1,4,6,10,3,7,10, 15,6,11,15,20	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,1) - - (2,2,0)(3,3,1)(4,3,0)(5,4,0)
1,4,6,10,3,7,10, 15,6,11,15,21	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,1) - - (2,2,0)(3,3,1)(4,3,0)(5,4,1)
1,4,6,10,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1)
1,4,6,10,4,4	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(1,1,1)(1,1,1)
1,4,6,10,4,6	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(1,1,1)(2,1,0)
1,4,6,10,4,6,3, 7,10,15,7,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(1,1,0)(2,2,1) - - (3,2,0)(4,3,1)(2,2,1)(3,2,0)
1,4,6,10,4,6,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(1,1,1)
1,4,6,10,4,6,6,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(2,1,0)(1,1,1)
1,4,6,10,4,6,7	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(3,0,0)
1,4,6,10,4,6,9	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(3,2,0)

0 – Y 序列	BMS
1,4,6,10,4,6,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(3,2,1)
1,4,6,10,4,6,10,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(3,2,1)(1,1,1)
1,4,6,10,4,6,10,4,6	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1) - - (2,1,0)(3,2,1)(1,1,1)(2,1,0)
1,4,6,10,4,6,10,4,6,9	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1) - - (2,1,0)(3,2,1)(1,1,1)(2,1,0)(3,2,0)
1,4,6,10,4,6,10,4,6,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1) - - (2,1,0)(3,2,1)(1,1,1)(2,1,0)(3,2,1)
1,4,6,10,5	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(2,0,0)
1,4,6,10,6	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(2,1,0)
1,4,6,10,6,4	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(2,1,0)(1,1,1)
1,4,6,10,6,9	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(2,1,0)(3,2,0)
1,4,6,10,6,9,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (2,1,0)(3,2,0)(1,1,1)
1,4,6,10,6,10	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(2,1,0)(3,2,1)
1,4,6,10,8,12	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(3,1,0)(4,2,1)
1,4,6,10,9	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,2,0)
1,4,6,10,9,12,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (3,2,0)(4,2,0)(5,2,0)
1,4,6,10,9,14	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(3,2,0)(4,3,1)
1,4,6,10,9,14,13	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (3,2,0)(4,3,1)(4,3,0)
1,4,6,10,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,2,1)
1,4,6,10,11	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,0,0)
1,4,6,10,11,9,14,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,0,0)(3,2,0)(4,3,1)(5,0,0)
1,4,6,10,11,10	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,0,0)(3,2,1)
1,4,6,10,11,12	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,0,0)(5,0,0)

0 – Y 序列	BMS
1,4,6,10,11,13	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,0,0)(5,1,0)
1,4,6,10,11,14	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,0,0)(5,1,1)
1,4,6,10,12	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0)
1,4,6,10,12,4	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(1,1,1)
1,4,6,10,12,4,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(1,1,1)
1,4,6,10,12,4,5,8,10,14	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (1,1,1)(2,0,0)(3,1,1)(4,1,0)(5,2,1)
1,4,6,10,12,4,6	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(2,1,0)
1,4,6,10,12,4,6,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(2,1,0)(1,1,1)
1,4,6,10,12,4,6,6,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (1,1,1)(2,1,0)(2,1,0)(1,1,1)
1,4,6,10,12,4,6,9	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(2,1,0)(3,2,0)
1,4,6,10,12,4,6,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(2,1,0)(3,2,1)
1,4,6,10,12,4,6,10,12,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (1,1,1)(2,1,0)(3,2,1)(4,1,0)(1,1,1)
1,4,6,10,12,5	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(2,0,0)
1,4,6,10,12,6	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(2,1,0)
1,4,6,10,12,6,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(1,1,1)
1,4,6,10,12,6,4,6,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (2,1,0)(1,1,1)(2,1,0)(3,2,1)
1,4,6,10,12,6,5	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(2,0,0)
1,4,6,10,12,6,6,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(2,1,0)(1,1,1)
1,4,6,10,12,6,8,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(3,1,0)(1,1,1)
1,4,6,10,12,6,9	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(3,2,0)

0 – Y 序列	BMS
1,4,6,10,12,6,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(3,2,1)
1,4,6,10,12,6,10,12,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (2,1,0)(3,2,1)(4,1,0)(1,1,1)
1,4,6,10,12,7	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(3,0,0)
1,4,6,10,12,8,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,1,0)(1,1,1)
1,4,6,10,12,8,10,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,1,0)(4,1,0)(1,1,1)
1,4,6,10,12,8,11	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,1,0)(4,2,0)
1,4,6,10,12,8,12	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,1,0)(4,2,1)
1,4,6,10,12,9	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(3,2,0)
1,4,6,10,12,9,14	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,2,0)(4,3,1)
1,4,6,10,12,9,14,16,13	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,2,0)(4,3,1)(5,1,0)(4,3,0)
1,4,6,10,12,10	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(3,2,1)
1,4,6,10,12,11	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(4,0,0)
1,4,6,10,12,12,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(4,1,0)(1,1,1)
1,4,6,10,12,14,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(5,1,0)(1,1,1)
1,4,6,10,12,15	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(5,2,0)
1,4,6,10,12,16	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(5,2,1)
1,4,6,10,12,16,18,4	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(5,2,1)(6,1,0)(1,1,1)
1,4,6,10,13	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)
1,4,6,10,13,9,14,18	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,2,0)(3,2,0)(4,3,1)(5,3,0)
1,4,6,10,13,10	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,2,0)(3,2,1)



0 – Y 序列	BMS
1,4,6,10,13,16,10	$(0,0,0)(1,1,1)(2,1,0)(3,2,1) -$ $- (4,2,0)(5,2,0)(3,2,1)$
1,4,6,10,13,17	$(0,0,0)(1,1,1)(2,1,0) -$ $- (3,2,1)(4,2,0)(5,3,0)$
1,4,6,10,13,17,22	$(0,0,0)(1,1,1)(2,1,0)(3,2,1) -$ $- (4,2,0)(5,3,0)(6,4,0)$
1,4,6,10,13,18	$(0,0,0)(1,1,1)(2,1,0) -$ $- (3,2,1)(4,2,0)(5,3,1)$
1,4,6,10,13,18,22,28	$(0,0,0)(1,1,1)(2,1,0)(3,2,1) -$ $- (4,2,0)(5,3,1)(6,3,0)(7,4,1)$
1,4,7	$(0,0,0)(1,1,1)(2,1,1)$
1,4,7,3,7	$(0,0,0)(1,1,1)(2,1,1)(1,1,0)(2,2,1)$
1,4,7,3,7,9	$(0,0,0)(1,1,1)(2,1,1) -$ $- (1,1,0)(2,2,1)(3,1,0)$
1,4,7,3,7,10	$(0,0,0)(1,1,1)(2,1,1) -$ $- (1,1,0)(2,2,1)(3,2,0)$
1,4,7,3,7,10,15	$(0,0,0)(1,1,1)(2,1,1)(1,1,0) -$ $- (2,2,1)(3,2,0)(4,3,1)$
1,4,7,3,7,11	$(0,0,0)(1,1,1)(2,1,1) -$ $- (1,1,0)(2,2,1)(3,2,1)$
1,4,7,4	$(0,0,0)(1,1,1)(2,1,1)(1,1,1)$
1,4,7,4,6,10	$(0,0,0)(1,1,1)(2,1,1) -$ $- (1,1,1)(2,1,0)(3,2,1)$
1,4,7,4,6,10,14	$(0,0,0)(1,1,1)(2,1,1)(1,1,1) -$ $- (2,1,0)(3,2,1)(4,2,1)$
1,4,7,4,6,10,14,9	$(0,0,0)(1,1,1)(2,1,1)(1,1,1) -$ $- (2,1,0)(3,2,1)(4,2,1)(3,2,0)$
1,4,7,4,6,10,14,10	$(0,0,0)(1,1,1)(2,1,1)(1,1,1) -$ $- (2,1,0)(3,2,1)(4,2,1)(3,2,1)$
1,4,7,4,7	$(0,0,0)(1,1,1)(2,1,1)(1,1,1)(2,1,1)$
1,4,7,4,7,4,7	$(0,0,0)(1,1,1)(2,1,1)(1,1,1) -$ $- (2,1,1)(1,1,1)(2,1,1)$
1,4,7,5	$(0,0,0)(1,1,1)(2,1,1)(2,0,0)$
1,4,7,5,3,7,11,8	$(0,0,0)(1,1,1)(2,1,1)(2,0,0) -$ $- (1,1,0)(2,2,1)(3,2,1)(3,0,0)$
1,4,7,5,4	$(0,0,0)(1,1,1)(2,1,1)(2,0,0)(1,1,1)$

0 – Y 序列	BMS
1,4,7,5,4,6,10	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)
1,4,7,5,4,6,10,14	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)(4,2,1)
1,4,7,5,4,6,10,14,11	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)(4,2,1)(4,0,0)
1,4,7,5,4,6,10, 14,11,6,10,14,11	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)(4,2,1)(4,0,0) - - (2,1,0)(3,2,1)(4,2,1)(4,0,0)
1,4,7,5,4,6,10, 14,11,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)(4,2,1) - - (4,0,0)(3,1,0)(4,2,1)(5,2,1)(5,0,0)
1,4,7,5,4,6,10,14,11,9	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,0,0)(3,2,0)
1,4,7,5,4,6,10,14,11,10	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,0,0)(3,2,1)
1,4,7,5,4,6,10,14, 11,10,13,18,23,19	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,0,0)(3,2,1) - - (4,2,0)(5,3,1)(6,3,1)(6,0,0)
1,4,7,5,4,7	(0,0,0)(1,1,1)(2,1,1) - - (2,0,0)(1,1,1)(2,1,1)
1,4,7,5,4,7,5	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,1)(2,0,0)
1,4,7,5,5	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(2,0,0)
1,4,7,6	(0,0,0)(1,1,1)(2,1,1)(2,1,0)
1,4,7,6,4	(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)
1,4,7,6,4,6,10,14,13	(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,2,0)
1,4,7,6,4,6,10,14,13,10	(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,2,0)(3,2,1)
1,4,7,6,4,7	(0,0,0)(1,1,1)(2,1,1) - - (2,1,0)(1,1,1)(2,1,1)
1,4,7,6,5	(0,0,0)(1,1,1)(2,1,1)(2,1,0)(2,0,0)
1,4,7,6,6,4,7	(0,0,0)(1,1,1)(2,1,1)(2,1,0) - - (2,1,0)(1,1,1)(2,1,1)
1,4,7,6,7	(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,0,0)
1,4,7,6,8,4,7	(0,0,0)(1,1,1)(2,1,1)(2,1,0) - - (3,1,0)(1,1,1)(2,1,1)

0 – Y 序列	BMS
1,4,7,6,8,10,4,7	$(0,0,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (3,1,0)(4,1,0)(1,1,1)(2,1,1)$
1,4,7,6,9	$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,2,0)$
1,4,7,6,9,13	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,0)(3,2,0)(4,3,0)$
1,4,7,6,10	$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,2,1)$
1,4,7,6,10,13,10	$(0,0,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (3,2,1)(4,2,0)(3,2,1)$
1,4,7,6,10,13,18	$(0,0,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (3,2,1)(4,2,0)(5,3,1)$
1,4,7,6,10,14	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,0)(3,2,1)(4,2,1)$
1,4,7,7	$(0,0,0)(1,1,1)(2,1,1)(2,1,1)$
1,4,7,7,4,7	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,1)(1,1,1)(2,1,1)$
1,4,7,7,4,7,5	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(2,0,0)$
1,4,7,7,4,7,6	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(2,1,0)$
1,4,7,7,4,7,6,4,7	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(2,1,0)(1,1,1)(2,1,1)$
1,4,7,7,4,7,6,10,14,14	$(0,0,0)(1,1,1)(2,1,1)(2,1,1)(1,1,1) -$ $- (2,1,1)(2,1,0)(3,2,1)(4,2,1)(4,2,1)$
1,4,7,7,4,7,7	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(2,1,1)$
1,4,7,7,6,3, 7,11,11,9,7,11	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (2,1,0)(1,1,0)(2,2,1)(3,2,1) -$ $- (3,2,1)(3,1,0)(2,2,1)(3,2,1)$
1,4,7,7,6,4	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,1)(2,1,0)(1,1,1)$
1,4,7,7,6,4,7	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (2,1,0)(1,1,1)(2,1,1)$
1,4,7,7,6,4,7,6	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (2,1,0)(1,1,1)(2,1,1)(2,1,0)$
1,4,7,7,6,4, 7,6,10,14,14	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (2,1,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (3,2,1)(4,2,1)(4,2,1)$

0 – Y 序列	BMS
1,4,7,7,6,4,7,6, 10,14,14,12,16,20,20	(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,0) - - (1,1,1)(2,1,1)(2,1,0)(3,2,1)(4,2,1) - - (4,2,1)(4,1,0)(5,2,1)(6,2,1)(6,2,1)
1,4,7,7,6,4,7,7	(0,0,0)(1,1,1)(2,1,1)(2,1,1) - - (2,1,0)(1,1,1)(2,1,1)(2,1,1)
1,4,7,7,6,8,4,7,7	(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,0) - - (3,1,0)(1,1,1)(2,1,1)(2,1,1)
1,4,7,7,6,9	(0,0,0)(1,1,1)(2,1,1) - - (2,1,1)(2,1,0)(3,2,0)
1,4,7,7,6,10,14,14	(0,0,0)(1,1,1)(2,1,1)(2,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,2,1)
1,4,7,7,7	(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,1)
1,4,7,7,7,7	(0,0,0)(1,1,1)(2,1,1) - - (2,1,1)(2,1,1)(2,1,1)
1,4,7,8	(0,0,0)(1,1,1)(2,1,1)(3,0,0)
1,4,7,8,10	(0,0,0)(1,1,1)(2,1,1)(3,0,0)(4,1,0)
1,4,7,8,10,12,14	(0,0,0)(1,1,1)(2,1,1)(3,0,0) - - (4,1,0)(5,1,0)(6,1,0)
1,4,7,8,10,13	(0,0,0)(1,1,1)(2,1,1) - - (3,0,0)(4,1,0)(5,2,0)
1,4,7,8,11	(0,0,0)(1,1,1)(2,1,1)(3,0,0)(4,1,1)
1,4,7,8,11,14	(0,0,0)(1,1,1)(2,1,1) - - (3,0,0)(4,1,1)(5,1,1)
1,4,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)
1,4,7,9,3	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)
1,4,7,9,3,7	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(1,1,0)(2,2,1)
1,4,7,9,3,7,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)
1,4,7,9,3,7,11,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,0,0)
1,4,7,9,3,7,11,12,15	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,0,0)(5,1,1)
1,4,7,9,3,7,11,12,15,18	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,0,0)(5,1,1)(6,1,1)

0 – Y 序列	BMS
1,4,7,9,3,7, 11,12,15,18,20	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,0,0) - - (5,1,1)(6,1,1)(7,1,0)
1,4,7,9,3,7,11, 12,15,18,20,6	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,0,0) - - (5,1,1)(6,1,1)(7,1,0)(2,2,0)
1,4,7,9,3,7,11, 12,15,18,20,10,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,0,0) - - (5,1,1)(6,1,1)(7,1,0)(3,2,0)(4,3,0)
1,4,7,9,3,7,11,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0)
1,4,7,9,3,7,11,13,6	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0)(2,2,0)
1,4,7,9,3,7,11,13,7	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)
1,4,7,9,3,7,11,13,7,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1)
1,4,7,9,3,7,11, 13,7,11,12,15,18,20	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1) - - (4,0,0)(5,1,1)(6,1,1)(7,1,0)
1,4,7,9,3,7,11,13, 7,11,12,15,18,20,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1) - - (4,0,0)(5,1,1)(6,1,1)(7,1,0)(3,0,0)
1,4,7,9,3,7,11,13, 7,11,12,15,18,20,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1) - - (4,0,0)(5,1,1)(6,1,1)(7,1,0)(3,1,0)
1,4,7,9,3,7, 11,13,7,11,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0) - - (2,2,1)(3,2,1)(4,1,0)
1,4,7,9,3,7,11,13,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,0,0)
1,4,7,9,3,7,11,13,10,7	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,2,0)(2,2,1)
1,4,7,9,3,7,11, 13,10,7,11,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,2,0) - - (2,2,1)(3,2,1)(4,1,0)
1,4,7,9,3,7,11, 13,13,10,7,11,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0)(3,2,0) - - (4,2,0)(2,2,1)(3,2,1)(4,1,0)

0 – Y 序列	BMS
1,4,7,9,3,7,11,13,10,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,0)
1,4,7,9,3,7,11,13,10,15	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)
1,4,7,9,3,7, 11,13,10,15,20,22	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0) - - (3,2,0)(4,3,1)(5,3,1)(6,1,0)
1,4,7,9,3,7,11,13,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,2,1)
1,4,7,9,3,7,11,13,11,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,2,1)(4,1,0)
1,4,7,9,3,7,11,13,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(4,1,0)
1,4,7,9,3,7,11,13,15	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(5,1,0)
1,4,7,9,3,7,11,13,16	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(5,2,0)
1,4,7,9,3,7,11,13,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(5,2,1)
1,4,7,9,3,7,11,13,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(5,2,1)(6,2,1)
1,4,7,9,3,7, 11,13,17,21,23	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0) - - (5,2,1)(6,2,1)(7,1,0)
1,4,7,9,3,7,11,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,0)
1,4,7,9,3,7,11, 14,3,7,11,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,2,0)(1,1,0) - - (2,2,1)(3,2,1)(4,2,0)
1,4,7,9,3,7,11,14, 6,11,16,19,11,16,18	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,0) - - (2,2,0)(3,3,1)(4,3,1)(5,2,0) - - (3,3,1)(4,3,1)(5,1,0)
1,4,7,9,3,7,11,14,6,11, 16,19,11,16,18,22,26,29	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,2,0)(2,2,0)(3,3,1) - - (4,3,1)(5,2,0)(3,3,1)(4,3,1) - - (5,1,0)(6,2,1)(7,2,1)(8,2,0)
1,4,7,9,3,7,11, 14,6,11,16,20	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,0) - - (2,2,0)(3,3,1)(4,3,1)(5,3,0)

0 – Y 序列	BMS
1,4,7,9,4	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)$
1,4,7,9,4,6,10,14,17	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1) -$ $- (2,1,0)(3,2,1)(4,2,1)(5,2,0)$
1,4,7,9,4,7	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(1,1,1)(2,1,1)$
1,4,7,9,4,7,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (1,1,1)(2,1,1)(3,1,0)$
1,4,7,9,4,7,9,4	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (1,1,1)(2,1,1)(3,1,0)(1,1,1)$
1,4,7,9,4,7, 9,4,7,9,4	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (1,1,1)(2,1,1)(3,1,0)(1,1,1) -$ $- (2,1,1)(3,1,0)(1,1,1)$
1,4,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,9,5,3	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,0,0)(1,1,0)$
1,4,7,9,5,4	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,0,0)(1,1,1)$
1,4,7,9,5,4,7,9,4	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0) -$ $- (1,1,1)(2,1,1)(3,1,0)(1,1,1)$
1,4,7,9,5,4,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0) -$ $- (1,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,9,5,5	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,0,0)(2,0,0)$
1,4,7,9,6	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)$
1,4,7,9,6,4	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,1,0)(1,1,1)$
1,4,7,9,6,4,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,9,6,4,7,9,5,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) -$ $- (1,1,1)(2,1,1)(3,1,0)(2,0,0)(2,0,0)$
1,4,7,9,6,4,7,9,6	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) -$ $- (1,1,1)(2,1,1)(3,1,0)(2,1,0)$
1,4,7,9,6,5	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,1,0)(2,0,0)$
1,4,7,9,6,7	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,1,0)(3,0,0)$
1,4,7,9,6,8,4,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) -$ $- (3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$

0 – Y 序列	BMS
1,4,7,9,6,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,0)(3,2,0)
1,4,7,9,6,10	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,0)(3,2,1)
1,4,7,9,6,10,14,16	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,1,0)
1,4,7,9,6,10, 14,16,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,1,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,9,6,10,14,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)
1,4,7,9,6,10,14,17,10	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(3,2,1)
1,4,7,9,6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,9,6,10,14, 17,13,18,23,27,19	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,0) - - (5,3,1)(6,3,1)(7,3,0)(6,0,0)
1,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,9,7,4	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(1,1,1)
1,4,7,9,7,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,9,7,4,7,9,5,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)(2,0,0)
1,4,7,9,7,4,7,9,6	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)
1,4,7,9,7,4,7, 9,6,10,14,17,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,2,1)
1,4,7,9,7,4,7, 9,6,10,14,17,14,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,2,1)(3,2,0)
1,4,7,9,7,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,9,7,5	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(2,0,0)
1,4,7,9,7,6,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)



0 – Y 序列	BMS
1,4,7,9,7, 6,8,4,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,1)(2,1,0)(3,1,0)(1,1,1) -$ $- (2,1,1)(3,1,0)(2,1,1)$
1,4,7,9,7,6,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,1)(2,1,0)(3,2,0)$
1,4,7,9,7,6,10,14,17,11	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) -$ $- (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$
1,4,7,9,7,6,10,14,17,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) -$ $- (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)$
1,4,7,9,7,7	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,1,1)(2,1,1)$
1,4,7,9,7,7, 6,10,14,17,11	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,1)(2,1,1)(2,1,0)(3,2,1) -$ $- (4,2,1)(5,2,0)(4,0,0)$
1,4,7,9,7,7,6, 10,14,17,14,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,1)(2,1,1)(2,1,0)(3,2,1) -$ $- (4,2,1)(5,2,0)(4,2,1)(4,2,1)$
1,4,7,9,7,7,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,1)(2,1,1)(2,1,1)$
1,4,7,9,7,8	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,1,1)(3,0,0)$
1,4,7,9,7,9	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)$
1,4,7,9,7,9,4	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,1)(3,1,0)(1,1,1)$
1,4,7,9,7,9,4,7,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) -$ $- (3,1,0)(1,1,1)(2,1,1)(3,1,0)$
1,4,7,9,7,9,4,7,9,4	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) -$ $- (3,1,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)$
1,4,7,9,7,9,4,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) -$ $- (3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,9,7,9,4,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) -$ $- (3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)$
1,4,7,9,7,9, 4,7,9,7,8	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,1)(3,1,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,1,1)(3,0,0)$
1,4,7,9,7,9, 4,7,9,7,9,4	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (2,1,1)(3,1,0)(1,1,1)(2,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(1,1,1)$

0 – Y 序列	BMS
1,4,7,9,7,9,4, 7,9,7,9,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(1,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,9,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,9,7,9,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,0)(3,2,0)
1,4,7,9,7,9, 6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,0)(4,0,0)
1,4,7,9,7,9,6, 10,14,17,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,0)(4,2,1)(5,2,0)(4,0,0)
1,4,7,9,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)
1,4,7,9,7,9,7,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)(3,0,0)
1,4,7,9,7,9,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)(3,1,0)
1,4,7,9,7,9,7,9,4	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(1,1,1)
1,4,7,9,7,9,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,9,7,9, 7,9,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,0,0)
1,4,7,9,9,4,7,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0) - - (1,1,1)(2,1,1)(3,1,0)(3,0,0)
1,4,7,9,9,5	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,0,0)
1,4,7,9,9,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(2,1,0)(3,2,0)
1,4,7,9,9,6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,9,9,6, 10,14,17,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,0)(5,2,0)(4,0,0)

0 – Y 序列	BMS
1,4,7,9,9,7	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,1,1)
1,4,7,9,9,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,9,9,7,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0) - - (2,1,1)(3,1,0)(3,1,0)(2,0,0)
1,4,7,9,9,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(3,1,0)(3,0,0)
1,4,7,9,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(3,1,0)(2,0,0)
1,4,7,9,9, 9,7,9,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(3,1,0)(2,1,1)(3,1,0) - - (3,1,0)(3,1,0)(2,0,0)
1,4,7,9,9,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(3,1,0)(3,1,0)(2,0,0)
1,4,7,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,0,0)
1,4,7,9,11,5	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(2,0,0)
1,4,7,9,11,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(2,1,0)(3,2,0)
1,4,7,9,11,7	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(2,1,1)
1,4,7,9,11,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,9,11,7,9,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,1,0) - - (2,1,1)(3,1,0)(4,1,0)(2,0,0)
1,4,7,9,11,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(3,1,0)(2,0,0)
1,4,7,9,11,9,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(3,1,0)(4,1,0)(2,0,0)
1,4,7,9,11,10	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(4,0,0)
1,4,7,9,11,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(4,1,0)(2,0,0)
1,4,7,9,11,11,9,11,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,1,0) - - (4,1,0)(3,1,0)(4,1,0)(4,1,0)(2,0,0)
1,4,7,9,11,11,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(4,1,0)(4,1,0)(2,0,0)
1,4,7,9,11,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(5,0,0)

0 – Y 序列	BMS
1,4,7,9,11,13,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(5,1,0)(2,0,0)
1,4,7,9,11,13,13,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(5,1,0)(5,1,0)(2,0,0)
1,4,7,9,11,13,15,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(5,1,0)(6,1,0)(2,0,0)
1,4,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,4,7,9,12,6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,9,12,6,10,14,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,0)(3,1,0)(4,2,0)
1,4,7,9,12,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,0)(4,2,0)
1,4,7,9,12,15,18	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,0)(5,2,0)(6,2,0)
1,4,7,9,12,16	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,0)(5,3,0)
1,4,7,9,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)
1,4,7,9,13, 17,19,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,1,0)(1,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,9,13,17,19,5	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,1,0)(2,0,0)
1,4,7,9,13,17,20	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)
1,4,7,9,13,17,20,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(4,2,1)
1,4,7,9,13,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,4,7,9,13,17,20, 14,6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,0)(5,0,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,9,13,17, 20,25,30,34,26	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(7,3,1) - - (8,3,1)(9,3,0)(8,0,0)
1,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,4,7,9,13,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)

0 – Y 序列	BMS
1,4,7,10,4,7,9,13,17, 21,13,17,20,25,30,35	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(4,2,1)(5,2,1)(6,2,0) - - (7,3,1)(8,3,1)(9,3,1)
1,4,7,10,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,1)
1,4,7,10,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,0,0)
1,4,7,10,6,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,0)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,6,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,0)(3,2,0)
1,4,7,10,6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,6,10,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,4,7,10,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)
1,4,7,10,7,6,10,14,18,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)
1,4,7,10,7,7	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(2,1,1)
1,4,7,10,7,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,0,0)
1,4,7,10,7,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)
1,4,7,10,7,9,4	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(1,1,1)
1,4,7,10,7,9,4,7, 9,13,17,21,17,19,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,0,0)
1,4,7,10,7,9,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,10,7,9,5,4	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1)
1,4,7,10,7, 9,5,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(2,0,0)

0 – Y 序列	BMS
1,4,7,10,7,9, 5,4,7,9,6,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(2,1,0)(3,2,1)
1,4,7,10,7,9,5, 4,7,9,6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,7,9,5,4, 7,9,6,10,14,17,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)
1,4,7,10,7,9,5,4, 7,9,6,10,14,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)
1,4,7,10,7,9,5,4, 7,9,6,10,14,17,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,1)
1,4,7,10,7,9,5,4, 7,9,6,10,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,4,7,10,7,9,5,4, 7,9,6,10,14,18,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)
1,4,7,10,7,9, 5,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(2,1,1)
1,4,7,10,7,9,5, 4,7,9,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,7,9, 5,4,7,9,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(3,1,0)(2,1,1)
1,4,7,10,7,9, 5,4,7,9,11,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(4,1,0)(2,1,1)
1,4,7,10,7,9, 5,4,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(4,2,0)
1,4,7,10,7,9,5,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,1)

0 – Y 序列	BMS
1,4,7,10,7,9, 5,4,7,10,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,0,0)(1,1,1) -$ $- (2,1,1)(3,1,1)(2,1,1)$
1,4,7,10,7,9, 5,4,7,10,7,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,0,0)(1,1,1) -$ $- (2,1,1)(3,1,1)(2,1,1)(3,1,0)$
1,4,7,10,7,9,5, 4,7,10,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,0,0)(1,1,1) -$ $- (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,7,9,6	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,0)$
1,4,7,10,7,9, 6,4,7,10,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,7,9,6,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,0)(2,0,0)$
1,4,7,10,7,9,6,6	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,0)(2,1,0)$
1,4,7,10,7,9,6,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,0)(3,2,0)$
1,4,7,10,7,9,6, 10,14,18,14,17,11	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1) -$ $- (5,2,1)(4,2,1)(5,2,0)(4,0,0)$
1,4,7,10,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,1)$
1,4,7,10,7,9,7,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,1)(2,1,1)$
1,4,7,10,7,9,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,7,9, 7,9,6,10,14,18	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,1)(3,1,0) -$ $- (2,1,0)(3,2,1)(4,2,1)(5,2,1)$
1,4,7,10,7,9,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(2,1,1)$
1,4,7,10,7,9,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(3,1,0)(2,0,0)$
1,4,7,10,7,9,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(3,1,0)(2,1,1)$
1,4,7,10,7,9,9,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) -$ $- (3,1,0)(3,1,0)(2,1,1)(3,1,0)(2,0,0)$

0 – Y 序列	BMS
1,4,7,10,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,0)
1,4,7,10,7,9,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,1)
1,4,7,10,7,9,13,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,4,7,10,7,9,13,17,20,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,2,1)
1,4,7,10,7,9,13,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,4,7,10,7,9,13,17,21,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)
1,4,7,10,7,9, 13,17,21,17,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(5,2,1)(6,2,0)
1,4,7,10,7,9,13, 17,21,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(5,2,1)(6,2,0)(5,0,0)
1,4,7,10,7,10	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,4,7,10,7,10,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)
1,4,7,10,7,10,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)
1,4,7,10,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,7,10,7,9,6,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,1,0)(2,0,0)
1,4,7,10,7,10,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,7, 10,7,9,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)
1,4,7,10,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,4,7,10,7,10, 7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,10,7,10,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)



0 – Y 序列	BMS
1,4,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,8,4	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(1,1,1)
1,4,7,10,8,4,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)
1,4,7,10,8,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,8,4,7, 9,5,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,8,4,7, 9,6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,8,4,7, 9,6,10,14,17,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,2,1)
1,4,7,10,8,4,7, 9,6,10,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,4,7,10,8,4,7, 9,6,10,14,18,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(4,2,1)(5,2,1)
1,4,7,10,8,4,7, 9,6,10,14,18,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)
1,4,7,10,8,4,7, 9,6,10,14,18,15,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(2,1,0)(3,2,0)
1,4,7,10,8,4,7, 9,6,10,14,18,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,1,0)
1,4,7,10,8,4,7,9, 6,10,14,18,15,8,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,1,0)(4,2,0)
1,4,7,10,8,4,7,9, 6,10,14,18,15,8,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,1,0)(4,2,1)
1,4,7,10,8,4,7,9, 6,10,14,18,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,2,0)

0 – Y 序列	BMS
1,4,7,10,8,4,7,9, 6,10,14,18,15,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,2,1)
1,4,7,10,8,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,8, 4,7,9,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)
1,4,7,10,8,4,7,9,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(3,1,0)(2,1,1)
1,4,7,10,8,4,7,9,11,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,1,0)(2,1,1)
1,4,7,10,8,4,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,8,4,7,9,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1)
1,4,7,10,8,4, 7,9,13,17,21,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,0,0)
1,4,7,10,8,4,7, 9,13,17,21,18,6,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,0,0)(2,1,0)(3,2,1)
1,4,7,10,8,4,7, 9,13,17,21,18,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(2,1,1)
1,4,7,10,8,4,7, 9,13,17,21,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(3,1,0)
1,4,7,10,8,4,7,9, 13,17,21,18,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,0,0)(3,1,0)(4,2,0)
1,4,7,10,8,4,7, 9,13,17,21,18,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(4,1,0)
1,4,7,10,8,4,7,9, 13,17,21,18,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(4,2,0)
1,4,7,10,8,4,7,9, 13,17,21,18,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(4,2,1)

0 – Y 序列	BMS
1,4,7,10,8,4,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,1)$
1,4,7,10,8,4,7,10,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (1,1,1)(2,1,1)(3,1,1)(2,1,1)$
1,4,7,10,8,4,7,10,7,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (1,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,0)$
1,4,7,10,8,4, 7,10,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,8,4, 7,10,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,1,1)$
1,4,7,10,8,4, 7,10,7,9,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,8,4, 7,10,7,9,12	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(4,2,0)$
1,4,7,10,8,4,7, 10,7,9,13,17,21	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) -$ $- (3,1,0)(4,2,1)(5,2,1)(6,2,1)$
1,4,7,10,8,4,7,10, 7,9,13,17,21,18	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) -$ $- (3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,0,0)$
1,4,7,10,8,4,7,10,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (1,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)$
1,4,7,10,8,4,7,10,8	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (1,1,1)(2,1,1)(3,1,1)(3,0,0)$
1,4,7,10,8,5	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(3,0,0)(2,0,0)$
1,4,7,10,8,6,4,7,10,8	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (2,1,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)$
1,4,7,10,8,6,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(2,1,0)(3,2,0)$
1,4,7,10,8,6,10,14,17,11	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$
1,4,7,10,8,6,10,14,18,15	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)$
1,4,7,10,8,7	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(3,0,0)(2,1,1)$

0 – Y 序列	BMS
1,4,7,10,8,7,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,0)
1,4,7,10,8,7, 6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,0)(4,0,0)
1,4,7,10,8,7,6,10,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(2,1,0)(3,2,1)(4,2,1)(5,2,1)
(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(4,2,1)	
1,4,7,10,8,7,6, 10,14,18,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,8,7,6, 10,14,18,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(4,2,1)(5,2,1)
1,4,7,10,8,7, 6,10,14,18,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)
1,4,7,10,8,7,6, 10,14,18,15,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(4,2,1)
1,4,7,10,8,7,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,1)
1,4,7,10,8,7,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,0,0)
1,4,7,10,8,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,8,7,9,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,0)(2,1,0)(3,2,0)
1,4,7,10,8,7,9, 6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,8,7, 9,6,10,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)
1,4,7,10,8,7,9, 6,10,14,18,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)

0 – Y 序列	BMS
1,4,7,10,8,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,8,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,8,7, 9,13,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,0)(5,0,0)
1,4,7,10,8, 7,9,13,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,4,7,10,8,7, 9,13,17,21,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)
1,4,7,10,8,7,9,13, 17,21,18,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,0,0)(5,2,1)(6,2,0)(5,0,0)
1,4,7,10,8,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,1)
1,4,7,10,8,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,8,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(3,0,0)
1,4,7,10,8,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(4,0,0)
1,4,7,10,8,10	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(4,1,0)
1,4,7,10,8,11,14,17,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(4,1,1)(5,1,1)(6,1,1)(6,0,0)
1,4,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,2	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(1,0,0)
1,4,7,10,9,3	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(1,1,0)
1,4,7,10,9,3,7,11, 15,13,7,11,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0) - - (2,2,1)(3,2,1)(4,2,1)(4,0,0)
1,4,7,10,9,3,7,11, 15,13,7,11,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1) - - (4,1,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0)

0 – Y 序列	BMS
1,4,7,10,9,3, 7,11,15,13,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,0,0)
1,4,7,10,9,3, 7,11,15,13,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,1,0)
1,4,7,10,9,3, 7,11,15,13,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,1,0)(3,0,0)
1,4,7,10,9,3,7, 11,15,13,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,1,0)(4,0,0)
1,4,7,10,9,3,7, 11,15,13,9,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,1,0)(4,1,0)
1,4,7,10,9,3,7,11, 15,13,9,13,17,21,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,0,0)
1,4,7,10,9,3,7,11, 15,13,10,7,11,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0) - - (3,2,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0)
1,4,7,10,9, 3,7,11,15,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,1)(4,2,0)
1,4,7,10,9,4	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(1,1,1)
1,4,7,10,9,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,4,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,4,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,5	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,5,4	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,0,0)(1,1,1)
1,4,7,10,9,5,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,0,0)(1,1,1)(2,1,1)(3,1,1)

0 – Y 序列	BMS
1,4,7,10,9,5,4,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,5,4, 7,10,9,4,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9, 5,4,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,5,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,0,0)(2,0,0)
1,4,7,10,9,6	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,0)
1,4,7,10,9,6,4,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,6, 4,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,6,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,1,0)
1,4,7,10,9,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,0)
1,4,7,10,9,6,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)
1,4,7,10,9,6, 10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,9,6,10,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,4,7,10,9,6,10, 14,18,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,9,6, 10,14,18,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(4,2,1)(5,2,1)
1,4,7,10,9, 6,10,14,18,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)
1,4,7,10,9,6,10, 14,18,16,4,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)

0 – Y 序列	BMS
1,4,7,10,9,6, 10,14,18,16,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(2,0,0)
1,4,7,10,9,6, 10,14,18,16,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(3,2,0)
1,4,7,10,9,6, 10,14,18,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(4,2,0)
1,4,7,10,9,6, 10,14,18,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(4,2,1)
1,4,7,10,9,6,10, 14,18,16,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,9,6,10, 14,18,16,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(4,2,1)(5,2,1)
1,4,7,10,9,6,10, 14,18,16,14,18,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1) - - (5,1,0)(4,2,1)(5,2,1)(5,0,0)
1,4,7,10,9,6, 10,14,18,16,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(6,2,0)
1,4,7,10,9,6, 10,14,18,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)
1,4,7,10,9,6, 10,14,18,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,2,0)(4,0,0)
1,4,7,10,9,7	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,7, 6,10,14,18,17,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(4,2,1)
1,4,7,10,9,7,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(2,1,1)
1,4,7,10,9,7,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,0,0)
1,4,7,10,9,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)



0 – Y 序列	BMS
1,4,7,10,9,7,9,4	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(1,1,1)$
1,4,7,10,9,7, 9,4,7,10,9,7,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(1,1,1) -$ $- (2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,0)$
1,4,7,10,9,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,9,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(2,1,1)$
1,4,7,10,9,7,9,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (2,1,1)(3,1,0)(3,1,0)(2,1,1)$
1,4,7,10,9,7,9,11,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (2,1,1)(3,1,0)(4,1,0)(2,1,1)$
1,4,7,10,9,7,9,12	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,0)$
1,4,7,10,9,7,9,13	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,1)$
1,4,7,10,9,7,9,13,17,20	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,0)$
1,4,7,10,9,7, 9,13,17,20,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,1) -$ $- (5,2,1)(6,2,0)(5,0,0)$
1,4,7,10,9,7, 9,13,17,20,17	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,1) -$ $- (5,2,1)(6,2,0)(5,2,1)$
1,4,7,10,9,7,9,13,17,21	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)$
1,4,7,10,9,7,9, 13,17,21,17,20,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (2,1,1)(3,1,0)(4,2,1)(5,2,1) -$ $- (6,2,1)(5,2,1)(6,2,0)(5,0,0)$
1,4,7,10,9,7, 9,13,17,21,17,21	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,1) -$ $- (5,2,1)(6,2,1)(5,2,1)(6,2,1)$
1,4,7,10,9,7, 9,13,17,21,18	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,1) -$ $- (5,2,1)(6,2,1)(6,0,0)$
1,4,7,10,9,7,9, 13,17,21,19,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,1) -$ $- (5,2,1)(6,2,1)(6,1,0)(2,0,0)$

0 – Y 序列	BMS
1,4,7,10,9,7, 9,13,17,21,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)
1,4,7,10,9,7, 9,13,17,21,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(5,0,0)
1,4,7,10,9,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)
1,4,7,10,9,7,10, 6,10,14,18,17,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,2,0)(4,2,1)(5,2,1)
1,4,7,10,9,7,10,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1)
1,4,7,10,9,7,10,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)
1,4,7,10,9,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,7,10,7,9,6	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,0)
1,4,7,10,9,7,10,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,7,10,7,9,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)
1,4,7,10,9,7, 10,7,9,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,7,10,7,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(3,0,0)
1,4,7,10,9,7, 10,7,9,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,1,1)
1,4,7,10,9,7, 10,7,9,11,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,1,0)(2,1,1)
1,4,7,10,9,7,10,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,7,10,7, 9,13,17,21,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(5,0,0)

0 – Y 序列	BMS
1,4,7,10,9,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,7, 10,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,7,10,8,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,0,0)
1,4,7,10,9,7,10,8,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,1,1)
1,4,7,10,9,7,10,8,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,1,1)(3,1,0)
1,4,7,10,9,7, 10,8,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,7,10,8,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,1,1)(3,1,1)
1,4,7,10,9,7,10, 8,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,7, 10,8,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,7, 10,8,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,7,10,8,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(3,0,0)
1,4,7,10,9,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,7,10,9,4	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(1,1,1)
1,4,7,10,9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9, 7,10,9,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,7,10,9,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)

0 – Y 序列	BMS
1,4,7,10,9,7, 10,9,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,7, 10,9,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,7, 10,9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,7,10, 9,7,10,9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,4,7,10,9,8,4	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)
1,4,7,10,9,8,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,8,4,7, 9,6,10,14,18,17,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(5,0,0)
1,4,7,10,9,8,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,8,4, 7,9,13,17,21,20,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(6,0,0)
1,4,7,10,9,8,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,8, 4,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,8, 4,7,10,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,8, 4,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,8,4,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)

0 – Y 序列	BMS
1,4,7,10,9,8,4,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,8, 4,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,8, 4,7,10,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,8, 4,7,10,9,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,0)
1,4,7,10,9,8, 4,7,10,9,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,1)
1,4,7,10,9,8,4, 7,10,9,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,8,4,7, 10,9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9, 8,4,7,10,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,4,7,10,9,8,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,0,0)
1,4,7,10,9,8,6	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,0)
1,4,7,10,9,8, 6,4,7,10,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(3,0,0)
1,4,7,10,9,8, 6,10,14,18,17,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(5,0,0)
1,4,7,10,9,8,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)
1,4,7,10,9,8,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,8,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1)

0 – Y 序列	BMS
1,4,7,10,9,8,7,10,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(2,1,1)
1,4,7,10,9,8, 7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,8,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,8,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,8,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,8,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,8,7,10,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,8, 7,10,9,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)
1,4,7,10,9,8, 7,10,9,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,8,7, 10,9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,8,7,10,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,1,0)(3,0,0)
1,4,7,10,9,8,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)(3,0,0)
1,4,7,10,9,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)
1,4,7,10,9,9,4	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(1,1,1)
1,4,7,10,9,9, 4,7,10,9,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)
1,4,7,10,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9,9, 5,4,7,10,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)

0 – Y 序列	BMS
1,4,7,10,9,9,6	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,0)$
1,4,7,10,9,9, 6,4,7,10,9,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,0)(1,1,1) -$ $- (2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)$
1,4,7,10,9,9,6,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,0)(3,2,1)$
1,4,7,10,9,9,6,10,14,18	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)$
1,4,7,10,9,9,6, 10,14,18,17,11	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,0)(3,2,1) -$ $- (4,2,1)(5,2,1)(5,2,0)(4,0,0)$
1,4,7,10,9,9,6, 10,14,18,17,17,11	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,0)(3,2,1)(4,2,1) -$ $- (5,2,1)(5,2,0)(5,2,0)(4,0,0)$
1,4,7,10,9,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,1)$
1,4,7,10,9,9,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,1)(3,1,0)(2,1,1)$
1,4,7,10,9,9,7,9,13	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,1)$
1,4,7,10,9,9, 7,9,13,17,21	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,1)(3,1,0) -$ $- (4,2,1)(5,2,1)(6,2,1)$
1,4,7,10,9,9,7, 9,13,17,21,20,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,1)(3,1,0) -$ $- (4,2,1)(5,2,1)(6,2,1)(6,2,0)(5,0,0)$
1,4,7,10,9,9,7,9, 13,17,21,20,20,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (3,1,0)(2,1,1)(3,1,0)(4,2,1) -$ $- (5,2,1)(6,2,1)(6,2,0)(6,2,0)(5,0,0)$
1,4,7,10,9,9,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,1)(3,1,1)$
1,4,7,10,9,9,7,10,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (3,1,0)(2,1,1)(3,1,1)(2,1,1)$
1,4,7,10,9,9, 7,10,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(3,1,0)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,9,9,7,10,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (3,1,0)(2,1,1)(3,1,1)(2,1,1)(3,1,1)$

0 – Y 序列	BMS
1,4,7,10,9,9,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9, 9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9, 9,7,10,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,9,7, 10,9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,9,7,10,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(3,0,0)
1,4,7,10,9, 9,7,10,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9,9,7, 10,9,9,7,10,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(3,0,0)
1,4,7,10,9,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9,10	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,0,0)
1,4,7,10,9,10,4	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)
1,4,7,10,9,10,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,10,4,7, 9,6,10,14,18,17,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(6,0,0)
1,4,7,10,9,10,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,10,4,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,10,4, 7,9,13,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,4,7,10,9,10, 4,7,9,13,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)



0 – Y 序列	BMS
1,4,7,10,9,10,4, 7,9,13,17,21,20,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,0,0)
1,4,7,10,9,10,4,7, 9,13,17,21,20,21,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,0,0)(4,2,0)
1,4,7,10,9,10,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,10,4, 7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,10, 4,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,10,4,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,10, 4,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,10, 4,7,10,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,10, 4,7,10,9,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,1)
1,4,7,10,9,10, 4,7,10,9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,10, 4,7,10,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,4,7,10,9,10, 4,7,10,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9, 10,4,7,10,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,0,0)
1,4,7,10,9,10,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,0,0)

0 – Y 序列	BMS
1,4,7,10,9,10, 6,4,7,10,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,0,0)
1,4,7,10,9,10,6,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,0)(3,2,1)
1,4,7,10,9,10,6,10,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,4,7,10,9,10,6, 10,14,18,17,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(6,0,0)
1,4,7,10,9,10,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)
1,4,7,10,9,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,10,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,10,7,9,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,0)(4,2,1)
1,4,7,10,9,10, 7,9,13,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)
1,4,7,10,9,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,1)
1,4,7,10,9,10,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,10,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,10,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,10,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,10,7,10,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,1)(3,1,0)(4,0,0)
1,4,7,10,9,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(3,0,0)
1,4,7,10,9,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(3,1,0)(2,0,0)
1,4,7,10,9,10,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(3,1,0)(2,1,1)

0 – Y 序列	BMS
1,4,7,10,9,10,9,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,0,0)(3,1,0)(3,1,0)(2,0,0)$
1,4,7,10,9,10,9,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,0,0)(3,1,0)(4,0,0)$
1,4,7,10,9,10,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,0,0)(4,0,0)$
1,4,7,10,9,11	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(3,1,0)(4,1,0)$
1,4,7,10,9,11,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(2,0,0)$
1,4,7,10,9,11,5, 4,7,10,9,11,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(2,0,0)(1,1,1) -$ $- (2,1,1)(3,1,1)(3,1,0)(4,1,0)(2,0,0)$
1,4,7,10,9,11,6	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(2,1,0)$
1,4,7,10,9,11,6, 10,14,18,17,20,11	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,1,0)(2,1,0)(3,2,1)(4,2,1) -$ $- (5,2,1)(5,2,0)(6,2,0)(4,0,0)$
1,4,7,10,9,11,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(2,1,1)$
1,4,7,10,9,11,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,1,0)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,9,11,7,9, 13,17,21,20,23,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,1,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1) -$ $- (6,2,1)(6,2,0)(7,2,0)(5,0,0)$
1,4,7,10,9,11,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(2,1,1)(3,1,1)$
1,4,7,10,9,11,7,10,8	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,1,0)(2,1,1)(3,1,1)(3,0,0)$
1,4,7,10,9,11,7,10,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)$
1,4,7,10,9,11,7,10,9,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,1,0)(2,1,1)(3,1,1)(3,1,0)(4,0,0)$
1,4,7,10,9,11, 7,10,9,11,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(2,0,0)$
1,4,7,10,9,11,8	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(3,0,0)$
1,4,7,10,9,11,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,1,0)(3,1,0)(2,0,0)$

0 – Y 序列	BMS
1,4,7,10,9,11,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(3,1,0)(4,0,0)
1,4,7,10,9,11,9,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(3,1,0)(4,1,0)(2,0,0)
1,4,7,10,9,11,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(4,0,0)
1,4,7,10,9,11,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(4,1,0)(2,0,0)
1,4,7,10,9,11,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(5,0,0)
1,4,7,10,9,11,13,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(5,1,0)(2,0,0)
1,4,7,10,9,11,13,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(5,1,0)(6,0,0)
1,4,7,10,9,11,13,15,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(5,1,0)(6,1,0)(2,0,0)
1,4,7,10,9,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,12,4	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)
1,4,7,10,9,12,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12,4, 7,9,6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,9,12, 4,7,9,6,10,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,4,7,10,9,12,4, 7,9,6,10,14,18,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(4,2,1)
1,4,7,10,9,12,4,7, 9,6,10,14,18,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(4,2,1)(5,2,1)
1,4,7,10,9,12,4,7, 9,6,10,14,18,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)
1,4,7,10,9,12,4,7, 9,6,10,14,18,15,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)(4,2,1)

0 – Y 序列	BMS
1,4,7,10,9,12,4,7, 9,6,10,14,18,15,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)(5,0,0)
1,4,7,10,9,12,4,7, 9,6,10,14,18,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(4,0,0)
1,4,7,10,9,12,4,7, 9,6,10,14,18,17,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(5,0,0)
1,4,7,10,9,12,4,7, 9,6,10,14,18,17,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(6,0,0)
1,4,7,10,9,12,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9, 12,4,7,9,7,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(2,1,1)
1,4,7,10,9, 12,4,7,9,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)
1,4,7,10,9,12, 4,7,9,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12,4,7,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(3,0,0)
1,4,7,10,9,12,4,7,9,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)
1,4,7,10,9,12, 4,7,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9,12,4,7,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,0,0)
1,4,7,10,9,12, 4,7,9,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(2,0,0)
1,4,7,10,9,12,4,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,12,4,7,9,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)

0 – Y 序列	BMS
1,4,7,10,9,12,4, 7,9,13,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,4,7,10,9,12, 4,7,9,13,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,4,7,10,9,12,4, 7,9,13,17,21,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)
1,4,7,10,9,12,4,7, 9,13,17,21,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)
1,4,7,10,9,12,4,7, 9,13,17,21,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(5,0,0)
1,4,7,10,9,12,4,7, 9,13,17,21,20,24	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,3,0)
1,4,7,10,9,12,4,7, 9,13,17,21,20,24,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,3,0)(3,0,0)
1,4,7,10,9,12,4,7, 9,13,17,21,20,24,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,3,0)(4,0,0)
1,4,7,10,9,12,4,7, 9,13,17,21,20,24,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,3,0)(4,2,0)
1,4,7,10,9,12,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,12, 4,7,10,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12, 4,7,10,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,12, 4,7,10,4,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,0)(4,2,0)

0 – Y 序列	BMS
1,4,7,10,9,12, 4,7,10,4,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(1,1,1)(2,1,1)(3,1,1)$
1,4,7,10,9,12,4,7,10,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,0,0)$
1,4,7,10,9, 12,4,7,10,6,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(2,1,0)(3,2,0)$
1,4,7,10,9,12,4,7, 10,6,10,14,18,17,21	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(2,1,0)(3,2,1)(4,2,1) -$ $- (5,2,1)(5,2,0)(6,3,0)$
1,4,7,10,9,12,4,7,10,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)$
1,4,7,10,9,12, 4,7,10,7,4,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,9,12, 4,7,10,7,4,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(3,1,0)(2,1,1)$
1,4,7,10,9,12, 4,7,10,7,4,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(1,1,1)(2,1,1)(3,1,1)$
1,4,7,10,9,12,4, 7,10,7,4,7,10,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(1,1,1)(2,1,1)(3,1,1)(2,1,1)$
1,4,7,10,9,12, 4,7,10,7,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(2,1,1)(2,1,1)$
1,4,7,10,9,12, 4,7,10,7,8	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(2,1,1)(3,0,0)$
1,4,7,10,9,12, 4,7,10,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,9,12,4, 7,10,7,9,5,4,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) -$ $- (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,1)$

0 – Y 序列	BMS
1,4,7,10,9,12,4, 7,10,7,9,5,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(2,0,0)
1,4,7,10,9,12, 4,7,10,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,12,4, 7,10,7,9,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12,4, 7,10,7,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9,12,4, 7,10,7,9,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,1,0)(2,0,0)
1,4,7,10,9,12, 4,7,10,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,12, 4,7,10,7,9,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,1)
1,4,7,10,9,12, 4,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,12,4, 7,10,7,10,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)(1,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12,4,7, 10,7,10,4,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,12,4, 7,10,7,10,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,12, 4,7,10,7,10,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)(2,1,1)
1,4,7,10,9,12,4, 7,10,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)



0 – Y 序列	BMS
1,4,7,10,9,12,4, 7,10,7,10,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)$
1,4,7,10,9,12,4, 7,10,7,10,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (2,1,1)(3,1,1)(2,1,1)(3,1,1)$
1,4,7,10,9,12,4,7,10,8	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)$
1,4,7,10,9,12, 4,7,10,8,4,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)$
1,4,7,10,9,12,4, 7,10,8,4,7,9,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)$
1,4,7,10,9,12, 4,7,10,8,4,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(1,1,1)(2,1,1)(3,1,1)$
1,4,7,10,9,12,4, 7,10,8,4,7,10,7,10	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (1,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)$
1,4,7,10,9,12,4, 7,10,8,4,7,10,8	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (1,1,1)(2,1,1)(3,1,1)(3,0,0)$
1,4,7,10,9,12, 4,7,10,8,6,9	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(3,0,0)(2,1,0)(3,2,0)$
1,4,7,10,9,12,4,7, 10,8,6,10,14,17,11	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) -$ $- (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)$
1,4,7,10,9,12,4,7, 10,8,6,10,14,18	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)$
1,4,7,10,9,12, 4,7,10,8,7	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,1,0)(4,2,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(3,0,0)(2,1,1)$
1,4,7,10,9,12,4, 7,10,8,7,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) -$ $- (4,2,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (3,0,0)(2,1,1)(3,1,0)(2,0,0)$

0 – Y 序列	BMS
1,4,7,10,9,12, 4,7,10,8,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(2,1,1)(3,1,1)
1,4,7,10,9,12, 4,7,10,8,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(3,0,0)
1,4,7,10,9,12,4,7,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,4,7,10,9,12, 4,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12, 4,7,10,9,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,0)(3,2,0)
1,4,7,10,9,12, 4,7,10,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)
1,4,7,10,9,12,4, 7,10,9,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12,4, 7,10,9,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,12, 4,7,10,9,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,1)
1,4,7,10,9,12,4, 7,10,9,7,10,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,0)(3,2,0)
1,4,7,10,9,12,4, 7,10,9,7,10,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,1)(2,1,1)
1,4,7,10,9,12,4, 7,10,9,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12,4, 7,10,9,7,10,7,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)

0 – Y 序列	BMS
1,4,7,10,9,12,4,7, 10,9,7,10,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,12,4, 7,10,9,7,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,4,7,10,9,12,4, 7,10,9,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,9,12,4, 7,10,9,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12, 4,7,10,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,4,7,10,9,12, 4,7,10,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9,12, 4,7,10,9,9,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(2,1,1)
1,4,7,10,9,12, 4,7,10,9,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(3,0,0)
1,4,7,10,9,12, 4,7,10,9,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(3,1,0)(2,0,0)
1,4,7,10,9,12, 4,7,10,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,0,0)
1,4,7,10,9,12, 4,7,10,9,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,1,0)
1,4,7,10,9,12, 4,7,10,9,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,1,0)(2,0,0)
1,4,7,10,9,12, 4,7,10,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,2,0)

0 – Y 序列	BMS
1,4,7,10,9,12,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,0)
1,4,7,10,9,12, 6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,0)(4,0,0)
1,4,7,10,9,12, 6,10,14,18,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(4,0,0)
1,4,7,10,9,12,6, 10,14,18,17,20,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(6,2,0)(4,0,0)
1,4,7,10,9,12,6, 10,14,18,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(6,3,0)
1,4,7,10,9,12,7	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,1)
1,4,7,10,9,12,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,1)(3,1,1)
1,4,7,10,9, 12,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,9,12, 7,10,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(2,1,1)(3,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,12,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(3,1,0)(4,2,0)
1,4,7,10,9,12,11,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(4,1,0)(5,2,0)
1,4,7,10,9,12,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(4,2,0)
1,4,7,10,9,12,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,0,0)
1,4,7,10,9,12, 14,4,7,10,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,2,0)
1,4,7,10,9,12,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,2,0)

0 – Y 序列	BMS
1,4,7,10,9,12,15,17,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(5,2,0)(6,1,0)(2,0,0)
1,4,7,10,9,12,15,17,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(5,2,0)(6,1,0)(5,0,0)
1,4,7,10,9,12,15,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,2,0)(6,2,0)
1,4,7,10,9,12, 15,18,12,15,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,2,0)(6,2,0) - - (4,2,0)(5,2,0)(6,2,0)
1,4,7,10,9,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,3,0)
1,4,7,10,9,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,2,1)
1,4,7,10,9,13,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)
1,4,7,10,9,13,17,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,1,0)
1,4,7,10,9,13,17,19,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,1,0)(2,0,0)
1,4,7,10,9,13,17,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,0)
1,4,7,10,9,13,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,4,7,10,9,13,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,4,7,10,9,13, 17,21,20,24	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,3,0)
1,4,7,10,9,13,17, 21,20,24,28,32	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1) - - (6,2,0)(7,3,0)(8,3,0)(9,3,0)
1,4,7,10,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)
1,4,7,10,10,4,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,10,4, 7,9,13,17,21,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,1)
1,4,7,10,10,4,7, 9,13,17,21,21,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,1)(4,2,0)

0 – Y 序列	BMS
1,4,7,10,10,4,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1)
1,4,7,10,10,4,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,10,4,7,10,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,0)
1,4,7,10,10,4,7, 10,9,13,17,21,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)
1,4,7,10,10,4,7, 10,9,13,17,21,21,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,0)
1,4,7,10,10,4,7, 10,9,13,17,21,21,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,1)(4,2,0)
1,4,7,10,10,4,7,10,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1)(3,1,1)
1,4,7,10,10,5	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(2,0,0)
1,4,7,10,10,6,4,7,10,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)
1,4,7,10,10,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,0)(3,2,0)
1,4,7,10,10,6,9,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,0)(3,2,0)(4,3,0)
1,4,7,10,10,6,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,0)(3,2,1)
1,4,7,10,10,6,10,14,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)
1,4,7,10,10, 6,10,14,17,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,4,7,10,10, 6,10,14,18,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,1)
1,4,7,10,10,7	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(2,1,1)
1,4,7,10,10,7,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)
1,4,7,10,10, 7,9,4,7,10,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,1)

0 – Y 序列	BMS
1,4,7,10,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,10,7,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,0)
1,4,7,10,10,7, 9,13,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,0)(5,0,0)
1,4,7,10,10,7,9, 13,17,21,21,17,20,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)
1,4,7,10,10,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,4,7,10,10,7,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,10,7,10,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,1)(3,0,0)
1,4,7,10,10,7,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,4,7,10,10,7,10,9,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,4,7,10,10,7,10,9,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,0,0)
1,4,7,10,10,7,10,9,11,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,1,0)(2,0,0)
1,4,7,10,10,7,10,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,2,0)
1,4,7,10,10,7,10,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,1)(3,1,1)
1,4,7,10,10, 7,10,10,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,7,10,10,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(3,0,0)
1,4,7,10,10,8,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,10,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(3,1,0)
1,4,7,10,10,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(3,1,0)(2,0,0)

0 – Y 序列	BMS
1,4,7,10,10,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,4,7,10,10,9,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(3,1,0)(4,2,0)
1,4,7,10,10,10	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(3,1,1)
1,4,7,10,10,10,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(3,1,1)(3,1,1)
1,4,7,10,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,0,0)
1,4,7,10,11,14,17,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,0,0)(5,1,1)(6,1,1)(7,1,1)
1,4,7,10,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)
1,4,7,10,12,5	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(2,0,0)
1,4,7,10,12,6	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(2,1,0)
1,4,7,10,12,6,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,0)(3,2,0)
1,4,7,10,12, 6,10,14,18,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,1)
1,4,7,10,12, 6,10,14,18,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,0,0)
1,4,7,10,12, 6,10,14,18,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,1,0)
1,4,7,10,12,6,10, 14,18,20,4,7,10,12,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,1,0) - - (1,1,1)(2,1,1)(3,1,1)(4,1,0)(2,0,0)
1,4,7,10,12,6, 10,14,18,21,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(6,2,0)(4,0,0)
1,4,7,10,12,7	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(2,1,1)
1,4,7,10,12,7,9,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,1)(3,1,0)(2,0,0)
1,4,7,10,12,7,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,1)(3,1,1)
1,4,7,10,12,7,10,12,5	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,1)(3,1,1)(4,1,0)(2,0,0)



0 – Y 序列	BMS
1,4,7,10,12,8	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(4,1,0)(3,0,0)$
1,4,7,10,12,9,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (4,1,0)(3,1,0)(2,0,0)$
1,4,7,10,12,10	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(4,1,0)(3,1,1)$
1,4,7,10,12,10,12,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (4,1,0)(3,1,1)(4,1,0)(2,0,0)$
1,4,7,10,12,11	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(4,1,0)(4,0,0)$
1,4,7,10,12,12,5	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (4,1,0)(4,1,0)(2,0,0)$
1,4,7,10,12,15	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(4,1,0)(5,2,0)$
1,4,7,10,12,16,20,24	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (4,1,0)(5,2,1)(6,2,1)(7,2,1)$
1,4,7,10,13	$(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)$
1,4,7,10,13,16	$(0,0,0)(1,1,1)(2,1,1) -$ $- (3,1,1)(4,1,1)(5,1,1)$
1,4,7,10,13,16,19	$(0,0,0)(1,1,1)(2,1,1)(3,1,1) -$ $- (4,1,1)(5,1,1)(6,1,1)$
1,4,8	$(0,0,0)(1,1,1)(2,2,0)$
1,4,8,4	$(0,0,0)(1,1,1)(2,2,0)(1,1,1)$
1,4,8,4,7	$(0,0,0)(1,1,1)(2,2,0)(1,1,1)(2,1,1)$
1,4,8,4,7,10	$(0,0,0)(1,1,1)(2,2,0) -$ $- (1,1,1)(2,1,1)(3,1,1)$
1,4,8,4,8	$(0,0,0)(1,1,1)(2,2,0)(1,1,1)(2,2,0)$
1,4,8,4,8,4,8	$(0,0,0)(1,1,1)(2,2,0)(1,1,1) -$ $- (2,2,0)(1,1,1)(2,2,0)$
1,4,8,5	$(0,0,0)(1,1,1)(2,2,0)(2,0,0)$
1,4,8,5,8,12	$(0,0,0)(1,1,1)(2,2,0) -$ $- (2,0,0)(3,1,1)(4,2,0)$
1,4,8,6	$(0,0,0)(1,1,1)(2,2,0)(2,1,0)$
1,4,8,6,9	$(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,0)$
1,4,8,6,10,15	$(0,0,0)(1,1,1)(2,2,0) -$ $- (2,1,0)(3,2,1)(4,3,0)$

0 – Y 序列	BMS
1,4,8,7	(0,0,0)(1,1,1)(2,2,0)(2,1,1)
1,4,8,7,10	(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)
1,4,8,7,11	(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)
1,4,8,7,11,10,14	(0,0,0)(1,1,1)(2,2,0)(2,1,1) - - (3,2,0)(3,1,1)(4,2,0)
1,4,8,8	(0,0,0)(1,1,1)(2,2,0)(2,2,0)
1,4,8,8,8	(0,0,0)(1,1,1)(2,2,0)(2,2,0)(2,2,0)
1,4,8,9	(0,0,0)(1,1,1)(2,2,0)(3,0,0)
1,4,8,10	(0,0,0)(1,1,1)(2,2,0)(3,1,0)
1,4,8,10,3,7,12,15	(0,0,0)(1,1,1)(2,2,0)(3,1,0) - - (1,1,0)(2,2,1)(3,3,0)(4,2,0)
1,4,8,11	(0,0,0)(1,1,1)(2,2,0)(3,1,1)
1,4,8,12	(0,0,0)(1,1,1)(2,2,0)(3,2,0)
1,4,8,12,14,5	(0,0,0)(1,1,1)(2,2,0) - - (3,2,0)(4,1,0)(2,0,0)
1,4,8,12,15	(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)
1,4,8,12,16	(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,2,0)
1,4,8,13	(0,0,0)(1,1,1)(2,2,0)(3,3,0)
1,4,8,13,19	(0,0,0)(1,1,1)(2,2,0)(3,3,0)(4,4,0)
1,4,8,14	(0,0,0)(1,1,1)(2,2,0)(3,3,1)
1,4,8,14,19,14	(0,0,0)(1,1,1)(2,2,0) - - (3,3,1)(4,3,0)(3,3,1)
1,4,8,14,20	(0,0,0)(1,1,1)(2,2,0)(3,3,1)(4,3,1)
1,4,8,14,20,25,15	(0,0,0)(1,1,1)(2,2,0)(3,3,1) - - (4,3,1)(5,3,0)(4,0,0)
1,4,8,14,21	(0,0,0)(1,1,1)(2,2,0)(3,3,1)(4,4,0)
1,4,8,14,21,30	(0,0,0)(1,1,1)(2,2,0) - - (3,3,1)(4,4,0)(5,5,1)
1,4,8,14,21,30,40,52	(0,0,0)(1,1,1)(2,2,0)(3,3,1) - - (4,4,0)(5,5,1)(6,6,0)(7,7,1)
1,4,9	(0,0,0)(1,1,1)(2,2,1)

0 – Y 序列	BMS
1,4,9,4,9	$(0,0,0)(1,1,1)(2,2,1)(1,1,1)(2,2,1)$
1,4,9,6,4,8,14,22	$(0,0,0)(1,1,1)(2,2,1)(2,1,0) -$ $- (1,1,1)(2,2,0)(3,3,1)(4,4,1)$
1,4,9,6,4,8,14,22,16,5	$(0,0,0)(1,1,1)(2,2,1)(2,1,0)(1,1,1) -$ $- (2,2,0)(3,3,1)(4,4,1)(4,1,0)(2,0,0)$
1,4,9,7	$(0,0,0)(1,1,1)(2,2,1)(2,1,1)$
1,4,9,7,11	$(0,0,0)(1,1,1)(2,2,1)(2,1,1)(3,2,0)$
1,4,9,7,11,17	$(0,0,0)(1,1,1)(2,2,1) -$ $- (2,1,1)(3,2,0)(4,3,1)$
1,4,9,7,11,17,25	$(0,0,0)(1,1,1)(2,2,1)(2,1,1) -$ $- (3,2,0)(4,3,1)(5,4,1)$
1,4,9,7,12	$(0,0,0)(1,1,1)(2,2,1)(2,1,1)(3,2,1)$
1,4,9,7,12,5	$(0,0,0)(1,1,1)(2,2,1) -$ $- (2,1,1)(3,2,1)(2,0,0)$
1,4,9,7,12,7	$(0,0,0)(1,1,1)(2,2,1) -$ $- (2,1,1)(3,2,1)(2,1,1)$
1,4,9,7,12,7,12	$(0,0,0)(1,1,1)(2,2,1)(2,1,1) -$ $- (3,2,1)(2,1,1)(3,2,1)$
1,4,9,7,12,8	$(0,0,0)(1,1,1)(2,2,1) -$ $- (2,1,1)(3,2,1)(3,0,0)$
1,4,9,7,12,9,5	$(0,0,0)(1,1,1)(2,2,1)(2,1,1) -$ $- (3,2,1)(3,1,0)(2,0,0)$
1,4,9,7,12,10	$(0,0,0)(1,1,1)(2,2,1) -$ $- (2,1,1)(3,2,1)(3,1,1)$
1,4,9,7,12,10,15	$(0,0,0)(1,1,1)(2,2,1)(2,1,1) -$ $- (3,2,1)(3,1,1)(4,2,1)$
1,4,9,7,12,10,15,13,18	$(0,0,0)(1,1,1)(2,2,1)(2,1,1) -$ $- (3,2,1)(3,1,1)(4,2,1)(4,1,1)(5,2,1)$
1,4,9,8	$(0,0,0)(1,1,1)(2,2,1)(2,2,0)$
1,4,9,8,12	$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)$
1,4,9,8,12,16	$(0,0,0)(1,1,1)(2,2,1) -$ $- (2,2,0)(3,2,0)(4,2,0)$
1,4,9,8,14	$(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,3,1)$
1,4,9,8,14,17	$(0,0,0)(1,1,1)(2,2,1) -$ $- (2,2,0)(3,3,1)(4,1,1)$
1,4,9,8,14,18	$(0,0,0)(1,1,1)(2,2,1) -$ $- (2,2,0)(3,3,1)(4,2,0)$

0 – Y 序列	BMS
1,4,9,8,14,19,14	(0,0,0)(1,1,1)(2,2,1)(2,2,0) - - (3,3,1)(4,3,0)(3,3,1)
1,4,9,8,14,22	(0,0,0)(1,1,1)(2,2,1) - - (2,2,0)(3,3,1)(4,4,1)
1,4,9,8,14,22,14	(0,0,0)(1,1,1)(2,2,1)(2,2,0) - - (3,3,1)(4,4,1)(3,3,1)
1,4,9,9	(0,0,0)(1,1,1)(2,2,1)(2,2,1)
1,4,9,9,7,9,5	(0,0,0)(1,1,1)(2,2,1)(2,2,1) - - (2,1,1)(3,1,0)(2,0,0)
1,4,9,9,9	(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,1)
1,4,9,10	(0,0,0)(1,1,1)(2,2,1)(3,0,0)
1,4,9,10,8	(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)
1,4,9,10,9,8	(0,0,0)(1,1,1)(2,2,1) - - (3,0,0)(2,2,1)(2,2,0)
1,4,9,10,9,10	(0,0,0)(1,1,1)(2,2,1) - - (3,0,0)(2,2,1)(3,0,0)
1,4,9,10,10	(0,0,0)(1,1,1)(2,2,1)(3,0,0)(3,0,0)
1,4,9,11	(0,0,0)(1,1,1)(2,2,1)(3,1,0)
1,4,9,11,3,7,13,16	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (1,1,0)(2,2,1)(3,3,1)(4,2,0)
1,4,9,11,4	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(1,1,1)
1,4,9,11,4,7,10	(0,0,0)(1,1,1)(2,2,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,1)
1,4,9,11,4,7,10,10	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,1)(3,1,1)
1,4,9,11,4,9	(0,0,0)(1,1,1)(2,2,1) - - (3,1,0)(1,1,1)(2,2,1)
1,4,9,11,4,9,9	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (1,1,1)(2,2,1)(2,2,1)
1,4,9,11,4,9,10	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (1,1,1)(2,2,1)(3,0,0)
1,4,9,11,5	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,0,0)
1,4,9,11,6,9	(0,0,0)(1,1,1)(2,2,1) - - (3,1,0)(2,1,0)(3,2,0)
1,4,9,11,8	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)

0 – Y 序列	BMS
1,4,9,11,9	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,1)
1,4,9,11,14	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(4,2,0)
1,4,9,11,15,21,24	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (4,2,1)(5,3,1)(6,2,0)
1,4,9,12	(0,0,0)(1,1,1)(2,2,1)(3,1,1)
1,4,9,12,7,12,15	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (2,1,1)(3,2,1)(4,1,1)
1,4,9,12,8	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(2,2,0)
1,4,9,12,9	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(2,2,1)
1,4,9,12,9,12	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(2,2,1)(3,1,1)
1,4,9,12,12	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(3,1,1)
1,4,9,12,15	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,1,1)
1,4,9,12,16	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,0)
1,4,9,12,16,22	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,0)(5,3,1)
1,4,9,12,17	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,1)
1,4,9,12,17,9	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(2,2,1)
1,4,9,12,17,9,12	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(2,2,1)(3,1,1)
1,4,9,12,17,9,12,17	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(2,2,1)(3,1,1)(4,2,1)
1,4,9,12,17,12	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(3,1,1)
1,4,9,12,17,12,17	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(3,1,1)(4,2,1)
1,4,9,12,17,15,20	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(4,1,1)(5,2,1)
1,4,9,12,17,16	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(4,2,0)
1,4,9,12,17,17	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(4,2,1)
1,4,9,12,17,18	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(5,0,0)

0 – Y 序列	BMS
1,4,9,12,17,19,5	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(5,1,0)(2,0,0)
1,4,9,12,17,20	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(5,1,1)
1,4,9,12,17,20,24	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(5,1,1)(6,2,0)
1,4,9,12,17,20,25	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(5,1,1)(6,2,1)
1,4,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,0)
1,4,9,13,4,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (1,1,1)(2,2,1)(3,2,0)
1,4,9,13,6,4,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(1,1,1)(2,2,1)(3,2,0)
1,4,9,13,6,9	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,1,0)(3,2,0)
1,4,9,13,6,10	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,1,0)(3,2,1)
1,4,9,13,6,10,16	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)
1,4,9,13,6,10,16,17	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,0,0)
1,4,9,13,6,10,16,19,11	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,2,0)(4,0,0)
1,4,9,13,6,10, 16,20,26,29,11	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,2,1) - - (6,3,1)(7,2,0)(4,0,0)
1,4,9,13,6,10,16,21	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,3,0)
1,4,9,13,6,10,16, 21,13,18,25,31	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,3,0) - - (4,2,0)(5,3,1)(6,4,1)(7,4,0)
1,4,9,13,7	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,1,1)
1,4,9,13,8	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,0)
1,4,9,13,9,8	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,2,1)(2,2,0)
1,4,9,13,9,10	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,2,1)(3,0,0)
1,4,9,13,9,11,5	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,1,0)(2,0,0)

0 – Y 序列	BMS
1,4,9,13,9,12,17,21	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0)
1,4,9,13,9,12, 17,21,17,19,5	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0) - - (4,2,1)(5,1,0)(2,0,0)
1,4,9,13,9,12,17, 21,17,20,25,29	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0) - - (4,2,1)(5,1,1)(6,2,1)(7,2,0)
1,4,9,13,9,13	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,2,1)(3,2,0)
1,4,9,13,9,13,6,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,2,0)(2,1,0)(3,2,0)
1,4,9,13,9,13,6,10,16,21	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1) - - (3,2,0)(2,1,0)(3,2,1)(4,3,1)(5,3,0)
1,4,9,13,9,13, 6,10,16,21,16,21	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,2,0)(2,1,0)(3,2,1) - - (4,3,1)(5,3,0)(4,3,1)(5,3,0)
1,4,9,13,9,13,9,11,5	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,2,0)(2,2,1)(3,1,0)(2,0,0)
1,4,9,13,9,13,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,2,0)(2,2,1)(3,2,0)
1,4,9,13,10	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,0,0)
1,4,9,13,11,5	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(3,1,0)(2,0,0)
1,4,9,13,11,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (3,1,0)(2,2,1)(3,2,0)
1,4,9,13,12	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,1,1)
1,4,9,13,12,17,18	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (3,1,1)(4,2,1)(5,0,0)
1,4,9,13,12,17,21	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (3,1,1)(4,2,1)(5,2,0)
1,4,9,13,12,17,21,23,5	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (3,1,1)(4,2,1)(5,2,0)(5,1,0)(2,0,0)
1,4,9,13,13	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,2,0)
1,4,9,13,15,5	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,1,0)(2,0,0)
1,4,9,13,15,9,13,15,5	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,1,0) - - (2,2,1)(3,2,0)(4,1,0)(2,0,0)

0 – Y 序列	BMS
1,4,9,13,15,13,15,5	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,1,0)(3,2,0)(4,1,0)(2,0,0)
1,4,9,13,15,17,5	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,1,0)(5,1,0)(2,0,0)
1,4,9,13,15,18	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,1,0)(5,2,0)
1,4,9,13,16,21,25	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,1,1)(5,2,1)(6,2,0)
1,4,9,13,16,21,25,27,5	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,1,1)(5,2,1)(6,2,0)(7,1,0)(2,0,0)
1,4,9,13,17	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,2,0)
1,4,9,13,18	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,3,0)
1,4,9,13,18,23,28	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,0)(5,3,0)(6,3,0)
1,4,9,13,19	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,3,1)
1,4,9,13,19,20	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,3,1)(5,0,0)
1,4,9,13,19,21,24	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,0)
1,4,9,13,19,21,25	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,1)
1,4,9,13,19,21,25,29	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,1)(7,2,1)
1,4,9,13,19,21,25,31	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,1)(7,3,1)
1,4,9,13,19,21,25,31,36	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,1)(7,3,1)(8,3,0)
1,4,9,13,19,22	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,3,1)(5,1,1)
1,4,9,13,19,22,27,31	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,1)(6,2,1)(7,2,0)
1,4,9,13,19,23	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,3,1)(5,2,0)
1,4,9,13,19,24,19	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,3,0)(4,3,1)
1,4,9,13,19,27	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,3,1)(5,4,1)
1,4,9,13,19,27,28	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,4,1)(6,0,0)



0 – Y 序列	BMS
1,4,9,13,19,27,32,20	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,4,1)(6,3,0)(5,0,0)
1,4,9,13,19,27,34	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,4,1)(6,4,0)
1,4,9,14	(0,0,0)(1,1,1)(2,2,1)(3,2,1)
1,4,9,14,4,7	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(1,1,1)(2,1,1)
1,4,9,14,4,9	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(1,1,1)(2,2,1)
1,4,9,14,4,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (1,1,1)(2,2,1)(3,2,0)
1,4,9,14,4,9,14	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (1,1,1)(2,2,1)(3,2,1)
1,4,9,14,8	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)
1,4,9,14,8,12,16	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,0)(3,2,0)(4,2,0)
1,4,9,14,9	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)
1,4,9,14,9,10	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)(3,0,0)
1,4,9,14,9,11,5	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,0)(2,0,0)
1,4,9,14,9,12	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)(3,1,1)
1,4,9,14,9,12,17	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)
1,4,9,14,9,12,17,21	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0)
1,4,9,14,9,12,17,21,26	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0)(6,3,0)
1,4,9,14,9,12,17,21,27	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1) - - (3,1,1)(4,2,1)(5,2,0)(6,3,1)
1,4,9,14,9,12,17,22	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)(5,2,1)
1,4,9,14,9, 12,17,22,17,19,5	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)(5,2,1) - - (4,2,1)(5,1,0)(2,0,0)
1,4,9,14,9,13	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)(3,2,0)

0 – Y 序列	BMS
1,4,9,14,9,13,18,23,28	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,0)(4,3,0)(5,3,0)(6,3,0)
1,4,9,14,9,14	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)(3,2,1)
1,4,9,14,9,14,8,12,16	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,0)(3,2,0)(4,2,0)
1,4,9,14,9,14,9,11,5	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,1,0)(2,0,0)
1,4,9,14,9,14,9,12,17,21	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1) - - (3,2,1)(2,2,1)(3,1,1)(4,2,1)(5,2,0)
1,4,9,14,9,14,9, 12,17,22,17,21	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,1,1) - - (4,2,1)(5,2,1)(4,2,1)(5,2,0)
1,4,9,14,9,14,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,2,0)
1,4,9,14,9,14, 9,13,18,23,28	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,2,0) - - (4,3,0)(5,3,0)(6,3,0)
1,4,9,14,9,14,9,14,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1) - - (3,2,1)(2,2,1)(3,2,1)(2,2,1)(3,2,0)
1,4,9,14,9,14,9, 14,9,13,18,23,28	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,0)(4,3,0)(5,3,0)(6,3,0)
1,4,9,14,10	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,0,0)
1,4,9,14,11,5	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(3,1,0)(2,0,0)
1,4,9,14,11,15,21,26	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,1,0)(4,2,1)(5,3,1)(6,3,0)
1,4,9,14,11, 15,21,27,21,26	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,0) - - (4,2,1)(5,3,1)(6,3,1)(5,3,1)(6,3,0)
1,4,9,14,11,15,21,27,22	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,0) - - (4,2,1)(5,3,1)(6,3,1)(6,0,0)
1,4,9,14,12	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)
1,4,9,14,12,17,22	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,1,1)(4,2,1)(5,2,1)
1,4,9,14,13	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,0)
1,4,9,14,13,17,21	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,2,0)(4,2,0)(5,2,0)

0 – Y 序列	BMS
1,4,9,14,13,19	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(3,2,0)(4,3,1)
1,4,9,14,14	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,1)
1,4,9,14,14,9,13	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,2,1)(2,2,1)(3,2,0)
1,4,9,14,14,9,14,13	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,2,1)(2,2,1)(3,2,1)(3,2,0)
1,4,9,14,14,13	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(3,2,1)(3,2,0)
1,4,9,14,18	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,0)
1,4,9,14,19,13	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(4,2,1)(3,2,0)
1,4,9,14,19,14,18	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (4,2,1)(3,2,1)(4,2,0)
1,4,9,14,19,18	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(4,2,1)(4,2,0)
1,4,9,14,19,23	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(4,2,1)(5,2,0)
1,4,9,15	(0,0,0)(1,1,1)(2,2,1)(3,3,0)
1,4,9,15,21,27	(0,0,0)(1,1,1)(2,2,1) - - (3,3,0)(4,3,0)(5,3,0)
1,4,9,15,23	(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,4,1)
1,4,9,15,23,33,42	(0,0,0)(1,1,1)(2,2,1)(3,3,0) - - (4,4,1)(5,5,1)(6,5,0)
1,4,9,15,23,33,43,34	(0,0,0)(1,1,1)(2,2,1)(3,3,0) - - (4,4,1)(5,5,1)(6,5,1)(6,0,0)
1,4,9,15,23,33,44	(0,0,0)(1,1,1)(2,2,1)(3,3,0) - - (4,4,1)(5,5,1)(6,6,0)
1,4,9,16	(0,0,0)(1,1,1)(2,2,1)(3,3,1)
1,4,9,16,9	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(2,2,1)
1,4,9,16,9,14	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(2,2,1)(3,2,1)
1,4,9,16,9,15	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(2,2,1)(3,3,0)
1,4,9,16,9,16	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(2,2,1)(3,3,1)
1,4,9,16,14	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,2,1)

0 – Y 序列	BMS
1,4,9,16,14,21	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(3,2,1)(4,3,1)
1,4,9,16,15	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,0)
1,4,9,16,16	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,1)
1,4,9,16,17	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,0,0)
1,4,9,16,22	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,3,0)
1,4,9,16,25	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,4,1)
1,4,9,16,25,36	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(4,4,1)(5,5,1)
1,4,10	(0,0,0)(1,1,1)(2,2,2)
1,4,10,16	(0,0,0)(1,1,1)(2,2,2)(3,2,2)
1,4,10,16,17	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,0,0)
1,4,10,16,18	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)
1,4,10,16,18,5	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,1,0)(2,0,0)
1,4,10,16,19	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)
1,4,10,16,20	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)
1,4,10,16,20,10	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,2,0)(2,2,2)
1,4,10,16,20,10,16,20,10	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0) - - (2,2,2)(3,2,2)(4,2,0)(2,2,2)
1,4,10,16,20,11	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,2,0)(3,0,0)
1,4,10,16,21	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)
1,4,10,16,22	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)
1,4,10,16,22,22	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,2,2)(4,2,2)
1,4,10,16,22,28	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,2,2)(5,2,2)
1,4,10,17	(0,0,0)(1,1,1)(2,2,2)(3,3,0)
1,4,10,18	(0,0,0)(1,1,1)(2,2,2)(3,3,1)
1,4,10,18,28	(0,0,0)(1,1,1)(2,2,2)(3,3,1)(4,4,1)

0 – Y 序列	BMS
1,4,10,18,29	(0,0,0)(1,1,1)(2,2,2)(3,3,1)(4,4,2)
1,4,10,19	(0,0,0)(1,1,1)(2,2,2)(3,3,2)
1,4,10,19,20	(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,0,0)
1,4,10,19,31	(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,4,2)
1,4,10,20	(0,0,0)(1,1,1)(2,2,2)(3,3,3)
1,4,10,20,35	(0,0,0)(1,1,1)(2,2,2)(3,3,3)(4,4,4)
1,4,10,20,35,56	(0,0,0)(1,1,1)(2,2,2) - - (3,3,3)(4,4,4)(5,5,5)
1,5	(0,0,0,0)(1,1,1,1)
1,5,4	(0,0,0,0)(1,1,1,1)(1,1,1,0)
1,5,4,9	(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,1,0)
1,5,4,9,16	(0,0,0,0)(1,1,1,1)(1,1,1,0) - - (2,2,1,0)(3,3,1,0)
1,5,4,10	(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,0)
1,5,4,10,20	(0,0,0,0)(1,1,1,1)(1,1,1,0) - - (2,2,2,0)(3,3,3,0)
1,5,4,11	(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,1)
1,5,4,11,9	(0,0,0,0)(1,1,1,1)(1,1,1,0) - - (2,2,2,1)(2,2,1,0)
1,5,4,11,9,18,16	(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,1) - - (2,2,1,0)(3,3,2,1)(3,3,1,0)
1,5,4,11,10	(0,0,0,0)(1,1,1,1)(1,1,1,0) - - (2,2,2,1)(2,2,2,0)
1,5,4,11,10,21	(0,0,0,0)(1,1,1,1)(1,1,1,0) - - (2,2,2,1)(2,2,2,0)(3,3,3,1)
1,5,4,11,10,21,20	(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,1) - - (2,2,2,0)(3,3,3,1)(3,3,3,0)
1,5,5	(0,0,0,0)(1,1,1,1)(1,1,1,1)
1,5,5,5	(0,0,0,0)(1,1,1,1)(1,1,1,1)(1,1,1,1)
1,5,6	(0,0,0,0)(1,1,1,1)(2,0,0,0)
1,5,7	(0,0,0,0)(1,1,1,1)(2,1,0,0)

0 – Y 序列	BMS
1,5,7,3,8	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,0,0)(2,2,1,1)
1,5,7,3,8,10	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,0,0)(2,2,1,1)(3,1,0,0)
1,5,7,3,8,10,7	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) - - (2,2,1,1)(3,1,0,0)(2,2,1,0)
1,5,7,3,8,10,15,17	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,0,0)(2,2,1,1)(3,1,0,0) - - (2,2,1,0)(3,3,2,1)(4,1,0,0)
1,5,7,3,8,10,8	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) - - (2,2,1,1)(3,1,0,0)(2,2,1,1)
1,5,7,3,8,11	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,0,0)(2,2,1,1)(3,1,1,0)
1,5,7,3,8,11,16	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) - - (2,2,1,1)(3,1,1,0)(4,2,1,0)
1,5,7,3,8,11,17	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) - - (2,2,1,1)(3,1,1,0)(4,2,2,0)
1,5,7,3,8,11,18	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) - - (2,2,1,1)(3,1,1,0)(4,2,2,1)
1,5,7,3,8,11,18,21,28	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,0,0)(2,2,1,1)(3,1,1,0) - - (4,2,2,1)(5,1,1,0)(6,2,2,1)
1,5,7,4	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0)
1,5,7,4,11,13	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,1,0,0)
1,5,7,4,11,13,4	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(1,1,1,0)
1,5,7,4,11,13,5	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(2,0,0,0)
1,5,7,4,11,13,11	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(2,2,2,1)
1,5,7,4,11,13,11,13,11	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,1,0,0) - - (2,2,2,1)(3,1,0,0)(2,2,2,1)
1,5,7,4,11,13,12	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(3,0,0,0)
1,5,7,4,11,13,13	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(3,1,0,0)
1,5,7,4,11,13,13,4	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(3,1,0,0)(1,1,1,0)

0 – Y 序列	BMS
1,5,7,4,11,13,13,11	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(3,1,0,0)(2,2,2,1)
1,5,7,4,11,13,16	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(4,2,0,0)
1,5,7,4,11,13,17	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(4,2,1,0)
1,5,7,4,11,13,18	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(4,2,1,1)
1,5,7,4,11,14	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,1,1,0)
1,5,7,4,11,14,19	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,1,0)(4,2,1,0)
1,5,7,4,11,14,20	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,1,0)(4,2,2,0)
1,5,7,4,11,14,21	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,1,0)(4,2,2,1)
1,5,7,4,11,14,21,24,31	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,1,1,0) - - (4,2,2,1)(5,1,1,0)(6,2,2,1)
1,5,7,4,11,15	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,2,0,0)
1,5,7,4,11,15,10	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,2,0,0)(2,2,2,0)
1,5,7,5	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,1)
1,5,7,5,7,5	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,1)(2,1,0,0)(1,1,1,1)
1,5,7,7,5	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (2,1,0,0)(1,1,1,1)
1,5,7,10	(0,0,0,0)(1,1,1,1)(2,1,0,0)(3,2,0,0)
1,5,8	(0,0,0,0)(1,1,1,1)(2,1,1,0)
1,5,8,4,11	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)
1,5,8,4,11,14	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,1,1,0)
1,5,8,4,11,14,21	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,1,1,0)(4,2,2,1)
1,5,8,4,11,15	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,0,0)

0 – Y 序列	BMS
1,5,8,4,11,16	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,1,0)
1,5,8,4,11,16,9,18,25	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,1,0) - - (2,2,1,0)(3,3,2,1)(4,3,1,0)
1,5,8,4,11,16,10,21,29	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,1,0) - - (2,2,2,0)(3,3,3,1)(4,3,1,0)
1,5,8,4,11,16,11	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(2,2,2,1)
1,5,8,4,11,16,16,11	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(3,2,1,0)(2,2,2,1)
1,5,8,4,11,16,17	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,0,0,0)
1,5,8,4,11,16,21,11	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,2,1,0)(2,2,2,1)
1,5,8,4,11,16,23	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,3,1,0)
1,5,8,4,11,16,24	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,3,2,0)
1,5,8,4,11,16,25	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,3,2,1)
1,5,8,4,11,16,25,36,51	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,1,0) - - (4,3,2,1)(5,4,1,0)(6,5,2,1)
1,5,8,4,11,17	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,2,0)
1,5,8,4,11,17,9,18,26	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,2,0) - - (2,2,1,0)(3,3,2,1)(4,3,2,0)
1,5,8,4,11,17,10	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,2,0)(2,2,2,0)
1,5,8,4,11,17,10,21,31	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,2,0) - - (2,2,2,0)(3,3,3,1)(4,3,3,0)
1,5,8,5	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,1)
1,5,8,5,8	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,1)(2,1,1,0)
1,5,8,5,8,5	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,1)(2,1,1,0)(1,1,1,1)



0 – Y 序列	BMS
1,5,8,8	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(2,1,1,0)$
1,5,8,8,5	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (2,1,1,0)(1,1,1,1)$
1,5,8,11,5	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,1,1,0)(1,1,1,1)$
1,5,8,13	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,1,0)$
1,5,8,13,4,11,17,26	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,2,2,0)(4,3,2,0)$
1,5,8,13,5	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,1,0)(1,1,1,1)$
1,5,8,13,20,5	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,1,0)(4,3,1,0)(1,1,1,1)$
1,5,8,14	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,2,0)$
1,5,8,14,24	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,2,0)(4,3,3,0)$
1,5,8,15	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,2,1)$
1,5,8,15,15	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,2,1)(3,2,2,1)$
1,5,8,15,18,5	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,2,1)(4,1,1,0)(1,1,1,1)$
1,5,8,15,20,5	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,2,1)(4,2,1,0)(1,1,1,1)$
1,5,8,15,21	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,2,1)(4,2,2,0)$
1,5,8,15,21,32	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,2,1)(4,2,2,0)(5,3,3,1)$
1,5,9	$(0,0,0,0)(1,1,1,1)(2,1,1,1)$
1,5,9,5,9	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (1,1,1,1)(2,1,1,1)$
1,5,9,8	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,0)$
1,5,9,8,5,9	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (2,1,1,0)(1,1,1,1)(2,1,1,1)$
1,5,9,8,11,5,9	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,0) -$ $- (3,1,1,0)(1,1,1,1)(2,1,1,1)$
1,5,9,8,13,5,9	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,0) -$ $- (3,2,1,0)(1,1,1,1)(2,1,1,1)$

0 – Y 序列	BMS
1,5,9,8,14	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (2,1,1,0)(3,2,2,0)
1,5,9,8,15	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (2,1,1,0)(3,2,2,1)
1,5,9,8,15,22	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (2,1,1,0)(3,2,2,1)(4,2,2,1)
1,5,9,9	(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,1)
1,5,9,10	(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,0,0,0)
1,5,9,11	(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,0,0)
1,5,9,11,5	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(1,1,1,1)
1,5,9,11,5,9	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(1,1,1,1)(2,1,1,1)
1,5,9,11,5,9,11	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(1,1,1,1)(2,1,1,1)(3,1,0,0)
1,5,9,11,6	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,0,0,0)
1,5,9,11,7	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,0,0)
1,5,9,11,8	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,1,0)
1,5,9,11,8,5,9,11	(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,0,0) - - (2,1,1,0)(1,1,1,1)(2,1,1,1)(3,1,0,0)
1,5,9,11,8,6	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,1,0)(2,0,0,0)
1,5,9,11,8,13,5,9,11	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,1,0)(3,2,1,0) - - (1,1,1,1)(2,1,1,1)(3,1,0,0)
1,5,9,11,8,14	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,1,0)(3,2,2,0)
1,5,9,11,8,15	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,1,0)(3,2,2,1)
1,5,9,11,8,15,22,26,16	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,1,0)(3,2,2,1) - - (4,2,2,1)(5,2,0,0)(4,0,0,0)
1,5,9,11,9	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,1,1)
1,5,9,11,14	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(4,2,0,0)

0 – Y 序列	BMS
1,5,9,12	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0)$
1,5,9,12,4,11,18,24	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,2,2,1)(4,2,2,0)$
1,5,9,12,5	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(1,1,1,1)$
1,5,9,12,5,9	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(1,1,1,1)(2,1,1,1)$
1,5,9,12,5,9,12	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0) -$ $- (1,1,1,1)(2,1,1,1)(3,1,1,0)$
1,5,9,12,6	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,0,0,0)$
1,5,9,12,7	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,0,0)$
1,5,9,12,8	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)$
1,5,9,12,8,5	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)(1,1,1,1)$
1,5,9,12,8,5,9,12,6	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)(1,1,1,1) -$ $- (2,1,1,1)(3,1,1,0)(2,0,0,0)$
1,5,9,12,8,12	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)(3,2,0,0)$
1,5,9,12,8,13,5,9,12,6	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0) -$ $- (2,1,1,0)(3,2,1,0)(1,1,1,1) -$ $- (2,1,1,1)(3,1,1,0)(2,0,0,0)$
1,5,9,12,8,14	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)(3,2,2,0)$
1,5,9,12,9	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,1)$
1,5,9,13	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,1)$
1,5,11	$(0,0,0,0)(1,1,1,1)(2,2,1,0)$
1,5,11,4,11,21	$(0,0,0,0)(1,1,1,1)(2,2,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,3,2,0)$
1,5,11,5	$(0,0,0,0)(1,1,1,1)(2,2,1,0)(1,1,1,1)$
1,5,12	$(0,0,0,0)(1,1,1,1)(2,2,1,1)$
1,5,12,22	$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,3,1,1)$

0 – Y 序列	BMS
1,5,12,22,35	(0,0,0,0)(1,1,1,1)(2,2,1,1) - - (3,3,1,1)(4,4,1,1)
1,5,13	(0,0,0,0)(1,1,1,1)(2,2,2,0)
1,5,15	(0,0,0,0)(1,1,1,1)(2,2,2,2)
1,5,15,35	(0,0,0,0)(1,1,1,1)(2,2,2,2)(3,3,3,3)
1,6	(0,0,0,0,0)(1,1,1,1,1)
1,6,11	(0,0,0,0,0)(1,1,1,1,1)(2,1,1,1,1)
1,6,15	(0,0,0,0,0)(1,1,1,1,1)(2,2,1,1,1)
1,6,18	(0,0,0,0,0)(1,1,1,1,1)(2,2,2,1,1)
1,6,19	(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,0)
1,6,20	(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,1)
1,6,21	(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,2)
1,7	(0,0,0,0,0,0)(1,1,1,1,1,1)
1,8	(0,0,0,0,0,0,0)(1,1,1,1,1,1,1)
1,9	(0,0,0,0,0,0,0,0)(1,1,1,1,1,1,1,1)

## A.20 Y 序列 vs BMS

本节的结果主要引自<sup>[2]</sup>。

Y 序列	BMS
1	(0)
1,1	(0)(0)
1,1,1	(0)(0)(0)
1,1,1,1	(0)(0)(0)(0)
1,2	(0)(1)
1,2,1	(0)(1)(0)
1,2,1,1	(0)(1)(0)(0)
1,2,1,2	(0)(1)(0)(1)

Y 序列	BMS
1,2,1,2,1	(0)(1)(0)(1)(0)
1,2,1,2,1,2	(0)(1)(0)(1)(0)(1)
1,2,2	(0)(1)(1)
1,2,2,1	(0)(1)(1)(0)
1,2,2,1,2	(0)(1)(1)(0)(1)
1,2,2,1,2,2	(0)(1)(1)(0)(1)(1)
1,2,2,2	(0)(1)(1)(1)
1,2,2,2,2	(0)(1)(1)(1)(1)
1,2,3	(0)(1)(2)
1,2,3,1	(0)(1)(2)(0)
1,2,3,1,2	(0)(1)(2)(0)(1)
1,2,3,1,2,3	(0)(1)(2)(0)(1)(2)
1,2,3,2	(0)(1)(2)(1)
1,2,3,2,2	(0)(1)(2)(1)(1)
1,2,3,2,3	(0)(1)(2)(1)(2)
1,2,3,2,3,2	(0)(1)(2)(1)(2)(1)
1,2,3,2,3,2,3	(0)(1)(2)(1)(2)(1)(2)
1,2,3,3	(0)(1)(2)(2)
1,2,3,3,2	(0)(1)(2)(2)(1)
1,2,3,3,2,3	(0)(1)(2)(2)(1)(2)
1,2,3,3,2,3,3	(0)(1)(2)(2)(1)(2)(2)
1,2,3,3,3	(0)(1)(2)(2)(2)
1,2,3,3,3,3	(0)(1)(2)(2)(2)(2)
1,2,3,4	(0)(1)(2)(3)
1,2,3,4,2	(0)(1)(2)(3)(1)
1,2,3,4,2,3,4	(0)(1)(2)(3)(1)(2)(3)

Y 序列	BMS
1,2,3,4,3	(0)(1)(2)(3)(2)
1,2,3,4,3,4	(0)(1)(2)(3)(2)(3)
1,2,3,4,4	(0)(1)(2)(3)(3)
1,2,3,4,5	(0)(1)(2)(3)(4)
1,2,3,4,5,4	(0)(1)(2)(3)(4)(3)
1,2,3,4,5,4,5	(0)(1)(2)(3)(4)(3)(4)
1,2,3,4,5,5	(0)(1)(2)(3)(4)(4)
1,2,3,4,5,6	(0)(1)(2)(3)(4)(5)
1,2,3,4,5,6,7	(0)(1)(2)(3)(4)(5)(6)
1,2,4	(0,0)(1,1)
1,2,4,1	(0,0)(1,1)(0,0)
1,2,4,1,2	(0,0)(1,1)(0,0)(1,0)
1,2,4,1,2,3	(0,0)(1,1)(0,0)(1,0)(2,0)
1,2,4,1,2,4	(0,0)(1,1)(0,0)(1,1)
1,2,4,2	(0,0)(1,1)(1,0)
1,2,4,2,2	(0,0)(1,1)(1,0)(1,0)
1,2,4,2,3	(0,0)(1,1)(1,0)(2,0)
1,2,4,2,4	(0,0)(1,1)(1,0)(2,1)
1,2,4,3	(0,0)(1,1)(1,0)(2,1)(2,0)
1,2,4,3,5	(0,0)(1,1)(1,0)(2,1)(2,0)(3,1)
1,2,4,3,5,4,6	(0,0)(1,1)(1,0)(2,1) - - (2,0)(3,1)(3,0)(4,1)
1,2,4,4	(0,0)(1,1)(1,1)
1,2,4,4,1,2,4,4	(0,0)(1,1)(1,1)(0,0)(1,1)(1,1)
1,2,4,4,2	(0,0)(1,1)(1,1)(1,0)
1,2,4,4,2,4,4	(0,0)(1,1)(1,1)(1,0)(2,1)(2,1)
1,2,4,4,3	(0,0)(1,1)(1,1)(1,0)(2,1)(2,1)(2,0)

Y 序列	BMS
1,2,4,4,3,5,5	(0,0)(1,1)(1,1)(1,0)(2,1) - - (2,1)(2,0)(3,1)(3,1)
1,2,4,4,4	(0,0)(1,1)(1,1)(1,1)
1,2,4,4,4,4	(0,0)(1,1)(1,1)(1,1)(1,1)
1,2,4,5	(0,0)(1,1)(2,0)
1,2,4,5,2	(0,0)(1,1)(2,0)(1,0)
1,2,4,5,2,4,5	(0,0)(1,1)(2,0)(1,0)(2,1)(3,0)
1,2,4,5,3	(0,0)(1,1)(2,0)(1,0)(2,1)(3,0)(2,0)
1,2,4,5,3,5,6	(0,0)(1,1)(2,0)(1,0)(2,1) - - (3,0)(2,0)(3,1)(4,0)
1,2,4,5,4	(0,0)(1,1)(2,0)(1,1)
1,2,4,5,4,4	(0,0)(1,1)(2,0)(1,1)(1,1)
1,2,4,5,4,5	(0,0)(1,1)(2,0)(1,1)(2,0)
1,2,4,5,4,5,4,5	(0,0)(1,1)(2,0)(1,1)(2,0)(1,1)(2,0)
1,2,4,5,5	(0,0)(1,1)(2,0)(2,0)
1,2,4,5,5,4,5	(0,0)(1,1)(2,0)(2,0)(1,1)(2,0)
1,2,4,5,5,4,5,5	(0,0)(1,1)(2,0)(2,0)(1,1)(2,0)(2,0)
1,2,4,5,5,5	(0,0)(1,1)(2,0)(2,0)(2,0)
1,2,4,5,5,5,5	(0,0)(1,1)(2,0)(2,0)(2,0)(2,0)
1,2,4,5,6	(0,0)(1,1)(2,0)(3,0)
1,2,4,5,6,7	(0,0)(1,1)(2,0)(3,0)(4,0)
1,2,4,5,7	(0,0)(1,1)(2,0)(3,1)
1,2,4,5,7,7	(0,0)(1,1)(2,0)(3,1)(3,1)
1,2,4,5,7,8	(0,0)(1,1)(2,0)(3,1)(4,0)
1,2,4,5,7,8,10	(0,0)(1,1)(2,0)(3,1)(4,0)(5,1)
1,2,4,6	(0,0)(1,1)(2,1)
1,2,4,6,2	(0,0)(1,1)(2,1)(1,0)
1,2,4,6,2,4,6	(0,0)(1,1)(2,1)(1,0)(2,1)(3,1)

Y 序列	BMS
1,2,4,6,3	(0,0)(1,1)(2,1)(1,0)(2,1)(3,1)(2,0)
1,2,4,6,3,5,7	(0,0)(1,1)(2,1)(1,0) - - (2,1)(3,1)(2,0)(3,1)(4,1)
1,2,4,6,4	(0,0)(1,1)(2,1)(1,1)
1,2,4,6,4,5	(0,0)(1,1)(2,1)(1,1)(2,0)
1,2,4,6,4,5,4	(0,0)(1,1)(2,1)(1,1)(2,0)(1,1)
1,2,4,6,4,5,4,5	(0,0)(1,1)(2,1)(1,1)(2,0)(1,1)(2,0)
1,2,4,6,4,5,5	(0,0)(1,1)(2,1)(1,1)(2,0)(2,0)
1,2,4,6,4,5,6	(0,0)(1,1)(2,1)(1,1)(2,0)(3,0)
1,2,4,6,4,5,7	(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)
1,2,4,6,4,5,7,8	(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)(4,0)
1,2,4,6,4,5,7,8,10	(0,0)(1,1)(2,1)(1,1) - - (2,0)(3,1)(4,0)(5,1)
1,2,4,6,4,5,7,9	(0,0)(1,1)(2,1)(1,1)(2,0)(3,1)(4,1)
1,2,4,6,4,5,7,9,7	(0,0)(1,1)(2,1)(1,1) - - (2,0)(3,1)(4,1)(3,1)
1,2,4,6,4,6	(0,0)(1,1)(2,1)(1,1)(2,1)
1,2,4,6,4,6,4,6	(0,0)(1,1)(2,1)(1,1)(2,1)(1,1)(2,1)
1,2,4,6,5	(0,0)(1,1)(2,1)(2,0)
1,2,4,6,5,5	(0,0)(1,1)(2,1)(2,0)(2,0)
1,2,4,6,5,6	(0,0)(1,1)(2,1)(2,0)(3,0)
1,2,4,6,5,7	(0,0)(1,1)(2,1)(2,0)(3,1)
1,2,4,6,5,7,9	(0,0)(1,1)(2,1)(2,0)(3,1)(4,1)
1,2,4,6,5,7,9,8,10,12	(0,0)(1,1)(2,1)(2,0) - - (3,1)(4,1)(4,0)(5,1)(6,1)
1,2,4,6,6	(0,0)(1,1)(2,1)(2,1)
1,2,4,6,6,4	(0,0)(1,1)(2,1)(2,1)(1,1)
1,2,4,6,6,4,5,7,9,9	(0,0)(1,1)(2,1)(2,1)(1,1) - - (2,0)(3,1)(4,1)(4,1)



Y 序列	BMS
1,2,4,6,6,4, 5,7,9,9,7	(0,0)(1,1)(2,1)(2,1)(1,1) - - (2,0)(3,1)(4,1)(4,1)(3,1)
1,2,4,6,6,4,6	(0,0)(1,1)(2,1)(2,1)(1,1)(2,1)
1,2,4,6,6,4, 6,5,7,9,9	(0,0)(1,1)(2,1)(2,1)(1,1) - - (2,1)(2,0)(3,1)(4,1)(4,1)
1,2,4,6,6,4, 6,5,7,9,9,7,9	(0,0)(1,1)(2,1)(2,1)(1,1)(2,1) - - (2,0)(3,1)(4,1)(4,1)(3,1)(4,1)
1,2,4,6,6,4,6,6	(0,0)(1,1)(2,1)(2,1)(1,1)(2,1)(2,1)
1,2,4,6,6,5	(0,0)(1,1)(2,1)(2,1)(2,0)
1,2,4,6,6,5,7	(0,0)(1,1)(2,1)(2,1)(2,0)(3,1)
1,2,4,6,6,5,7,8	(0,0)(1,1)(2,1)(2,1)(2,0)(3,1)(4,0)
1,2,4,6,6,5,7,9	(0,0)(1,1)(2,1)(2,1)(2,0)(3,1)(4,1)
1,2,4,6,6,5,7,9,9	(0,0)(1,1)(2,1)(2,1) - - (2,0)(3,1)(4,1)(4,1)
1,2,4,6,6,6	(0,0)(1,1)(2,1)(2,1)(2,1)
1,2,4,6,6,6,4,6,6,6	(0,0)(1,1)(2,1)(2,1)(2,1) - - (1,1)(2,1)(2,1)(2,1)
1,2,4,6,6,6,5	(0,0)(1,1)(2,1)(2,1)(2,1)(2,0)
1,2,4,6,6,6,6	(0,0)(1,1)(2,1)(2,1)(2,1)(2,1)
1,2,4,6,7	(0,0)(1,1)(2,1)(3,0)
1,2,4,6,7,2	(0,0)(1,1)(2,1)(3,0)(1,0)
1,2,4,6,7,3	(0,0)(1,1)(2,1)(3,0)(1,0) - - (2,1)(3,1)(4,0)(2,0)
1,2,4,6,7,4	(0,0)(1,1)(2,1)(3,0)(1,1)
1,2,4,6,7,4,6,7	(0,0)(1,1)(2,1)(3,0)(1,1)(2,1)(3,0)
1,2,4,6,7,5	(0,0)(1,1)(2,1)(3,0)(2,0)
1,2,4,6,7,5,7,9,10	(0,0)(1,1)(2,1)(3,0) - - (2,0)(3,1)(4,1)(5,0)
1,2,4,6,7,6	(0,0)(1,1)(2,1)(3,0)(2,1)
1,2,4,6,7,6,4,6,7	(0,0)(1,1)(2,1)(3,0) - - (2,1)(1,1)(2,1)(3,0)

Y 序列	BMS
1,2,4,6,7,6,4,6,7,6	(0,0)(1,1)(2,1)(3,0)(2,1) - - (1,1)(2,1)(3,0)(2,1)
1,2,4,6,7,6,6	(0,0)(1,1)(2,1)(3,0)(2,1)(2,1)
1,2,4,6,7,6,7	(0,0)(1,1)(2,1)(3,0)(2,1)(3,0)
1,2,4,6,7,7	(0,0)(1,1)(2,1)(3,0)(3,0)
1,2,4,6,7,8	(0,0)(1,1)(2,1)(3,0)(4,0)
1,2,4,6,7,8,5	(0,0)(1,1)(2,1)(3,0)(4,0)(2,0)
1,2,4,6,7,9	(0,0)(1,1)(2,1)(3,0)(4,1)
1,2,4,6,7,9,6	(0,0)(1,1)(2,1)(3,0)(4,1)(2,1)
1,2,4,6,7,9,6,2,4	(0,0)(1,1)(2,1)(3,0) - - (4,1)(2,1)(1,0)(2,1)
1,2,4,6,7,9, 6,4,6,7,9	(0,0)(1,1)(2,1)(3,0)(4,1) - - (2,1)(1,1)(2,1)(3,0)(4,1)
1,2,4,6,7,9, 7,4,6,7,9	(0,0)(1,1)(2,1)(3,0)(4,1) - - (3,0)(1,1)(2,1)(3,0)(4,1)
1,2,4,6,7,9,9	(0,0)(1,1)(2,1)(3,0)(4,1)(4,1)
1,2,4,6,7,9,9,9	(0,0)(1,1)(2,1)(3,0)(4,1)(4,1)(4,1)
1,2,4,6,7,9,10	(0,0)(1,1)(2,1)(3,0)(4,1)(5,0)
1,2,4,6,7,9, 10,4,6,7,9	(0,0)(1,1)(2,1)(3,0)(4,1) - - (5,0)(1,1)(2,1)(3,0)(4,1)
1,2,4,6,7,9,11	(0,0)(1,1)(2,1)(3,0)(4,1)(5,1)
1,2,4,6,7,9, 11,9,10,12,14	(0,0)(1,1)(2,1)(3,0)(4,1) - - (5,1)(4,1)(5,0)(6,1)(7,1)
1,2,4,6,7,9,11,11	(0,0)(1,1)(2,1)(3,0)(4,1)(5,1)(5,1)
1,2,4,6,7,9,11,12	(0,0)(1,1)(2,1)(3,0)(4,1)(5,1)(6,0)
1,2,4,6,7,9,11,12,12	(0,0)(1,1)(2,1)(3,0) - - (4,1)(5,1)(6,0)(6,0)
1,2,4,6,7,9,11,12,14	(0,0)(1,1)(2,1)(3,0) - - (4,1)(5,1)(6,0)(7,1)
1,2,4,6,7,9,11,12,14,16	(0,0)(1,1)(2,1)(3,0)(4,1) - - (5,1)(6,0)(7,1)(8,1)
1,2,4,6,8	(0,0)(1,1)(2,1)(3,1)

Y 序列	BMS
1,2,4,6,8,2	(0,0)(1,1)(2,1)(3,1)(1,0)
1,2,4,6,8,2,2	(0,0)(1,1)(2,1)(3,1)(1,0)(1,0)
1,2,4,6,8,2,3	(0,0)(1,1)(2,1)(3,1)(1,0)(2,0)
1,2,4,6,8,2,4	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)
1,2,4,6,8,2,4,5	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)(3,0)
1,2,4,6,8,2,4,5,7	(0,0)(1,1)(2,1)(3,1) - - (1,0)(2,1)(3,0)(4,1)
1,2,4,6,8,2,4,6	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1)(3,1)
1,2,4,6,8,2,4,6,7	(0,0)(1,1)(2,1)(3,1) - - (1,0)(2,1)(3,1)(4,0)
1,2,4,6,8,2,4,6,7,9	(0,0)(1,1)(2,1)(3,1)(1,0) - - (2,1)(3,1)(4,0)(5,1)
1,2,4,6,8,2, 4,6,7,9,11	(0,0)(1,1)(2,1)(3,1)(1,0) - - (2,1)(3,1)(4,0)(5,1)(6,1)
1,2,4,6,8,2,4,6,8	(0,0)(1,1)(2,1)(3,1) - - (1,0)(2,1)(3,1)(4,1)
1,2,4,6,8,2,4,6,8,2	(0,0)(1,1)(2,1)(3,1)(1,0) - - (2,1)(3,1)(4,1)(1,0)
1,2,4,6,8,2, 4,6,8,2,4,6,8	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1) - - (3,1)(4,1)(1,0)(2,1)(3,1)(4,1)
1,2,4,6,8,3	(0,0)(1,1)(2,1)(3,1)(1,0) - - (2,1)(3,1)(4,1)(2,0)
1,2,4,6,8,3,5,7,9	(0,0)(1,1)(2,1)(3,1)(1,0)(2,1) - - (3,1)(4,1)(2,0)(3,1)(4,1)(5,1)
1,2,4,6,8,4	(0,0)(1,1)(2,1)(3,1)(1,1)
1,2,4,6,8,4,2	(0,0)(1,1)(2,1)(3,1)(1,1)(1,0)
1,2,4,6,8,4,2,4	(0,0)(1,1)(2,1)(3,1)(1,1)(1,0)(2,1)
1,2,4,6,8,4,2,4,6	(0,0)(1,1)(2,1)(3,1) - - (1,1)(1,0)(2,1)(3,1)
1,2,4,6,8,4,2,4,6,8	(0,0)(1,1)(2,1)(3,1)(1,1) - - (1,0)(2,1)(3,1)(4,1)
1,2,4,6,8,4, 2,4,6,8,3	(0,0)(1,1)(2,1)(3,1)(1,1) - - (1,0)(2,1)(3,1)(4,1) - - (2,0)(3,1)(4,1)(5,1)
1,2,4,6,8,4, 2,4,6,8,4	(0,0)(1,1)(2,1)(3,1)(1,1) - - (1,0)(2,1)(3,1)(4,1)(2,1)

Y 序列	BMS
1,2,4,6,8,4,4	(0,0)(1,1)(2,1)(3,1)(1,1)(1,1)
1,2,4,6,8,4,5	(0,0)(1,1)(2,1)(3,1)(1,1)(2,0)
1,2,4,6,8,4,5,7,9,11	(0,0)(1,1)(2,1)(3,1) - - (1,1)(2,0)(3,1)(4,1)(5,1)
1,2,4,6,8,4, 5,7,9,11,7	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,0)(3,1)(4,1)(5,1)(3,1)
1,2,4,6,8,4,6	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)
1,2,4,6,8,4,6,7	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0)
1,2,4,6,8,4,6,7,9	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0)(4,1)
1,2,4,6,8,4,6,7,9,11	(0,0)(1,1)(2,1)(3,1) - - (1,1)(2,1)(3,0)(4,1)(5,1)
1,2,4,6,8,4, 6,7,9,11,13	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)
1,2,4,6,8,4, 6,7,9,11,13,5	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)(2,0)
1,2,4,6,8,4,6,7,9, 11,13,5,4,6,7,9,11,13	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(2,0)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)
1,2,4,6,8,4, 6,7,9,11,13,5,5	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(2,0)(2,0)
1,2,4,6,8,4, 6,7,9,11,13,5,6	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(2,0)(3,0)
1,2,4,6,8,4,6, 7,9,11,13,5,7	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(2,0)(3,1)
1,2,4,6,8,4,6,7, 9,11,13,5,7,9,11	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0) - - (4,1)(5,1)(6,1)(2,0)(3,1)(4,1)(5,1)
1,2,4,6,8,4, 6,7,9,11,13,6	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)(2,1)
1,2,4,6,8,4,6,7, 9,11,13,6,7,9,11,13	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)
1,2,4,6,8,4, 6,7,9,11,13,7	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)(3,0)
1,2,4,6,8,4,6,7, 9,11,13,7,9,11,13	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,0) - - (4,1)(5,1)(6,1)(3,0)(4,1)(5,1)(6,1)
1,2,4,6,8,4, 6,7,9,11,13,9	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)(4,1)

Y 序列	BMS
1,2,4,6,8,4,6,7, 9,11,13,9,10,12,14,16	(0,0)(1,1)(2,1)(3,1)(1,1) - - (2,1)(3,0)(4,1)(5,1)(6,1)(4,1) - - (5,1)(6,0)(7,1)(8,1)(9,1)
1,2,4,6,8,4,6,8	(0,0)(1,1)(2,1)(3,1)(1,1)(2,1)(3,1)
1,2,4,6,8,5	(0,0)(1,1)(2,1)(3,1)(2,0)
1,2,4,6,8,5,7,9,11	(0,0)(1,1)(2,1)(3,1)(2,0)(3,1)(4,1)(5,1)
1,2,4,6,8,6	(0,0)(1,1)(2,1)(3,1)(2,1)
1,2,4,6,8,6,7	(0,0)(1,1)(2,1)(3,1)(2,1)(3,0)
1,2,4,6,8,6,7,9	(0,0)(1,1)(2,1)(3,1)(2,1)(3,0)(4,1)
1,2,4,6,8,6,7,9,11,13	(0,0)(1,1)(2,1)(3,1)(2,1) - - (3,0)(4,1)(5,1)(6,1)
1,2,4,6,8,6,8	(0,0)(1,1)(2,1)(3,1)(2,1)(3,1)
1,2,4,6,8,6,8,6,8	(0,0)(1,1)(2,1)(3,1) - - (2,1)(3,1)(2,1)(3,1)
1,2,4,6,8,7	(0,0)(1,1)(2,1)(3,1)(3,0)
1,2,4,6,8,7,5	(0,0)(1,1)(2,1)(3,1)(3,0)(2,0)
1,2,4,6,8,7,6	(0,0)(1,1)(2,1)(3,1)(3,0)(2,1)
1,2,4,6,8,7,6,7	(0,0)(1,1)(2,1)(3,1)(3,0)(2,1)(3,0)
1,2,4,6,8,7,6,8	(0,0)(1,1)(2,1)(3,1)(3,0)(2,1)(3,1)
1,2,4,6,8,7,6,8,7	(0,0)(1,1)(2,1)(3,1) - - (3,0)(2,1)(3,1)(3,0)
1,2,4,6,8,7,7	(0,0)(1,1)(2,1)(3,1)(3,0)(3,0)
1,2,4,6,8,7,8	(0,0)(1,1)(2,1)(3,1)(3,0)(4,0)
1,2,4,6,8,7,9	(0,0)(1,1)(2,1)(3,1)(3,0)(4,1)
1,2,4,6,8,7,9,11,13	(0,0)(1,1)(2,1)(3,1) - - (3,0)(4,1)(5,1)(6,1)
1,2,4,6,8,8	(0,0)(1,1)(2,1)(3,1)(3,1)
1,2,4,6,8,8,6	(0,0)(1,1)(2,1)(3,1)(3,1)(2,1)
1,2,4,6,8,8,6,8	(0,0)(1,1)(2,1)(3,1)(3,1)(2,1)(3,1)
1,2,4,6,8,8,6,8,7	(0,0)(1,1)(2,1)(3,1) - - (3,1)(2,1)(3,1)(3,0)

Y 序列	BMS
1,2,4,6,8,8,6,8,8	(0,0)(1,1)(2,1)(3,1) - - (3,1)(2,1)(3,1)(3,1)
1,2,4,6,8,8,7	(0,0)(1,1)(2,1)(3,1)(3,1)(3,0)
1,2,4,6,8,8,8	(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)
1,2,4,6,8,8,8,6,8,8,8	(0,0)(1,1)(2,1)(3,1)(3,1) - - (3,1)(2,1)(3,1)(3,1)(3,1)
1,2,4,6,8,8,8,7	(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)(3,0)
1,2,4,6,8,8,8,8	(0,0)(1,1)(2,1)(3,1)(3,1)(3,1)(3,1)
1,2,4,6,8,9	(0,0)(1,1)(2,1)(3,1)(4,0)
1,2,4,6,8,9,8	(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)
1,2,4,6,8,9,8,9	(0,0)(1,1)(2,1)(3,1)(4,0)(3,1)(4,0)
1,2,4,6,8,9,9	(0,0)(1,1)(2,1)(3,1)(4,0)(4,0)
1,2,4,6,8,9,11	(0,0)(1,1)(2,1)(3,1)(4,0)(5,1)
1,2,4,6,8,9,11,13,15	(0,0)(1,1)(2,1)(3,1) - - (4,0)(5,1)(6,1)(7,1)
1,2,4,6,8,9,11,13,15,16	(0,0)(1,1)(2,1)(3,1)(4,0) - - (5,1)(6,1)(7,1)(8,0)
1,2,4,6,8,9, 11,13,15,16,18	(0,0)(1,1)(2,1)(3,1)(4,0) - - (5,1)(6,1)(7,1)(8,0)(9,1)
1,2,4,6,8,10	(0,0)(1,1)(2,1)(3,1)(4,1)
1,2,4,6,8,10,6	(0,0)(1,1)(2,1)(3,1)(4,1)(2,1)
1,2,4,6,8,10,8	(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)
1,2,4,6,8,10,8,10	(0,0)(1,1)(2,1)(3,1)(4,1)(3,1)(4,1)
1,2,4,6,8,10,9	(0,0)(1,1)(2,1)(3,1)(4,1)(4,0)
1,2,4,6,8,10,10	(0,0)(1,1)(2,1)(3,1)(4,1)(4,1)
1,2,4,6,8,10,10,10	(0,0)(1,1)(2,1)(3,1)(4,1)(4,1)(4,1)
1,2,4,6,8,10,11	(0,0)(1,1)(2,1)(3,1)(4,1)(5,0)
1,2,4,6,8,10,12	(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)
1,2,4,6,8,10,12,14	(0,0)(1,1)(2,1)(3,1)(4,1)(5,1)(6,1)
1,2,4,7	(0,0)(1,1)(2,2)

Y 序列	BMS
1,2,4,7,2	(0,0)(1,1)(2,2)(1,0)
1,2,4,7,2,4,7	(0,0)(1,1)(2,2)(1,0)(2,1)(3,2)
1,2,4,7,4	(0,0)(1,1)(2,2)(1,1)
1,2,4,7,4,6	(0,0)(1,1)(2,2)(1,1)(2,1)
1,2,4,7,4,6,8	(0,0)(1,1)(2,2)(1,1)(2,1)(3,1)
1,2,4,7,4,7	(0,0)(1,1)(2,2)(1,1)(2,2)
1,2,4,7,4,7,4,7	(0,0)(1,1)(2,2)(1,1)(2,2)(1,1)(2,2)
1,2,4,7,5	(0,0)(1,1)(2,2)(2,0)
1,2,4,7,5,5	(0,0)(1,1)(2,2)(2,0)(2,0)
1,2,4,7,5,6	(0,0)(1,1)(2,2)(2,0)(3,0)
1,2,4,7,5,7	(0,0)(1,1)(2,2)(2,0)(3,1)
1,2,4,7,5,7,10	(0,0)(1,1)(2,2)(2,0)(3,1)(4,2)
1,2,4,7,6	(0,0)(1,1)(2,2)(2,1)
1,2,4,7,6,7	(0,0)(1,1)(2,2)(2,1)(3,0)
1,2,4,7,6,8	(0,0)(1,1)(2,2)(2,1)(3,1)
1,2,4,7,6,9	(0,0)(1,1)(2,2)(2,1)(3,2)
1,2,4,7,6,9,8	(0,0)(1,1)(2,2)(2,1)(3,2)(3,1)
1,2,4,7,6,9,8,11	(0,0)(1,1)(2,2)(2,1)(3,2)(3,1)(4,2)
1,2,4,7,7	(0,0)(1,1)(2,2)(2,2)
1,2,4,7,7,4,7,7	(0,0)(1,1)(2,2)(2,2)(1,1)(2,2)(2,2)
1,2,4,7,7,5	(0,0)(1,1)(2,2)(2,2)(2,0)
1,2,4,7,7,6	(0,0)(1,1)(2,2)(2,2)(2,1)
1,2,4,7,7,6,9,9	(0,0)(1,1)(2,2)(2,2)(2,1)(3,2)(3,2)
1,2,4,7,7,7	(0,0)(1,1)(2,2)(2,2)(2,2)
1,2,4,7,8	(0,0)(1,1)(2,2)(3,0)
1,2,4,7,8,10	(0,0)(1,1)(2,2)(3,0)(4,1)

Y 序列	BMS
1,2,4,7,8,10,13	(0,0)(1,1)(2,2)(3,0)(4,1)(5,2)
1,2,4,7,9	(0,0)(1,1)(2,2)(3,1)
1,2,4,7,9,7,9	(0,0)(1,1)(2,2)(3,1)(2,2)(3,1)
1,2,4,7,9,8	(0,0)(1,1)(2,2)(3,1)(3,0)
1,2,4,7,9,9	(0,0)(1,1)(2,2)(3,1)(3,1)
1,2,4,7,9,12	(0,0)(1,1)(2,2)(3,1)(4,2)
1,2,4,7,10	(0,0)(1,1)(2,2)(3,2)
1,2,4,7,10,10	(0,0)(1,1)(2,2)(3,2)(3,2)
1,2,4,7,10,11	(0,0)(1,1)(2,2)(3,2)(4,0)
1,2,4,7,10,12	(0,0)(1,1)(2,2)(3,2)(4,1)
1,2,4,7,10,12,7,10,12	(0,0)(1,1)(2,2)(3,2) - - (4,1)(2,2)(3,2)(4,1)
1,2,4,7,10,12,8	(0,0)(1,1)(2,2)(3,2)(4,1)(3,0)
1,2,4,7,10,12,8,10	(0,0)(1,1)(2,2)(3,2)(4,1)(3,0)(4,1)
1,2,4,7,10,12,9	(0,0)(1,1)(2,2)(3,2)(4,1)(3,1)
1,2,4,7,10,12,9,12,15,17	(0,0)(1,1)(2,2)(3,2)(4,1) - - (3,1)(4,2)(5,2)(6,1)(5,1)
1,2,4,7,10,12,10	(0,0)(1,1)(2,2)(3,2)(4,1)(3,2)
1,2,4,7,10,12,10,12	(0,0)(1,1)(2,2)(3,2)(4,1)(3,2)(4,1)
1,2,4,7,10,12,11	(0,0)(1,1)(2,2)(3,2)(4,1)(4,0)
1,2,4,7,10,12,12	(0,0)(1,1)(2,2)(3,2)(4,1)(4,1)
1,2,4,7,10,12,13	(0,0)(1,1)(2,2)(3,2)(4,1)(5,0)
1,2,4,7,10,12,14	(0,0)(1,1)(2,2)(3,2)(4,1)(5,1)
1,2,4,7,10,12,15	(0,0)(1,1)(2,2)(3,2)(4,1)(5,2)
1,2,4,7,10,12,15,18	(0,0)(1,1)(2,2)(3,2)(4,1)(5,2)(6,2)
1,2,4,7,10,12,15,18,20	(0,0)(1,1)(2,2)(3,2) - - (4,1)(5,2)(6,2)(7,1)
1,2,4,7,10,13	(0,0)(1,1)(2,2)(3,2)(4,2)



Y 序列	BMS
1,2,4,7,10,13 1,2,4,7,10,13	(0,0)(1,1)(2,2)(3,2)(4,2) - - (0,0)(1,1)(2,2)(3,2)(4,2)
1,2,4,7,10,13,4,7,10,13	(0,0)(1,1)(2,2)(3,2)(4,2) - - (1,1)(2,2)(3,2)(4,2)
1,2,4,7,10,13,6,9,12,15	(0,0)(1,1)(2,2)(3,2)(4,2) - - (2,1)(3,2)(4,2)(5,2)
1,2,4,7,10,13,7,10,13	(0,0)(1,1)(2,2)(3,2) - - (4,2)(2,2)(3,2)(4,2)
1,2,4,7,10,13,10	(0,0)(1,1)(2,2)(3,2)(4,2)(3,2)
1,2,4,7,10,13,16	(0,0)(1,1)(2,2)(3,2)(4,2)(5,2)
1,2,4,7,11	(0,0)(1,1)(2,2)(3,3)
1,2,4,7,11,4,7,11	(0,0)(1,1)(2,2)(3,3)(1,1)(2,2)(3,3)
1,2,4,7,11,6,9,13	(0,0)(1,1)(2,2)(3,3)(2,1)(3,2)(4,3)
1,2,4,7,11,7	(0,0)(1,1)(2,2)(3,3)(2,2)
1,2,4,7,11,7,10,13	(0,0)(1,1)(2,2)(3,3)(2,2)(3,2)(4,2)
1,2,4,7,11,7,11	(0,0)(1,1)(2,2)(3,3)(2,2)(3,3)
1,2,4,7,11,10,14	(0,0)(1,1)(2,2)(3,3)(3,2)(4,3)
1,2,4,7,11,11	(0,0)(1,1)(2,2)(3,3)(3,3)
1,2,4,7,11,12	(0,0)(1,1)(2,2)(3,3)(4,0)
1,2,4,7,11,15	(0,0)(1,1)(2,2)(3,3)(4,3)
1,2,4,7,11,15,19	(0,0)(1,1)(2,2)(3,3)(4,3)(5,3)
1,2,4,7,11,16	(0,0)(1,1)(2,2)(3,3)(4,4)
1,2,4,7,11,16,21,26	(0,0)(1,1)(2,2)(3,3)(4,4)(5,4)(6,4)
1,2,4,7,11,16,22	(0,0)(1,1)(2,2)(3,3)(4,4)(5,5)
1,2,4,8	(0,0,0)(1,1,1)
1,2,4,8,1	(0,0,0)(1,1,1)(0,0,0)
1,2,4,8,2	(0,0,0)(1,1,1)(1,0,0)
1,2,4,8,2,4,8	(0,0,0)(1,1,1)(1,0,0)(2,1,1)
1,2,4,8,3	(0,0,0)(1,1,1)(1,0,0)(2,1,1)(2,0,0)

Y 序列	BMS
1,2,4,8,4	(0,0,0)(1,1,1)(1,1,0)
1,2,4,8,4,6,8	(0,0,0)(1,1,1)(1,1,0)(2,1,0)(3,1,0)
1,2,4,8,4,7	(0,0,0)(1,1,1)(1,1,0)(2,2,0)
1,2,4,8,4,7,11	(0,0,0)(1,1,1)(1,1,0)(2,2,0)(3,3,0)
1,2,4,8,4,8	(0,0,0)(1,1,1)(1,1,0)(2,2,1)
1,2,4,8,5	(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,0,0)
1,2,4,8,5,4,8,5	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,0,0)(1,1,0)(2,2,1)(2,0,0)
1,2,4,8,5,5	(0,0,0)(1,1,1)(1,1,0) - - (2,2,1)(2,0,0)(2,0,0)
1,2,4,8,5,5,4,8,5	(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,0,0) - - (2,0,0)(1,1,0)(2,2,1)(2,0,0)
1,2,4,8,6	(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,1,0)
1,2,4,8,6,9	(0,0,0)(1,1,1)(1,1,0) - - (2,2,1)(2,1,0)(3,2,0)
1,2,4,8,6,10	(0,0,0)(1,1,1)(1,1,0) - - (2,2,1)(2,1,0)(3,2,1)
1,2,4,8,6,10,7	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,1,0)(3,2,1)(3,0,0)
1,2,4,8,6,10,8	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,1,0)(3,2,1)(3,1,0)
1,2,4,8,6,10,8,12	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,1,0)(3,2,1)(3,1,0)(4,2,1)
1,2,4,8,7	(0,0,0)(1,1,1)(1,1,0)(2,2,1)(2,2,0)
1,2,4,8,7,12	(0,0,0)(1,1,1)(1,1,0) - - (2,2,1)(2,2,0)(3,3,1)
1,2,4,8,7,12,8	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,2,0)(3,3,1)(3,0,0)
1,2,4,8,7,12,11	(0,0,0)(1,1,1)(1,1,0)(2,2,1) - - (2,2,0)(3,3,1)(3,3,0)
1,2,4,8,8	(0,0,0)(1,1,1)(1,1,1)
1,2,4,8,8,4	(0,0,0)(1,1,1)(1,1,1)(1,1,0)
1,2,4,8,8,7	(0,0,0)(1,1,1)(1,1,1)(1,1,0) - - (2,2,1)(2,2,1)(2,2,0)

Y 序列	BMS
1,2,4,8,8,8	(0,0,0)(1,1,1)(1,1,1)(1,1,1)
1,2,4,8,9	(0,0,0)(1,1,1)(2,0,0)
1,2,4,8,9,4,8,9	(0,0,0)(1,1,1)(2,0,0) - - (1,1,0)(2,2,1)(3,0,0)
1,2,4,8,9,8	(0,0,0)(1,1,1)(2,0,0)(1,1,1)
1,2,4,8,9,8,9	(0,0,0)(1,1,1)(2,0,0)(1,1,1)(2,0,0)
1,2,4,8,9,9	(0,0,0)(1,1,1)(2,0,0)(2,0,0)
1,2,4,8,9,11	(0,0,0)(1,1,1)(2,0,0)(3,1,0)
1,2,4,8,9,11,14	(0,0,0)(1,1,1)(2,0,0)(3,1,0)(4,2,0)
1,2,4,8,9,11,15	(0,0,0)(1,1,1)(2,0,0)(3,1,1)
1,2,4,8,10	(0,0,0)(1,1,1)(2,1,0)
1,2,4,8,10,4,8,10	(0,0,0)(1,1,1)(2,1,0) - - (1,1,0)(2,2,1)(3,1,0)
1,2,4,8,10,7	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(2,2,0)
1,2,4,8,10,7,12,14	(0,0,0)(1,1,1)(2,1,0)(1,1,0)(2,2,1) - - (3,1,0)(2,2,0)(3,3,1)(4,1,0)
1,2,4,8,10,8	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(2,2,1)
1,2,4,8,10,10	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(3,1,0)
1,2,4,8,10,12	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(4,1,0)
1,2,4,8,10,13	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(4,2,0)
1,2,4,8,10,14	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,1,0)(4,2,1)
1,2,4,8,11	(0,0,0)(1,1,1)(2,1,0) - - (1,1,0)(2,2,1)(3,2,0)
1,2,4,8,11,7,12,16	(0,0,0)(1,1,1)(2,1,0)(1,1,0) - - (2,2,1)(3,2,0)(2,2,0)(3,3,1)(4,3,0)
1,2,4,8,11,8	(0,0,0)(1,1,1)(2,1,0)(1,1,1)
1,2,4,8,11,8,4	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0)

Y 序列	BMS
1,2,4,8,11,8,4,8	(0,0,0)(1,1,1)(2,1,0) - - (1,1,1)(1,1,0)(2,2,1)
1,2,4,8,11,8,4,8,8	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(2,2,1)
1,2,4,8,11,8,4,8,10	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,1,0)
1,2,4,8,11,8,4,8,10,8	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,1,0)(2,2,1)
1,2,4,8,11,8,4,8,11	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,2,0)
1,2,4,8,11,8, 4,8,11,7,12,15,12	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,2,0)(2,2,0) - - (3,3,1)(4,2,0)(3,3,1)
1,2,4,8,11,8,4,8,11,8	(0,0,0)(1,1,1)(2,1,0)(1,1,1) - - (1,1,0)(2,2,1)(3,2,0)(2,2,1)
1,2,4,8,11,8,7	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,0) - - (2,2,1)(3,2,0)(2,2,1)(2,2,0)
1,2,4,8,11,8,8	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(1,1,1)
1,2,4,8,11,8,10	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0)
1,2,4,8,11,8,11	(0,0,0)(1,1,1)(2,1,0)(1,1,1)(2,1,0) - - (1,1,0)(2,2,1)(3,2,0)(2,2,1)(3,2,0)
1,2,4,8,11,8,11,8	(0,0,0)(1,1,1)(2,1,0) - - (1,1,1)(2,1,0)(1,1,1)
1,2,4,8,11,9	(0,0,0)(1,1,1)(2,1,0)(2,0,0)
1,2,4,8,11,9,8	(0,0,0)(1,1,1)(2,1,0)(2,0,0)(1,1,1)
1,2,4,8,11,10	(0,0,0)(1,1,1)(2,1,0)(2,1,0)
1,2,4,8,11,11	(0,0,0)(1,1,1)(2,1,0)(2,1,0) - - (1,1,0)(2,2,1)(3,2,0)(3,2,0)
1,2,4,8,11,11,8	(0,0,0)(1,1,1)(2,1,0)(2,1,0)(1,1,1)
1,2,4,8,11,11,8,11,8	(0,0,0)(1,1,1)(2,1,0)(2,1,0) - - (1,1,1)(2,1,0)(1,1,1)
1,2,4,8,11,11,8,11,9	(0,0,0)(1,1,1)(2,1,0)(2,1,0) - - (1,1,1)(2,1,0)(2,0,0)
1,2,4,8,11,11,8,11,11,8	(0,0,0)(1,1,1)(2,1,0)(2,1,0) - - (1,1,1)(2,1,0)(2,1,0)(1,1,1)
1,2,4,8,11,11,9	(0,0,0)(1,1,1)(2,1,0)(2,1,0)(2,0,0)

Y 序列	BMS
1,2,4,8,11,11,11,8	(0,0,0)(1,1,1)(2,1,0) - - (2,1,0)(2,1,0)(1,1,1)
1,2,4,8,11,12	(0,0,0)(1,1,1)(2,1,0)(3,0,0)
1,2,4,8,11,13	(0,0,0)(1,1,1)(2,1,0)(3,1,0)
1,2,4,8,11,14	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (1,1,0)(2,2,1)(3,2,0)(4,2,0)
1,2,4,8,11,14,8	(0,0,0)(1,1,1)(2,1,0)(3,1,0)(1,1,1)
1,2,4,8,11,14,9	(0,0,0)(1,1,1)(2,1,0)(3,1,0)(2,0,0)
1,2,4,8,11,14,11,8	(0,0,0)(1,1,1)(2,1,0) - - (3,1,0)(2,1,0)(1,1,1)
1,2,4,8,11,14,11,14,8	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (2,1,0)(3,1,0)(1,1,1)
1,2,4,8,11,14,12	(0,0,0)(1,1,1)(2,1,0)(3,1,0)(3,0,0)
1,2,4,8,11,14,14,8	(0,0,0)(1,1,1)(2,1,0) - - (3,1,0)(3,1,0)(1,1,1)
1,2,4,8,11,14,14,14,8	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (3,1,0)(3,1,0)(1,1,1)
1,2,4,8,11,14,15	(0,0,0)(1,1,1)(2,1,0)(3,1,0)(4,0,0)
1,2,4,8,11,14,17,8	(0,0,0)(1,1,1)(2,1,0) - - (3,1,0)(4,1,0)(1,1,1)
1,2,4,8,11,14,17,14,8	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(3,1,0)(1,1,1)
1,2,4,8,11,14,17,14,17,8	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(3,1,0)(4,1,0)(1,1,1)
1,2,4,8,11,14,17,14,17,12	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(3,1,0)(4,1,0)(3,0,0)
1,2,4,8,11,14,17,17,8	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(4,1,0)(1,1,1)
1,2,4,8,11,14,17,18	(0,0,0)(1,1,1)(2,1,0) - - (3,1,0)(4,1,0)(5,0,0)
1,2,4,8,11,14,17,20,8	(0,0,0)(1,1,1)(2,1,0)(3,1,0) - - (4,1,0)(5,1,0)(1,1,1)
1,2,4,8,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,0)
1,2,4,8,11,15,4,8	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(1,1,0)(2,2,1)
1,2,4,8,11,15,4,8,9,11	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,0,0)(4,1,0)

Y 序列	BMS
1,2,4,8,11,15,4, 8,9,11,6,10,11,13	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,0,0)(4,1,0) - - (2,1,0)(3,2,1)(4,0,0)(5,1,0)
1,2,4,8,11,15, 4,8,9,11,7	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,0) - - (2,2,1)(3,0,0)(4,1,0)(2,2,0)
1,2,4,8,11,15, 4,8,9,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,0) - - (2,2,1)(3,0,0)(4,1,0)(2,2,1)
1,2,4,8,11,15, 4,8,9,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,0,0)(4,1,1)
1,2,4,8,11,15,4,8,10	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,1,0)
1,2,4,8,11,15,4,8,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,2,0)(2,2,1)
1,2,4,8,11,15,4,8,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,2,0)(4,3,0)
1,2,4,8,11,15,7,12,16,21	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,0)(2,2,1)(3,2,0)(4,3,0) - - (2,2,0)(3,3,1)(4,3,0)(5,4,0)
1,2,4,8,11,15,8	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(1,1,1)
1,2,4,8,11,15,8,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (1,1,1)(2,1,0)(3,2,0)
1,2,4,8,11,15,11,15	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(2,1,0)(3,2,0)
1,2,4,8,11,15,13,17	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(3,1,0)(4,2,0)
1,2,4,8,11,15,15	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(3,2,0)
1,2,4,8,11,15,16	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,0,0)
1,2,4,8,11,15,18,8	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,1,0)(1,1,1)
1,2,4,8,11,15,19	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,2,0)
1,2,4,8,11,15,19,20	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,2,0)(5,0,0)
1,2,4,8,11,15,19,22,8	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (4,2,0)(5,1,0)(1,1,1)
1,2,4,8,11,15,19,23	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,2,0)(5,2,0)
1,2,4,8,11,15,20	(0,0,0)(1,1,1)(2,1,0)(3,2,0)(4,3,0)

Y 序列	BMS
1,2,4,8,11,15,20,20	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,3,0)(4,3,0)
1,2,4,8,11,15,20,21	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,3,0)(5,0,0)
1,2,4,8,11,15,20,25	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,3,0)(5,3,0)
1,2,4,8,11,15,20,25,30	(0,0,0)(1,1,1)(2,1,0)(3,2,0) - - (4,3,0)(5,3,0)(6,3,0)
1,2,4,8,11,15,20,26	(0,0,0)(1,1,1)(2,1,0) - - (3,2,0)(4,3,0)(5,4,0)
1,2,4,8,11,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1)
1,2,4,8,11,16,4,8	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(1,1,0)(2,2,1)
1,2,4,8,11,16,4,8,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(2,2,1)
1,2,4,8,11,16, 4,8,11,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(3,2,0)(2,2,1)
1,2,4,8,11,16,4,8,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,0)
1,2,4,8,11,16, 4,8,11,15,20	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,0) - - (2,2,1)(3,2,0)(4,3,0)(5,4,0)
1,2,4,8,11,16,4,8,11,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,1)
1,2,4,8,11,16,7,12,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,1) - - (2,2,0)(3,3,1)(4,2,0)
1,2,4,8,11,16,7,12,16,21	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,1) - - (2,2,0)(3,3,1)(4,3,0)(5,4,0)
1,2,4,8,11,16,7,12,16,22	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,0)(2,2,1)(3,2,0)(4,3,1) - - (2,2,0)(3,3,1)(4,3,0)(5,4,1)
1,2,4,8,11,16,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1)
1,2,4,8,11,16,8,8	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(1,1,1)(1,1,1)
1,2,4,8,11,16,8,10	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(1,1,1)(2,1,0)

Y 序列	BMS
1,2,4,8,11,16,8,11	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(1,1,0)(2,2,1) - - (3,2,0)(4,3,1)(2,2,1)(3,2,0)
1,2,4,8,11,16,8,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(1,1,1)
1,2,4,8,11,16,8,11,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(2,1,0)(1,1,1)
1,2,4,8,11,16,8,11,12	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(3,0,0)
1,2,4,8,11,16,8,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(3,2,0)
1,2,4,8,11,16,8,11,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(3,2,1)
1,2,4,8,11,16,8,11,16,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (1,1,1)(2,1,0)(3,2,1)(1,1,1)
1,2,4,8,11,16, 8,11,16,8,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1) - - (2,1,0)(3,2,1)(1,1,1)(2,1,0)
1,2,4,8,11,16, 8,11,16,8,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1) - - (2,1,0)(3,2,1)(1,1,1)(2,1,0)(3,2,0)
1,2,4,8,11,16, 8,11,16,8,11,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(1,1,1) - - (2,1,0)(3,2,1)(1,1,1)(2,1,0)(3,2,1)
1,2,4,8,11,16,9	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(2,0,0)
1,2,4,8,11,16,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(2,1,0)
1,2,4,8,11,16,11,8	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(2,1,0)(1,1,1)
1,2,4,8,11,16,11,15	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(2,1,0)(3,2,0)
1,2,4,8,11,16,11,15,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (2,1,0)(3,2,0)(1,1,1)
1,2,4,8,11,16,11,16	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(2,1,0)(3,2,1)
1,2,4,8,11,16,14,19	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(3,1,0)(4,2,1)
1,2,4,8,11,16,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,2,0)
1,2,4,8,11,16,15,19,23	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (3,2,0)(4,2,0)(5,2,0)
1,2,4,8,11,16,15,21	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(3,2,0)(4,3,1)



Y 序列	BMS
1,2,4,8,11,16,15,21,20	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (3,2,0)(4,3,1)(4,3,0)
1,2,4,8,11,16,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(3,2,1)
1,2,4,8,11,16,17	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,0,0)
1,2,4,8,11,16,17,15,21,22	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,0,0)(3,2,0)(4,3,1)(5,0,0)
1,2,4,8,11,16,17,16	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,0,0)(3,2,1)
1,2,4,8,11,16,17,18	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,0,0)(5,0,0)
1,2,4,8,11,16,17,19	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,0,0)(5,1,0)
1,2,4,8,11,16,17,19,23	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,0,0)(5,1,1)
1,2,4,8,11,16,18	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0)
1,2,4,8,11,16,19,8	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(1,1,1)
1,2,4,8,11,16,19,8,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(1,1,1)
1,2,4,8,11,16, 19,8,9,11,15,18,23	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (1,1,1)(2,0,0)(3,1,1)(4,1,0)(5,2,1)
1,2,4,8,11,16,19,8,10	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(2,1,0)
1,2,4,8,11,16,19,8,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(2,1,0)(1,1,1)
1,2,4,8,11,16,19,8,11,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (1,1,1)(2,1,0)(2,1,0)(1,1,1)
1,2,4,8,11,16,19,8,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(2,1,0)(3,2,0)
1,2,4,8,11,16,19,8,11,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(1,1,1)(2,1,0)(3,2,1)
1,2,4,8,11,16, 19,8,11,16,19,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (1,1,1)(2,1,0)(3,2,1)(4,1,0)(1,1,1)
1,2,4,8,11,16,19,9	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(2,0,0)
1,2,4,8,11,16,19,10	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(2,1,0)
1,2,4,8,11,16,19,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(1,1,1)

Y 序列	BMS
1,2,4,8,11,16, 19,11,8,11,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (2,1,0)(1,1,1)(2,1,0)(3,2,1)
1,2,4,8,11,16,19,11,9	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(2,0,0)
1,2,4,8,11,16,19,11,11,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(2,1,0)(1,1,1)
1,2,4,8,11,16,19,11,14,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(3,1,0)(1,1,1)
1,2,4,8,11,16,19,11,15	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(3,2,0)
1,2,4,8,11,16,19,11,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(2,1,0)(3,2,1)
1,2,4,8,11,16, 19,11,16,19,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,1,0) - - (2,1,0)(3,2,1)(4,1,0)(1,1,1)
1,2,4,8,11,16,19,12	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(3,0,0)
1,2,4,8,11,16,19,14,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,1,0)(1,1,1)
1,2,4,8,11,16,19,14,17,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,1,0)(4,1,0)(1,1,1)
1,2,4,8,11,16,19,14,18	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,1,0)(4,2,0)
1,2,4,8,11,16,19,14,19	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,1,0)(4,2,1)
1,2,4,8,11,16,19,15	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(3,2,0)
1,2,4,8,11,16,19,15,21	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,2,0)(4,3,1)
1,2,4,8,11,16, 19,15,21,24,20	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(3,2,0)(4,3,1)(5,1,0)(4,3,0)
1,2,4,8,11,16,19,16	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(3,2,1)
1,2,4,8,11,16,19,17	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(4,0,0)
1,2,4,8,11,16,19,19,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(4,1,0)(1,1,1)
1,2,4,8,11,16,19,22,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(5,1,0)(1,1,1)
1,2,4,8,11,16,19,23	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(5,2,0)

Y 序列	BMS
1,2,4,8,11,16,19,24	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,1,0)(5,2,1)
1,2,4,8,11,16,19,24,27,8	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,1,0)(5,2,1)(6,1,0)(1,1,1)
1,2,4,8,11,16,20	(0,0,0)(1,1,1)(2,1,0)(3,2,1)(4,2,0)
1,2,4,8,11,16,20,15,21,26	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,2,0)(3,2,0)(4,3,1)(5,3,0)
1,2,4,8,11,16,20,16	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,2,0)(3,2,1)
1,2,4,8,11,16,20,24,16	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,2,0)(5,2,0)(3,2,1)
1,2,4,8,11,16,20,25	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,2,0)(5,3,0)
1,2,4,8,11,16,20,25,31	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,2,0)(5,3,0)(6,4,0)
1,2,4,8,11,16,20,26	(0,0,0)(1,1,1)(2,1,0) - - (3,2,1)(4,2,0)(5,3,1)
1,2,4,8,11,16,20,26,31,38	(0,0,0)(1,1,1)(2,1,0)(3,2,1) - - (4,2,0)(5,3,1)(6,3,0)(7,4,1)
1,2,4,8,12	(0,0,0)(1,1,1)(2,1,1)
1,2,4,8,12,4,8	(0,0,0)(1,1,1)(2,1,1)(1,1,0)(2,2,1)
1,2,4,8,12,4,8,10	(0,0,0)(1,1,1)(2,1,1) - - (1,1,0)(2,2,1)(3,1,0)
1,2,4,8,12,4,8,11	(0,0,0)(1,1,1)(2,1,1) - - (1,1,0)(2,2,1)(3,2,0)
1,2,4,8,12,4,8,11,16	(0,0,0)(1,1,1)(2,1,1)(1,1,0) - - (2,2,1)(3,2,0)(4,3,1)
1,2,4,8,12,4,8,12	(0,0,0)(1,1,1)(2,1,1) - - (1,1,0)(2,2,1)(3,2,1)
1,2,4,8,12,8	(0,0,0)(1,1,1)(2,1,1)(1,1,1)
1,2,4,8,12,8,11,16	(0,0,0)(1,1,1)(2,1,1) - - (1,1,1)(2,1,0)(3,2,1)
1,2,4,8,12,8,11,16,21	(0,0,0)(1,1,1)(2,1,1)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)
1,2,4,8,12,8,11,16,21,15	(0,0,0)(1,1,1)(2,1,1)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(3,2,0)
1,2,4,8,12,8,11,16,21,16	(0,0,0)(1,1,1)(2,1,1)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(3,2,1)

Y 序列	BMS
1,2,4,8,12,8,12	(0,0,0)(1,1,1)(2,1,1)(1,1,1)(2,1,1)
1,2,4,8,12,8,12,8,12	(0,0,0)(1,1,1)(2,1,1)(1,1,1) - - (2,1,1)(1,1,1)(2,1,1)
1,2,4,8,12,9	(0,0,0)(1,1,1)(2,1,1)(2,0,0)
1,2,4,8,12,9,4,8,12,9	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,0)(2,2,1)(3,2,1)(3,0,0)
1,2,4,8,12,9,8	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(1,1,1)
1,2,4,8,12,9,8,11,16	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)
1,2,4,8,12,9,8,11,16,21	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)(4,2,1)
1,2,4,8,12,9, 8,11,16,21,17	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)(4,2,1)(4,0,0)
1,2,4,8,12,9,8,11, 16,21,17,11,16,21,17	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)(4,2,1)(4,0,0) - - (2,1,0)(3,2,1)(4,2,1)(4,0,0)
1,2,4,8,12,9,8,11, 16,21,17,14,19,24,20	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,0)(3,2,1)(4,2,1) - - (4,0,0)(3,1,0)(4,2,1)(5,2,1)(5,0,0)
1,2,4,8,12,9,8, 11,16,21,17,15	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,0,0)(3,2,0)
1,2,4,8,12,9,8, 11,16,21,17,16	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,0,0)(3,2,1)
1,2,4,8,12,9,8,11, 16,21,17,16,20,26,32,27	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,0,0)(3,2,1) - - (4,2,0)(5,3,1)(6,3,1)(6,0,0)
1,2,4,8,12,9,8,12	(0,0,0)(1,1,1)(2,1,1) - - (2,0,0)(1,1,1)(2,1,1)
1,2,4,8,12,9,8,12,9	(0,0,0)(1,1,1)(2,1,1)(2,0,0) - - (1,1,1)(2,1,1)(2,0,0)
1,2,4,8,12,9,9	(0,0,0)(1,1,1)(2,1,1)(2,0,0)(2,0,0)
1,2,4,8,12,10	(0,0,0)(1,1,1)(2,1,1)(2,1,0)
1,2,4,8,12,11,8	(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1)
1,2,4,8,12,11, 8,11,16,21,20	(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,2,0)
1,2,4,8,12,11, 8,11,16,21,20,16	(0,0,0)(1,1,1)(2,1,1)(2,1,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,2,0)(3,2,1)

Y 序列	BMS
1,2,4,8,12,11,8,12	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,0)(1,1,1)(2,1,1)$
1,2,4,8,12,11,9	$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(2,0,0)$
1,2,4,8,12,11,11,8,12	$(0,0,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (2,1,0)(1,1,1)(2,1,1)$
1,2,4,8,12,11,12	$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,0,0)$
1,2,4,8,12,11,14,8,12	$(0,0,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (3,1,0)(1,1,1)(2,1,1)$
1,2,4,8,12,11,14,17,8,12	$(0,0,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (3,1,0)(4,1,0)(1,1,1)(2,1,1)$
1,2,4,8,12,11,15	$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,2,0)$
1,2,4,8,12,11,15,20	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,0)(3,2,0)(4,3,0)$
1,2,4,8,12,11,16	$(0,0,0)(1,1,1)(2,1,1)(2,1,0)(3,2,1)$
1,2,4,8,12,11,16,20,16	$(0,0,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (3,2,1)(4,2,0)(3,2,1)$
1,2,4,8,12,11,16,20,26	$(0,0,0)(1,1,1)(2,1,1)(2,1,0) -$ $- (3,2,1)(4,2,0)(5,3,1)$
1,2,4,8,12,11,16,21	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,0)(3,2,1)(4,2,1)$
1,2,4,8,12,12	$(0,0,0)(1,1,1)(2,1,1)(2,1,1)$
1,2,4,8,12,12,8,12	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,1)(1,1,1)(2,1,1)$
1,2,4,8,12,12,8,12,9	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(2,0,0)$
1,2,4,8,12,12,8,12,10	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(2,1,0)$
1,2,4,8,12,12, 8,12,11,8,12	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(2,1,0)(1,1,1)(2,1,1)$
1,2,4,8,12,12, 8,12,11,16,21,21	$(0,0,0)(1,1,1)(2,1,1)(2,1,1)(1,1,1) -$ $- (2,1,1)(2,1,0)(3,2,1)(4,2,1)(4,2,1)$
1,2,4,8,12,12,8,12,12	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (1,1,1)(2,1,1)(2,1,1)$
1,2,4,8,12,12,10,8,12	$(0,0,0)(1,1,1)(2,1,1)(2,1,1) -$ $- (2,1,0)(1,1,0)(2,2,1)(3,2,1) -$ $- (3,2,1)(3,1,0)(2,2,1)(3,2,1)$
1,2,4,8,12,12,11,8	$(0,0,0)(1,1,1)(2,1,1) -$ $- (2,1,1)(2,1,0)(1,1,1)$

Y 序列	BMS
1,2,4,8,12,12,11,8,12	(0,0,0)(1,1,1)(2,1,1)(2,1,1) - - (2,1,0)(1,1,1)(2,1,1)
1,2,4,8,12,12,11,8,12,10	(0,0,0)(1,1,1)(2,1,1)(2,1,1) - - (2,1,0)(1,1,1)(2,1,1)(2,1,0)
1,2,4,8,12,12, 11,8,12,11,16,21,21	(0,0,0)(1,1,1)(2,1,1)(2,1,1) - - (2,1,0)(1,1,1)(2,1,1)(2,1,0) - - (3,2,1)(4,2,1)(4,2,1)
1,2,4,8,12,12,11,8,12, 11,16,21,21,19,24,29,29	(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,0) - - (1,1,1)(2,1,1)(2,1,0)(3,2,1)(4,2,1) - - (4,2,1)(4,1,0)(5,2,1)(6,2,1)(6,2,1)
1,2,4,8,12,12,11,8,12,12	(0,0,0)(1,1,1)(2,1,1)(2,1,1) - - (2,1,0)(1,1,1)(2,1,1)(2,1,1)
1,2,4,8,12,12, 11,14,8,12,12	(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,0) - - (3,1,0)(1,1,1)(2,1,1)(2,1,1)
1,2,4,8,12,12,11,15	(0,0,0)(1,1,1)(2,1,1) - - (2,1,1)(2,1,0)(3,2,0)
1,2,4,8,12,12,11,16,21,21	(0,0,0)(1,1,1)(2,1,1)(2,1,1) - - (2,1,0)(3,2,1)(4,2,1)(4,2,1)
1,2,4,8,12,12,12	(0,0,0)(1,1,1)(2,1,1)(2,1,1)(2,1,1)
1,2,4,8,12,12,12,12	(0,0,0)(1,1,1)(2,1,1) - - (2,1,1)(2,1,1)(2,1,1)
1,2,4,8,12,13	(0,0,0)(1,1,1)(2,1,1)(3,0,0)
1,2,4,8,12,13,15	(0,0,0)(1,1,1)(2,1,1)(3,0,0)(4,1,0)
1,2,4,8,12,13,15,17,19	(0,0,0)(1,1,1)(2,1,1)(3,0,0) - - (4,1,0)(5,1,0)(6,1,0)
1,2,4,8,12,13,15,18	(0,0,0)(1,1,1)(2,1,1) - - (3,0,0)(4,1,0)(5,2,0)
1,2,4,8,12,13,15,19	(0,0,0)(1,1,1)(2,1,1)(3,0,0)(4,1,1)
1,2,4,8,12,13,15,19,23	(0,0,0)(1,1,1)(2,1,1) - - (3,0,0)(4,1,1)(5,1,1)
1,2,4,8,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,14,4	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0)
1,2,4,8,12,14,4,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(1,1,0)(2,2,1)
1,2,4,8,12,14,4,8,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)

Y 序列	BMS
1,2,4,8,12,14,4,8,12,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,0,0)
1,2,4,8,12,14, 4,8,12,13,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,0,0)(5,1,1)
1,2,4,8,12,14,4, 8,12,13,15,19,23	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,0,0)(5,1,1)(6,1,1)
1,2,4,8,12,14,4, 8,12,13,15,19,23,25	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,0,0) - - (5,1,1)(6,1,1)(7,1,0)
1,2,4,8,12,14,4,8, 12,13,15,19,23,25,7	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,0,0) - - (5,1,1)(6,1,1)(7,1,0)(2,2,0)
1,2,4,8,12,14,4,8,12, 13,15,19,23,25,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,0,0) - - (5,1,1)(6,1,1)(7,1,0)(3,2,0)(4,3,0)
1,2,4,8,12,14,4,8,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0)
1,2,4,8,12,14,7	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0)(2,2,0)
1,2,4,8,12,14,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)
1,2,4,8,12,14,8,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1)
1,2,4,8,12,14,8, 12,13,15,19,23,25	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1) - - (4,0,0)(5,1,1)(6,1,1)(7,1,0)
1,2,4,8,12,14,8, 12,13,15,19,23,25,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1) - - (4,0,0)(5,1,1)(6,1,1)(7,1,0)(3,0,0)
1,2,4,8,12,14,8, 12,13,15,19,23,25,10	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(2,2,1)(3,2,1) - - (4,0,0)(5,1,1)(6,1,1)(7,1,0)(3,1,0)
1,2,4,8,12,14,8,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,1,0) - - (2,2,1)(3,2,1)(4,1,0)
1,2,4,8,12,14,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,0,0)
1,2,4,8,12,14,11,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,1,0)(3,2,0)(2,2,1)

Y 序列	BMS
1,2,4,8,12,14,11,8,12,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(3,2,0) -$ $- (2,2,1)(3,2,1)(4,1,0)$
1,2,4,8,12,14, 11,14,8,12,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (1,1,0)(2,2,1)(3,2,1)(4,1,0)(3,2,0) -$ $- (4,2,0)(2,2,1)(3,2,1)(4,1,0)$
1,2,4,8,12,14,11,15	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,0)$
1,2,4,8,12,14,11,16	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(3,2,0)(4,3,1)$
1,2,4,8,12,14,11,16,21,23	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (1,1,0)(2,2,1)(3,2,1)(4,1,0) -$ $- (3,2,0)(4,3,1)(5,3,1)(6,1,0)$
1,2,4,8,12,14,12	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(3,2,1)$
1,2,4,8,12,14,14	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(3,2,1)(4,1,0)$
1,2,4,8,12,14,16	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(4,1,0)$
1,2,4,8,12,14,16,18	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(5,1,0)$
1,2,4,8,12,14,17	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(5,2,0)$
1,2,4,8,12,14,18	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(5,2,1)$
1,2,4,8,12,14,18,22	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,1,0)(5,2,1)(6,2,1)$
1,2,4,8,12,14,18,22,24	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (1,1,0)(2,2,1)(3,2,1)(4,1,0) -$ $- (5,2,1)(6,2,1)(7,1,0)$
1,2,4,8,12,15	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (1,1,0)(2,2,1)(3,2,1)(4,2,0)$
1,2,4,8,12,15,4,8,12,15	$(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,2,0)(1,1,0) -$ $- (2,2,1)(3,2,1)(4,2,0)$
1,2,4,8,12,15,7, 12,17,20,12,17,19	$(0,0,0)(1,1,1)(2,1,1)(3,1,0) -$ $- (1,1,0)(2,2,1)(3,2,1)(4,2,0) -$ $- (2,2,0)(3,3,1)(4,3,1)(5,2,0) -$ $- (3,3,1)(4,3,1)(5,1,0)$



Y 序列	BMS
1,2,4,8,12,15,7,12, 17,20,12,17,19,23,27,30	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,0) - - (2,2,1)(3,2,1)(4,2,0)(2,2,0)(3,3,1) - - (4,3,1)(5,2,0)(3,3,1)(4,3,1) - - (5,1,0)(6,2,1)(7,2,1)(8,2,0)
1,2,4,8,12,15,7,12,17,21	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,0) - - (2,2,0)(3,3,1)(4,3,1)(5,3,0)
1,2,4,8,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,15, 8,11,16,21,25	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)
1,2,4,8,12,15,8,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(1,1,1)(2,1,1)
1,2,4,8,12,15,8,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,15,8,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,15,8, 12,15,8,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,0)(1,1,1) - - (2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,9,4	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,0)
1,2,4,8,12,15,9,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)
1,2,4,8,12,15, 9,8,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0) - - (1,1,1)(2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,15, 9,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,9,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,0,0)(2,0,0)
1,2,4,8,12,15,10	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0)
1,2,4,8,12,15,11,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,0)(1,1,1)
1,2,4,8,12,15, 11,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15, 11,8,12,15,9,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)(2,0,0)
1,2,4,8,12,15, 11,8,12,15,10	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)

Y 序列	BMS
1,2,4,8,12,15,11,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,0)(2,0,0)
1,2,4,8,12,15,11,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,0)(3,0,0)
1,2,4,8,12,15, 11,14,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,11,15	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,0)(3,2,0)
1,2,4,8,12,15,11,16	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,0)(3,2,1)
1,2,4,8,12,15,11,16,21,24	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,1,0)
1,2,4,8,12,15,11,16, 21,24,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,1,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,11,16,21,25	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)
1,2,4,8,12,15, 11,16,21,25,16	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(3,2,1)
1,2,4,8,12,15, 11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,15,11, 16,21,25,20,26,32,37,27	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,0) - - (5,3,1)(6,3,1)(7,3,0)(6,0,0)
1,2,4,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,15,12,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(1,1,1)
1,2,4,8,12,15, 12,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15, 12,8,12,15,9,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)(2,0,0)
1,2,4,8,12,15, 12,8,12,15,10	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)
1,2,4,8,12,15,12,8, 12,15,11,16,21,25,21	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,2,1)
1,2,4,8,12,15,12,8, 12,15,11,16,21,25,21,15	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,2,1)(3,2,0)

Y 序列	BMS
1,2,4,8,12,15, 12,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,15,12,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(2,0,0)
1,2,4,8,12,15, 12,11,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (2,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,15,12, 11,14,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(2,1,0)(3,1,0)(1,1,1) - - (2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,15,12,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(2,1,0)(3,2,0)
1,2,4,8,12,15, 12,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,15, 12,11,16,21,25,21	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)
1,2,4,8,12,15,12,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(2,1,1)
1,2,4,8,12,15,12, 12,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,15,12, 12,11,16,21,25,21,21	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,0)(4,2,1)(4,2,1)
1,2,4,8,12,15,12,12,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(2,1,1)(2,1,1)
1,2,4,8,12,15,12,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,0,0)
1,2,4,8,12,15,12,14	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)
1,2,4,8,12,15,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,15, 12,15,8,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,15, 12,15,8,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,15, 12,15,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15, 12,15,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)

Y 序列	BMS
1,2,4,8,12,15, 12,15,8,12,15,12,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,0,0)
1,2,4,8,12,15,12, 15,8,12,15,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,15,12,15, 8,12,15,12,15,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(1,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,12,15,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,0)(3,2,0)
1,2,4,8,12,15,12, 15,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,15,12, 15,11,16,21,25,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,0)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,15,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,15,12,15,12,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)(3,0,0)
1,2,4,8,12,15,12,15,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)(3,1,0)
1,2,4,8,12,15, 12,15,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,15, 12,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,12, 15,12,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,15, 15,8,12,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0) - - (1,1,1)(2,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,15,15,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,15,15,10,13	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(2,1,0)(3,2,0)

Y 序列	BMS
1,2,4,8,12,15, 15,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,15, 15,11,16,21,25,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,0)(5,2,0)(4,0,0)
1,2,4,8,12,15,15,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,1,1)
1,2,4,8,12,15,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15, 15,12,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0) - - (2,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,15,15,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(3,1,0)(3,0,0)
1,2,4,8,12,15,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,15,15, 15,12,15,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(3,1,0)(2,1,1)(3,1,0) - - (3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,15,15,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (3,1,0)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,15,18,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,15,18,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(2,1,0)(3,2,0)
1,2,4,8,12,15,18,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(2,1,1)
1,2,4,8,12,15,18,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15, 18,12,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,1,0) - - (2,1,1)(3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,15,18,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,15,18,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,15,18,16	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(4,0,0)
1,2,4,8,12,15,18,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(4,1,0)(2,0,0)

Y 序列	BMS
1,2,4,8,12,15, 18,18,15,18,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,1,0) - - (4,1,0)(3,1,0)(4,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,15,18,18,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(4,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,15,18,19	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(5,0,0)
1,2,4,8,12,15,18,21,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(5,1,0)(2,0,0)
1,2,4,8,12,15,18,21,21,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(5,1,0)(5,1,0)(2,0,0)
1,2,4,8,12,15,18,21,24,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,1,0)(5,1,0)(6,1,0)(2,0,0)
1,2,4,8,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,15, 19,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,15, 19,11,16,21,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,0)(3,1,0)(4,2,0)
1,2,4,8,12,15,19,19	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,0)(4,2,0)
1,2,4,8,12,15,19,23,27	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,0)(5,2,0)(6,2,0)
1,2,4,8,12,15,19,24	(0,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,0)(5,3,0)
1,2,4,8,12,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,15,20, 25,28,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,1,0)(1,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,15,20,25,28,9	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,1,0)(2,0,0)
1,2,4,8,12,15,20,25,29	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)
1,2,4,8,12,15,20,25,29,20	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(4,2,1)
1,2,4,8,12,15,20,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,15,20, 25,29,21,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,0)(5,0,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)

Y 序列	BMS
1,2,4,8,12,15, 20,25,29,35,41,46,36	(0,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(7,3,1) - - (8,3,1)(9,3,0)(8,0,0)
1,2,4,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 8,12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16,8,12,15,20, 25,30,20,25,29,35,41,47	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(1,1,1) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(4,2,1)(5,2,1)(6,2,0) - - (7,3,1)(8,3,1)(9,3,1)
1,2,4,8,12,16,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,0,0)
1,2,4,8,12,16,11,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,11,15	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,0)(3,2,0)
1,2,4,8,12,16, 11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16, 12,11,16,21,26,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)
1,2,4,8,12,16,12,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(2,1,1)
1,2,4,8,12,16,12,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,0,0)
1,2,4,8,12,16,12,14	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,16,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,16,12,15, 8,12,15,20,25,30,25,28,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(5,2,1)(6,1,0)(2,0,0)
1,2,4,8,12,16, 12,15,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)

Y 序列	BMS
1,2,4,8,12,16,12,15,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1)
1,2,4,8,12,16,12, 15,9,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,12, 15,9,8,12,15,11,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(2,1,0)(3,2,1)
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,25,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,2,1)
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,0)
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,25,31	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(6,3,1)
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,26,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(4,2,1)
1,2,4,8,12,16,12, 15,9,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,12,15, 9,8,12,15,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,12, 15,9,8,12,15,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(3,1,0)(2,1,1)
1,2,4,8,12,16,12, 15,9,8,12,15,18,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(4,1,0)(2,1,1)



Y 序列	BMS
1,2,4,8,12,16,12, 15,9,8,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16, 12,15,9,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,12, 15,9,8,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16,12, 15,9,8,12,16,12,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,16, 12,15,9,8,12,16,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,12,15,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,0)
1,2,4,8,12,16,12, 15,11,8,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,12,15,11,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,0)(2,0,0)
1,2,4,8,12,16,12,15,11,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,0)(2,1,0)
1,2,4,8,12,16,12,15,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,0)(3,2,0)
1,2,4,8,12,16,12, 15,11,16,21,26,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,12,15,12,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,1)(2,1,1)
1,2,4,8,12,16, 12,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,12, 15,12,15,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16, 12,15,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,1,1)

Y 序列	BMS
1,2,4,8,12,16,12,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,12,15,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(3,1,0)(2,1,1)
1,2,4,8,12,16, 12,15,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,12,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,16, 12,15,20,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16, 12,15,20,25,29,25	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,0)(5,2,1)
1,2,4,8,12,16, 12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16, 12,15,20,25,30,25	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)
1,2,4,8,12,16,12, 15,20,25,30,25,29	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(5,2,1)(6,2,0)
1,2,4,8,12,16,12, 15,20,25,30,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,12,16	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16,12,16,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,16, 12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 12,16,12,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,1,0)(2,0,0)
1,2,4,8,12,16, 12,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,12, 16,12,15,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)

Y 序列	BMS
1,2,4,8,12,16,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 12,16,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 12,16,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,13,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(1,1,1)
1,2,4,8,12,16,13,8,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,16, 13,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,13, 8,12,15,9,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,13, 8,12,15,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,13, 8,12,15,11,16,21,25,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,2,1)
1,2,4,8,12,16,13, 8,12,15,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,13,8, 12,15,11,16,21,26,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,13, 8,12,15,11,16,21,26,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)
1,2,4,8,12,16,13,8,12, 15,11,16,21,26,22,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(2,1,0)(3,2,0)
1,2,4,8,12,16,13,8, 12,15,11,16,21,26,22,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,1,0)

Y 序列	BMS
1,2,4,8,12,16,13,8,12, 15,11,16,21,26,22,14,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,1,0)(4,2,0)
1,2,4,8,12,16,13,8,12, 15,11,16,21,26,22,14,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,1,0)(4,2,1)
1,2,4,8,12,16,13,8, 12,15,11,16,21,26,22,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,2,0)
1,2,4,8,12,16,13,8, 12,15,11,16,21,26,22,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(3,2,1)
1,2,4,8,12,16, 13,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16, 13,8,12,15,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16, 13,8,12,15,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(3,1,0)(2,1,1)
1,2,4,8,12,16, 13,8,12,15,18,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,1,0)(2,1,1)
1,2,4,8,12,16, 13,8,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16, 13,8,12,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,16,13, 8,12,15,20,25,30,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,0,0)
1,2,4,8,12,16,13,8, 12,15,20,25,30,26,11,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,0,0)(2,1,0)(3,2,1)
1,2,4,8,12,16,13,8, 12,15,20,25,30,26,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(2,1,1)
1,2,4,8,12,16,13,8, 12,15,20,25,30,26,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(3,1,0)
1,2,4,8,12,16,13,8, 12,15,20,25,30,26,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,0,0)(3,1,0)(4,2,0)

Y 序列	BMS
1,2,4,8,12,16,13, 8,12,15,20,25,30,26,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(4,1,0)
1,2,4,8,12,16,13, 8,12,15,20,25,30,26,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(4,2,0)
1,2,4,8,12,16,13, 8,12,15,20,25,30,26,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)(4,2,1)
1,2,4,8,12,16,13,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 13,8,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16, 13,8,12,16,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,16, 13,8,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 13,8,12,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,13, 8,12,16,12,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,13, 8,12,16,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,13,8, 12,16,12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16,13,8, 12,16,12,15,20,25,30,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,0,0)
1,2,4,8,12,16, 13,8,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 13,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,13,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(2,0,0)

Y 序列	BMS
1,2,4,8,12,16, 13,11,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,13,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,0)(3,2,0)
1,2,4,8,12,16, 13,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16, 13,11,16,21,26,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)
1,2,4,8,12,16,13,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(2,1,1)
1,2,4,8,12,16,13,12,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,0)
1,2,4,8,12,16, 13,12,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16, 13,12,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16, 13,12,11,16,21,26,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(4,2,1)
1,2,4,8,12,16,13, 12,11,16,21,26,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,13, 12,11,16,21,26,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,13, 12,11,16,21,26,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)
1,2,4,8,12,16,13, 12,11,16,21,26,22,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,0,0)(4,2,1)
1,2,4,8,12,16,13,12,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(2,1,1)
1,2,4,8,12,16,13,12,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,0,0)
1,2,4,8,12,16,13,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 13,12,15,11,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,0)(2,1,0)(3,2,0)

Y 序列	BMS
1,2,4,8,12,16, 13,12,15,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16, 13,12,15,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,13, 12,15,11,16,21,26,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)
1,2,4,8,12,16,13,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,13,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16, 13,12,15,20,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16, 13,12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16, 13,12,15,20,25,30,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)
1,2,4,8,12,16,13, 12,15,20,25,30,26,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,0,0)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,13,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,1)
1,2,4,8,12,16,13,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,13,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(3,0,0)
1,2,4,8,12,16,13,14	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(4,0,0)
1,2,4,8,12,16,13,15	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(4,1,0)
1,2,4,8,12,16, 13,15,19,23,27,24	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(4,1,1)(5,1,1)(6,1,1)(6,0,0)
1,2,4,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16,14,2	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(1,0,0)

Y 序列	BMS
1,2,4,8,12,16,14,4	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(1,1,0)
1,2,4,8,12,16, 14,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0) - - (2,2,1)(3,2,1)(4,2,1)(4,0,0)
1,2,4,8,12,16, 14,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1)(4,2,1) - - (4,1,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0)
1,2,4,8,12,16,14,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,0,0)
1,2,4,8,12,16,14,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,1,0)
1,2,4,8,12,16,14,10,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,1,0)(3,0,0)
1,2,4,8,12,16,14,10,11	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,1,0)(4,0,0)
1,2,4,8,12,16,14,10,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,0)(2,2,1)(3,2,1) - - (4,2,1)(4,1,0)(3,1,0)(4,1,0)
1,2,4,8,12,16, 14,10,14,18,22,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,0,0)
1,2,4,8,12,16, 14,11,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0) - - (3,2,0)(2,2,1)(3,2,1)(4,2,1)(4,1,0)
1,2,4,8,12,16,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,0)(2,2,1)(3,2,1)(4,2,1)(4,2,0)
1,2,4,8,12,16,15,8	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,16, 15,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,1)(3,0,0)



Y 序列	BMS
1,2,4,8,12,16, 15,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16,15,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,9,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,0,0)(1,1,1)
1,2,4,8,12,16, 15,9,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,0,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,9,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16,15,9, 8,12,16,15,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16, 15,9,8,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,9,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,0,0)(2,0,0)
1,2,4,8,12,16,15,10	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,0)
1,2,4,8,12,16, 15,11,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16, 15,11,8,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,11,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,1,0)
1,2,4,8,12,16,15,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,0)
1,2,4,8,12,16,15,11,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)
1,2,4,8,12,16, 15,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16, 15,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16, 15,11,16,21,26,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(4,2,1)(5,2,0)(4,0,0)

Y 序列	BMS
1,2,4,8,12,16, 15,11,16,21,26,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16, 15,11,16,21,26,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,0,0)
1,2,4,8,12,16,15,11, 16,21,26,24,8,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,1,0) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 11,16,21,26,24,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(2,0,0)
1,2,4,8,12,16,15, 11,16,21,26,24,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(3,2,0)
1,2,4,8,12,16,15, 11,16,21,26,24,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(4,2,0)
1,2,4,8,12,16,15, 11,16,21,26,24,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(4,2,1)
1,2,4,8,12,16,15, 11,16,21,26,24,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,15, 11,16,21,26,24,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(4,2,1)(5,2,1)
1,2,4,8,12,16,15, 11,16,21,26,24,21,26,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1) - - (5,1,0)(4,2,1)(5,2,1)(5,0,0)
1,2,4,8,12,16,15, 11,16,21,26,24,28	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,1,0)(6,2,0)
1,2,4,8,12,16,15, 11,16,21,26,25	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,0)
1,2,4,8,12,16,15, 11,16,21,26,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,15,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)

Y 序列	BMS
1,2,4,8,12,16,15, 12,11,16,21,26,25,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(4,2,1)
1,2,4,8,12,16,15,12,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(2,1,1)
1,2,4,8,12,16,15,12,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,0,0)
1,2,4,8,12,16,15,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)
1,2,4,8,12,16,15,12,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,16,15, 12,15,8,12,16,15,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,0)
1,2,4,8,12,16,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,12,15,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,0)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,12,15,18,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,0)(4,1,0)(2,1,1)
1,2,4,8,12,16,15,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15,12,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,16, 15,12,15,20,25,29	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,0)
1,2,4,8,12,16,15, 12,15,20,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,15, 12,15,20,25,29,25	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,0)(5,2,1)
1,2,4,8,12,16, 15,12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16,15, 12,15,20,25,30,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(5,2,1)(6,2,0)(5,0,0)

Y 序列	BMS
1,2,4,8,12,16,15, 12,15,20,25,30,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16,15, 12,15,20,25,30,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,0,0)
1,2,4,8,12,16,15, 12,15,20,25,30,28,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,1,0)(2,0,0)
1,2,4,8,12,16,15, 12,15,20,25,30,29	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)
1,2,4,8,12,16,15, 12,15,20,25,30,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,15,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)
1,2,4,8,12,16,15,12, 16,11,16,21,26,25,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,2,0)(4,2,1)(5,2,1)
1,2,4,8,12,16,15,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16, 15,12,16,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,16, 15,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,12,16,12,15,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,0)
1,2,4,8,12,16, 15,12,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 12,16,12,15,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)
1,2,4,8,12,16,15, 12,16,12,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 12,16,12,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(3,0,0)

Y 序列	BMS
1,2,4,8,12,16,15, 12,16,12,15,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 12,16,12,15,18,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(4,1,0)(2,1,1)
1,2,4,8,12,16,15, 12,16,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15,12, 16,12,15,20,25,30,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16, 15,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 12,16,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 15,12,16,13,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,0,0)
1,2,4,8,12,16, 15,12,16,13,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,1,1)
1,2,4,8,12,16, 15,12,16,13,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,1,1)(3,1,0)
1,2,4,8,12,16, 15,12,16,13,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,12,16,13,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 12,16,13,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 12,16,13,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 12,16,13,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0) - - (2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 15,12,16,13,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)(3,0,0)

Y 序列	BMS
1,2,4,8,12,16,15,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16, 15,12,16,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(1,1,1)
1,2,4,8,12,16, 15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 12,16,15,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16, 15,12,16,15,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 12,16,15,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 12,16,15,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,15, 12,16,15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,12, 16,15,12,16,15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,16,15,13,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)
1,2,4,8,12,16, 15,13,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,13, 8,12,15,11,16,21,26,25,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(5,0,0)
1,2,4,8,12,16, 15,13,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 13,8,12,15,20,25,30,29,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(6,0,0)
1,2,4,8,12,16, 15,13,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)

Y 序列	BMS
1,2,4,8,12,16,15, 13,8,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 13,8,12,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 13,8,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,13,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 15,13,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16, 15,13,8,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 13,8,12,16,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 13,8,12,16,15,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,0)
1,2,4,8,12,16,15, 13,8,12,16,15,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 13,8,12,16,15,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,15, 13,8,12,16,15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 13,8,12,16,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,16,15,13,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,0,0)
1,2,4,8,12,16,15,13,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,0)

Y 序列	BMS
1,2,4,8,12,16,15, 13,11,8,12,16,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,16,15, 13,11,16,21,26,25,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(5,0,0)
1,2,4,8,12,16,15,13,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)
1,2,4,8,12,16, 15,13,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,13,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,13,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16,15, 13,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,13,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,13,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 15,13,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16, 15,13,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,13,12,16,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,13,12,16,15,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 13,12,16,15,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16,15, 13,12,16,15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,0,0)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,13,12,16,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,0,0)(2,1,1)(3,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,16,15,13,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)(3,0,0)



Y 序列	BMS
1,2,4,8,12,16,15,14	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)
1,2,4,8,12,16,15,15,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(1,1,1)
1,2,4,8,12,16, 15,15,8,12,16,15,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)
1,2,4,8,12,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 15,9,8,12,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,15,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,0)
1,2,4,8,12,16,15, 15,11,8,12,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,15,11,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,0)(3,2,1)
1,2,4,8,12,16, 15,15,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16, 15,15,11,16,21,26,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,15, 15,11,16,21,26,25,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,2,0)(5,2,0)(4,0,0)
1,2,4,8,12,16,15,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,15,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,15,12,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,16,15, 15,12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16,15, 15,12,15,20,25,30,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,0)(5,0,0)

Y 序列	BMS
1,2,4,8,12,16,15,15, 12,15,20,25,30,29,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(6,2,0)(5,0,0)
1,2,4,8,12,16,15,15,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,15,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16,15, 15,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 15,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,15,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 15,15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,15,12,16,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 15,12,16,15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 15,12,16,15,13,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,16,15, 15,12,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,15,12, 16,15,15,12,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(3,0,0)
1,2,4,8,12,16,15,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,16	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,16,15,16,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)
1,2,4,8,12,16, 15,16,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)

Y 序列	BMS
1,2,4,8,12,16,15,16,8, 12,15,11,16,21,26,25,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(6,0,0)
1,2,4,8,12,16, 15,16,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,16,8,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15, 16,8,12,15,20,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,15, 16,8,12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16,15, 16,8,12,15,20,25,30,29,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,0,0)
1,2,4,8,12,16,15,16,8, 12,15,20,25,30,29,30,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,0,0)(4,2,0)
1,2,4,8,12,16, 15,16,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 16,8,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 16,8,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 16,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,15, 16,8,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 16,8,12,16,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 16,8,12,16,15,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,1)

Y 序列	BMS
1,2,4,8,12,16,15,16, 8,12,16,15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 16,8,12,16,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,16,15, 16,8,12,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 16,8,12,16,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,16,15,16,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,0,0)
1,2,4,8,12,16,15, 16,11,8,12,16,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,16,15,16,11,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,0)(3,2,1)
1,2,4,8,12,16, 15,16,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,15, 16,11,16,21,26,25,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(6,0,0)
1,2,4,8,12,16,15,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)
1,2,4,8,12,16, 15,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,16,12,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,16,15, 16,12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16,15,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,16,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)

Y 序列	BMS
1,2,4,8,12,16, 15,16,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,16,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 15,16,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,16,12,16,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,0,0)(2,1,1)(3,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,16,15,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(3,0,0)
1,2,4,8,12,16,15,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,16,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,16,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(3,1,0)(4,0,0)
1,2,4,8,12,16,15,16,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,0,0)(4,0,0)
1,2,4,8,12,16,15,17	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,1,0)
1,2,4,8,12,16,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16,15, 18,9,8,12,16,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(2,0,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16,15,18,10	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(2,1,0)
1,2,4,8,12,16,15, 18,11,16,21,26,25,29,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,2,0)(6,2,0)(4,0,0)
1,2,4,8,12,16,15,18,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(2,1,1)
1,2,4,8,12,16, 15,18,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,18, 12,15,20,25,30,29,33,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,2,0)(7,2,0)(5,0,0)

Y 序列	BMS
1,2,4,8,12,16,15,18,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,18,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 15,18,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,18,12,16,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(2,1,1)(3,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,16, 15,18,12,16,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16,15,18,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(3,0,0)
1,2,4,8,12,16,15,18,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,18,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(3,1,0)(4,0,0)
1,2,4,8,12,16, 15,18,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16,15,18,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(4,0,0)
1,2,4,8,12,16,15,18,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16,15,18,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(5,0,0)
1,2,4,8,12,16,15,18,21,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(5,1,0)(2,0,0)
1,2,4,8,12,16,15,18,21,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,1,0)(5,1,0)(6,0,0)
1,2,4,8,12,16, 15,18,21,24,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,1,0)(5,1,0)(6,1,0)(2,0,0)
1,2,4,8,12,16,15,19	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15,19,8	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)
1,2,4,8,12,16, 15,19,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,15,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)

Y 序列	BMS
1,2,4,8,12,16,15, 19,8,12,15,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,15, 19,8,12,15,11,16,21,26,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(4,2,1)
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,15, 19,8,12,15,11,16,21,26,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,22,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)(4,2,1)
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,22,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,0,0)(5,0,0)
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,25,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(5,0,0)
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,25,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,0) - - (3,2,1)(4,2,1)(5,2,1)(5,2,0)(6,0,0)
1,2,4,8,12,16, 15,19,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16, 15,19,8,12,15,12,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,15,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)
1,2,4,8,12,16,15, 19,8,12,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,19,8,12,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(3,0,0)

Y 序列	BMS
1,2,4,8,12,16, 15,19,8,12,15,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(3,1,0)
1,2,4,8,12,16, 15,19,8,12,15,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,19,8,12,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,16, 15,19,8,12,15,18,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16, 15,19,8,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16, 15,19,8,12,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,16,15, 19,8,12,15,20,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16, 15,19,8,12,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16,15, 19,8,12,15,20,25,30,25	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(5,2,1)
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,35	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,3,0)
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,35,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,3,0)(3,0,0)
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,35,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,3,0)(4,0,0)



Y 序列	BMS
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,35,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,0)(7,3,0)(4,2,0)
1,2,4,8,12,16, 15,19,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 19,8,12,16,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,8,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15, 19,8,12,16,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,19,8,12,16,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,0)(3,2,0)
1,2,4,8,12,16,15,19,8, 12,16,11,16,21,26,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(5,2,0)(6,3,0)
1,2,4,8,12,16, 15,19,8,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16,15,19, 8,12,16,12,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,19, 8,12,16,12,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,12,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 19,8,12,16,12,8,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(1,1,1)(2,1,1)(3,1,1)(2,1,1)

Y 序列	BMS
1,2,4,8,12,16,15, 19,8,12,16,12,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,12,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,0,0)
1,2,4,8,12,16,15, 19,8,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,19, 8,12,16,12,15,9,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,0)(2,0,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 19,8,12,16,12,15,9,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,12,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,12,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,12,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15, 19,8,12,16,12,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,16,15, 19,8,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15,19, 8,12,16,12,16,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)(1,1,1) - - (2,1,1)(3,1,0)(2,0,0)

Y 序列	BMS
1,2,4,8,12,16,15,19, 8,12,16,12,16,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(2,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15,19, 8,12,16,12,16,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 19,8,12,16,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,19, 8,12,16,12,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15,19, 8,12,16,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,19,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,15, 19,8,12,16,13,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,13,8,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,13,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15,19, 8,12,16,13,8,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15,19, 8,12,16,13,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,15, 19,8,12,16,13,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(2,1,0)(3,2,0)

Y 序列	BMS
1,2,4,8,12,16,15,19,8, 12,16,13,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,0,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,15,19, 8,12,16,13,11,16,21,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,0)(3,2,1)(4,2,1)(5,2,1)
1,2,4,8,12,16,15, 19,8,12,16,13,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,13,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,13,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 19,8,12,16,13,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,0,0)(3,0,0)
1,2,4,8,12,16, 15,19,8,12,16,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16, 15,19,8,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,15,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,0)(3,2,0)
1,2,4,8,12,16,15, 19,8,12,16,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,15,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,15,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15, 19,8,12,16,15,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,1)

Y 序列	BMS
1,2,4,8,12,16,15,19, 8,12,16,15,12,16,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(2,1,0)(3,2,0)
1,2,4,8,12,16,15, 19,8,12,16,15,12,16,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(2,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16,15,19,8, 12,16,15,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,19,8, 12,16,15,12,16,12,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,1,1)
1,2,4,8,12,16,15,19,8, 12,16,15,12,16,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15,19, 8,12,16,15,12,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16,15, 19,8,12,16,15,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16,15,19, 8,12,16,15,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,16,15, 19,8,12,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,15,15,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(2,1,1)
1,2,4,8,12,16,15, 19,8,12,16,15,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(3,0,0)
1,2,4,8,12,16,15, 19,8,12,16,15,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(3,1,0)(3,1,0)(2,0,0)

Y 序列	BMS
1,2,4,8,12,16,15, 19,8,12,16,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,16,15, 19,8,12,16,15,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,1,0)
1,2,4,8,12,16,15, 19,8,12,16,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16,15, 19,8,12,16,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15,19,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,0)
1,2,4,8,12,16,15, 19,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,15, 19,11,16,21,26,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16,15, 19,11,16,21,26,25,29,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(6,2,0)(4,0,0)
1,2,4,8,12,16,15, 19,11,16,21,26,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,0)(3,2,1) - - (4,2,1)(5,2,1)(5,2,0)(6,3,0)
1,2,4,8,12,16,15,19,12	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,1)
1,2,4,8,12,16, 15,19,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,15,19,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,1)(3,1,1)
1,2,4,8,12,16, 15,19,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(2,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,19,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 15,19,12,16,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(2,1,1)(3,1,1)(3,1,0)(4,2,0)

Y 序列	BMS
1,2,4,8,12,16,15,19,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(3,1,0)(4,2,0)
1,2,4,8,12,16,15,19,18,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(4,1,0)(5,2,0)
1,2,4,8,12,16,15,19,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(4,2,0)
1,2,4,8,12,16,15,19,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,0,0)
1,2,4,8,12,16,15, 19,22,8,12,16,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,15,19,23	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,2,0)
1,2,4,8,12,16, 15,19,23,26,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(5,2,0)(6,1,0)(2,0,0)
1,2,4,8,12,16, 15,19,23,26,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,0)(5,2,0)(6,1,0)(5,0,0)
1,2,4,8,12,16,15,19,23,27	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,2,0)(6,2,0)
1,2,4,8,12,16,15, 19,23,27,19,23,27	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,2,0)(6,2,0) - - (4,2,0)(5,2,0)(6,2,0)
1,2,4,8,12,16,15,19,24	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,0)(5,3,0)
1,2,4,8,12,16,15,20	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,0)(4,2,1)
1,2,4,8,12,16,15,20,25	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)
1,2,4,8,12,16,15,20,25,27	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,1,0)
1,2,4,8,12,16, 15,20,25,28,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,1,0)(2,0,0)
1,2,4,8,12,16,15,20,25,29	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,0)
1,2,4,8,12,16, 15,20,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,15,20,25,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)
1,2,4,8,12,16, 15,20,25,30,29,34	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,0)(7,3,0)

Y 序列	BMS
1,2,4,8,12,16,15, 20,25,30,29,34,39,44	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1) - - (6,2,0)(7,3,0)(8,3,0)(9,3,0)
1,2,4,8,12,16,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)
1,2,4,8,12,16, 16,8,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 16,8,12,15,20,25,30,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,1)
1,2,4,8,12,16,16, 8,12,15,20,25,30,30,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,1)(4,2,0)
1,2,4,8,12,16,16,8,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 16,8,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 16,8,12,16,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,16, 8,12,16,15,20,25,30,30	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1) - - (3,1,0)(4,2,1)(5,2,1)(6,2,1)(6,2,1)
1,2,4,8,12,16,16,8,12, 16,15,20,25,30,30,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,1)(6,2,1)(2,1,0)(3,2,0)
1,2,4,8,12,16,16,8, 12,16,15,20,25,30,30,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (1,1,1)(2,1,1)(3,1,1)(3,1,0) - - (4,2,1)(5,2,1)(6,2,1)(6,2,1)(4,2,0)
1,2,4,8,12,16, 16,8,12,16,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(1,1,1)(2,1,1)(3,1,1)(3,1,1)
1,2,4,8,12,16,16,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(2,0,0)
1,2,4,8,12,16, 16,11,8,12,16,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1)
1,2,4,8,12,16,16,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,0)(3,2,0)
1,2,4,8,12,16,16,11,15,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,0)(3,2,0)(4,3,0)
1,2,4,8,12,16,16,11,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,0)(3,2,1)



Y 序列	BMS
1,2,4,8,12,16, 16,11,16,21,25	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)
1,2,4,8,12,16, 16,11,16,21,25,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,0)(4,0,0)
1,2,4,8,12,16, 16,11,16,21,26,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,1)
1,2,4,8,12,16,16,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(2,1,1)
1,2,4,8,12,16,16,12,14	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)
1,2,4,8,12,16,16, 12,15,8,12,16,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(1,1,1) - - (2,1,1)(3,1,1)(3,1,1)
1,2,4,8,12,16,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,16,12,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,16, 12,15,20,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,1) - - (5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,16,12, 15,20,25,30,30,25,29,21	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,0)(4,2,1)(5,2,1) - - (6,2,1)(6,2,1)(5,2,1)(6,2,0)(5,0,0)
1,2,4,8,12,16,16,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,1)
1,2,4,8,12,16, 16,12,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,16,12,16,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 16,12,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16, 16,12,16,15,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16, 16,12,16,15,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,0,0)
1,2,4,8,12,16, 16,12,16,15,18,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16, 16,12,16,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,1)(3,1,0)(4,2,0)

Y 序列	BMS
1,2,4,8,12,16,16,12,16,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,1)(3,1,1)
1,2,4,8,12,16, 16,12,16,16,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(2,1,1)(3,1,1)(3,1,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,16,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(3,0,0)
1,2,4,8,12,16, 16,13,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(3,1,1) - - (3,0,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,16,14	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(3,1,0)
1,2,4,8,12,16,16,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,16,15,13	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(3,1,0)(3,0,0)
1,2,4,8,12,16,16,15,19	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(3,1,0)(4,2,0)
1,2,4,8,12,16,16,16	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(3,1,1)(3,1,1)
1,2,4,8,12,16,16,16,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (3,1,1)(3,1,1)(3,1,1)
1,2,4,8,12,16,17	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,0,0)
1,2,4,8,12,16, 17,19,23,27,31	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,0,0)(5,1,1)(6,1,1)(7,1,1)
1,2,4,8,12,16,18	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0)
1,2,4,8,12,16,19,9	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(2,0,0)
1,2,4,8,12,16,19,10	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(2,1,0)
1,2,4,8,12,16,19,11,15	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,0)(3,2,0)
1,2,4,8,12,16, 19,11,16,21,26,26	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(5,2,1)
1,2,4,8,12,16, 19,11,16,21,26,27	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,0,0)
1,2,4,8,12,16, 19,11,16,21,26,28	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,1,0)

Y 序列	BMS
1,2,4,8,12,16,19,11, 16,21,26,29,8,12,16,19,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,0) - - (2,1,0)(3,2,1)(4,2,1)(5,2,1)(6,1,0) - - (1,1,1)(2,1,1)(3,1,1)(4,1,0)(2,0,0)
1,2,4,8,12,16,19, 11,16,21,26,30,22	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,0)(3,2,1)(4,2,1) - - (5,2,1)(6,2,0)(4,0,0)
1,2,4,8,12,16,19,12	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(2,1,1)
1,2,4,8,12,16,19,12,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,1)(3,1,0)(2,0,0)
1,2,4,8,12,16,19,12,16	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,1)(3,1,1)
1,2,4,8,12,16, 19,12,16,19,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(2,1,1)(3,1,1)(4,1,0)(2,0,0)
1,2,4,8,12,16,19,13	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(3,0,0)
1,2,4,8,12,16,19,15,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(3,1,0)(2,0,0)
1,2,4,8,12,16,19,16	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(3,1,1)
1,2,4,8,12,16,19,16,19,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(3,1,1)(4,1,0)(2,0,0)
1,2,4,8,12,16,19,17	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(4,0,0)
1,2,4,8,12,16,19,19,9	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(4,1,0)(2,0,0)
1,2,4,8,12,16,19,23	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,0)(5,2,0)
1,2,4,8,12,16,19,24,29,34	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,0)(5,2,1)(6,2,1)(7,2,1)
1,2,4,8,12,16,20	(0,0,0)(1,1,1)(2,1,1)(3,1,1)(4,1,1)
1,2,4,8,12,16,20,24	(0,0,0)(1,1,1)(2,1,1) - - (3,1,1)(4,1,1)(5,1,1)
1,2,4,8,12,16,20,24,28	(0,0,0)(1,1,1)(2,1,1)(3,1,1) - - (4,1,1)(5,1,1)(6,1,1)
1,2,4,8,13	(0,0,0)(1,1,1)(2,2,0)
1,2,4,8,13,8	(0,0,0)(1,1,1)(2,2,0)(1,1,1)
1,2,4,8,13,8,12	(0,0,0)(1,1,1)(2,2,0)(1,1,1)(2,1,1)

Y 序列	BMS
1,2,4,8,13,8,12,16	(0,0,0)(1,1,1)(2,2,0) - - (1,1,1)(2,1,1)(3,1,1)
1,2,4,8,13,8,13	(0,0,0)(1,1,1)(2,2,0)(1,1,1)(2,2,0)
1,2,4,8,13,8,13,8,13	(0,0,0)(1,1,1)(2,2,0)(1,1,1) - - (2,2,0)(1,1,1)(2,2,0)
1,2,4,8,13,9	(0,0,0)(1,1,1)(2,2,0)(2,0,0)
1,2,4,8,13,9,11,15,20	(0,0,0)(1,1,1)(2,2,0) - - (2,0,0)(3,1,1)(4,2,0)
1,2,4,8,13,10	(0,0,0)(1,1,1)(2,2,0)(2,1,0)
1,2,4,8,13,11	(0,0,0)(1,1,1)(2,2,0)(2,1,0)(3,2,0)
1,2,4,8,13,11,16,19	(0,0,0)(1,1,1)(2,2,0) - - (2,1,0)(3,2,1)(4,3,0)
1,2,4,8,13,12	(0,0,0)(1,1,1)(2,2,0)(2,1,1)
1,2,4,8,13,12,16	(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,1,1)
1,2,4,8,13,12,17	(0,0,0)(1,1,1)(2,2,0)(2,1,1)(3,2,0)
1,2,4,8,13,12,17,16,21	(0,0,0)(1,1,1)(2,2,0)(2,1,1) - - (3,2,0)(3,1,1)(4,2,0)
1,2,4,8,13,13	(0,0,0)(1,1,1)(2,2,0)(2,2,0)
1,2,4,8,13,13,13	(0,0,0)(1,1,1)(2,2,0)(2,2,0)(2,2,0)
1,2,4,8,13,14	(0,0,0)(1,1,1)(2,2,0)(3,0,0)
1,2,4,8,13,15	(0,0,0)(1,1,1)(2,2,0)(3,1,0)
1,2,4,8,13,16	(0,0,0)(1,1,1)(2,2,0)(3,1,0) - - (1,1,0)(2,2,1)(3,3,0)(4,2,0)
1,2,4,8,13,17	(0,0,0)(1,1,1)(2,2,0)(3,1,1)
1,2,4,8,13,18	(0,0,0)(1,1,1)(2,2,0)(3,2,0)
1,2,4,8,13,18,21,9	(0,0,0)(1,1,1)(2,2,0) - - (3,2,0)(4,1,0)(2,0,0)
1,2,4,8,13,18,22	(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,1,1)
1,2,4,8,13,18,23	(0,0,0)(1,1,1)(2,2,0)(3,2,0)(4,2,0)
1,2,4,8,13,19	(0,0,0)(1,1,1)(2,2,0)(3,3,0)
1,2,4,8,13,19,26	(0,0,0)(1,1,1)(2,2,0)(3,3,0)(4,4,0)

Y 序列	BMS
1,2,4,8,13,20	(0,0,0)(1,1,1)(2,2,0)(3,3,1)
1,2,4,8,13,20,26,20	(0,0,0)(1,1,1)(2,2,0) - - (3,3,1)(4,3,0)(3,3,1)
1,2,4,8,13,20,27	(0,0,0)(1,1,1)(2,2,0)(3,3,1)(4,3,1)
1,2,4,8,13,20,27,33,21	(0,0,0)(1,1,1)(2,2,0)(3,3,1) - - (4,3,1)(5,3,0)(4,0,0)
1,2,4,8,13,20,28	(0,0,0)(1,1,1)(2,2,0)(3,3,1)(4,4,0)
1,2,4,8,13,20,28,38	(0,0,0)(1,1,1)(2,2,0) - - (3,3,1)(4,4,0)(5,5,1)
1,2,4,8,13,20,28,38,49,62	(0,0,0)(1,1,1)(2,2,0)(3,3,1) - - (4,4,0)(5,5,1)(6,6,0)(7,7,1)
1,2,4,8,14	(0,0,0)(1,1,1)(2,2,1)
1,2,4,8,14,8,14	(0,0,0)(1,1,1)(2,2,1)(1,1,1)(2,2,1)
1,2,4,8,14,11, 8,13,20,29,23,9	(0,0,0)(1,1,1)(2,2,1)(2,1,0) - - (1,1,1)(2,2,0)(3,3,1)(4,4,1)
1,2,4,8,14,11, 8,13,20,29,23,9	(0,0,0)(1,1,1)(2,2,1)(2,1,0)(1,1,1) - - (2,2,0)(3,3,1)(4,4,1)(4,1,0)(2,0,0)
1,2,4,8,14,12	(0,0,0)(1,1,1)(2,2,1)(2,1,1)
1,2,4,8,14,12,17	(0,0,0)(1,1,1)(2,2,1)(2,1,1)(3,2,0)
1,2,4,8,14,12,17,24	(0,0,0)(1,1,1)(2,2,1) - - (2,1,1)(3,2,0)(4,3,1)
1,2,4,8,14,12,17,24,33	(0,0,0)(1,1,1)(2,2,1)(2,1,1) - - (3,2,0)(4,3,1)(5,4,1)
1,2,4,8,14,12,18	(0,0,0)(1,1,1)(2,2,1)(2,1,1)(3,2,1)
1,2,4,8,14,12,18,9	(0,0,0)(1,1,1)(2,2,1) - - (2,1,1)(3,2,1)(2,0,0)
1,2,4,8,14,12,18,12	(0,0,0)(1,1,1)(2,2,1) - - (2,1,1)(3,2,1)(2,1,1)
1,2,4,8,14,12,18,12,18	(0,0,0)(1,1,1)(2,2,1)(2,1,1) - - (3,2,1)(2,1,1)(3,2,1)
1,2,4,8,14,12,18,13	(0,0,0)(1,1,1)(2,2,1) - - (2,1,1)(3,2,1)(3,0,0)
1,2,4,8,14,12,18,15,9	(0,0,0)(1,1,1)(2,2,1)(2,1,1) - - (3,2,1)(3,1,0)(2,0,0)
1,2,4,8,14,12,18,16	(0,0,0)(1,1,1)(2,2,1) - - (2,1,1)(3,2,1)(3,1,1)

Y 序列	BMS
1,2,4,8,14,12,18,16,22	(0,0,0)(1,1,1)(2,2,1)(2,1,1) - - (3,2,1)(3,1,1)(4,2,1)
1,2,4,8,14,12, 18,16,22,20,26	(0,0,0)(1,1,1)(2,2,1)(2,1,1) - - (3,2,1)(3,1,1)(4,2,1)(4,1,1)(5,2,1)
1,2,4,8,14,13	(0,0,0)(1,1,1)(2,2,1)(2,2,0)
1,2,4,8,14,13,18	(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,2,0)
1,2,4,8,14,13,18,23	(0,0,0)(1,1,1)(2,2,1) - - (2,2,0)(3,2,0)(4,2,0)
1,2,4,8,14,13,20	(0,0,0)(1,1,1)(2,2,1)(2,2,0)(3,3,1)
1,2,4,8,14,13,20,24	(0,0,0)(1,1,1)(2,2,1) - - (2,2,0)(3,3,1)(4,1,1)
1,2,4,8,14,13,20,25	(0,0,0)(1,1,1)(2,2,1) - - (2,2,0)(3,3,1)(4,2,0)
1,2,4,8,14,13,20,26,20	(0,0,0)(1,1,1)(2,2,1)(2,2,0) - - (3,3,1)(4,3,0)(3,3,1)
1,2,4,8,14,13,20,29	(0,0,0)(1,1,1)(2,2,1) - - (2,2,0)(3,3,1)(4,4,1)
1,2,4,8,14,13,20,29,20	(0,0,0)(1,1,1)(2,2,1)(2,2,0) - - (3,3,1)(4,4,1)(3,3,1)
1,2,4,8,14,14	(0,0,0)(1,1,1)(2,2,1)(2,2,1)
1,2,4,8,14,14,12,15,9	(0,0,0)(1,1,1)(2,2,1)(2,2,1) - - (2,1,1)(3,1,0)(2,0,0)
1,2,4,8,14,14,14	(0,0,0)(1,1,1)(2,2,1)(2,2,1)(2,2,1)
1,2,4,8,14,15	(0,0,0)(1,1,1)(2,2,1)(3,0,0)
1,2,4,8,14,15,13	(0,0,0)(1,1,1)(2,2,1)(3,0,0)(2,2,0)
1,2,4,8,14,15,14,13	(0,0,0)(1,1,1)(2,2,1) - - (3,0,0)(2,2,1)(2,2,0)
1,2,4,8,14,15,14,15	(0,0,0)(1,1,1)(2,2,1) - - (3,0,0)(2,2,1)(3,0,0)
1,2,4,8,14,15,15	(0,0,0)(1,1,1)(2,2,1)(3,0,0)(3,0,0)
1,2,4,8,14,16	(0,0,0)(1,1,1)(2,2,1)(3,1,0)
1,2,4,8,14,17	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (1,1,0)(2,2,1)(3,3,1)(4,2,0)
1,2,4,8,14,17,8	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(1,1,1)

Y 序列	BMS
1,2,4,8,14,17,8,12,16	(0,0,0)(1,1,1)(2,2,1) - - (3,1,0)(1,1,1)(2,1,1)(3,1,1)
1,2,4,8,14,17,8,12,16,16	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (1,1,1)(2,1,1)(3,1,1)(3,1,1)
1,2,4,8,14,17,8,14	(0,0,0)(1,1,1)(2,2,1) - - (3,1,0)(1,1,1)(2,2,1)
1,2,4,8,14,17,8,14,14	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (1,1,1)(2,2,1)(2,2,1)
1,2,4,8,14,17,8,14,15	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (1,1,1)(2,2,1)(3,0,0)
1,2,4,8,14,17,9	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,0,0)
1,2,4,8,14,17,11,15	(0,0,0)(1,1,1)(2,2,1) - - (3,1,0)(2,1,0)(3,2,0)
1,2,4,8,14,17,13	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,0)
1,2,4,8,14,17,14	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(2,2,1)
1,2,4,8,14,17,21	(0,0,0)(1,1,1)(2,2,1)(3,1,0)(4,2,0)
1,2,4,8,14,17,22,29,33	(0,0,0)(1,1,1)(2,2,1)(3,1,0) - - (4,2,1)(5,3,1)(6,2,0)
1,2,4,8,14,18	(0,0,0)(1,1,1)(2,2,1)(3,1,1)
1,2,4,8,14,18,12,18,22	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (2,1,1)(3,2,1)(4,1,1)
1,2,4,8,14,18,13	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(2,2,0)
1,2,4,8,14,18,14	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(2,2,1)
1,2,4,8,14,18,14,18	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(2,2,1)(3,1,1)
1,2,4,8,14,18,18	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(3,1,1)
1,2,4,8,14,18,22	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,1,1)
1,2,4,8,14,18,23	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,0)
1,2,4,8,14,18,23,30	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,0)(5,3,1)
1,2,4,8,14,18,24	(0,0,0)(1,1,1)(2,2,1)(3,1,1)(4,2,1)
1,2,4,8,14,18,24,14	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(2,2,1)

Y 序列	BMS
1,2,4,8,14,18,24,14,18	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(2,2,1)(3,1,1)
1,2,4,8,14,18,24,14,18,24	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(2,2,1)(3,1,1)(4,2,1)
1,2,4,8,14,18,24,18	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(3,1,1)
1,2,4,8,14,18,24,18,24	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(3,1,1)(4,2,1)
1,2,4,8,14,18,24,22,28	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(4,1,1)(5,2,1)
1,2,4,8,14,18,24,23	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(4,2,0)
1,2,4,8,14,18,24,24	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(4,2,1)
1,2,4,8,14,18,24,25	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(5,0,0)
1,2,4,8,14,18,24,27,9	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(5,1,0)(2,0,0)
1,2,4,8,14,18,24,28	(0,0,0)(1,1,1)(2,2,1) - - (3,1,1)(4,2,1)(5,1,1)
1,2,4,8,14,18,24,28,33	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(5,1,1)(6,2,0)
1,2,4,8,14,18,24,28,34	(0,0,0)(1,1,1)(2,2,1)(3,1,1) - - (4,2,1)(5,1,1)(6,2,1)
1,2,4,8,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,0)
1,2,4,8,14,19,8,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (1,1,1)(2,2,1)(3,2,0)
1,2,4,8,14,19,11,8,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(1,1,1)(2,2,1)(3,2,0)
1,2,4,8,14,19,11,15	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,1,0)(3,2,0)
1,2,4,8,14,19,11,16	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,1,0)(3,2,1)
1,2,4,8,14,19,11,16,23	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)
1,2,4,8,14,19,11,16,23,24	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,0,0)
1,2,4,8,14,19, 11,16,23,27,17	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,2,0)(4,0,0)



Y 序列	BMS
1,2,4,8,14,19,11, 16,23,28,35,39,17	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,2,1) - - (6,3,1)(7,2,0)(4,0,0)
1,2,4,8,14,19,11,16,23,29	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,3,0)
1,2,4,8,14,19,11, 16,23,29,20,26,34,41	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,1,0)(3,2,1)(4,3,1)(5,3,0) - - (4,2,0)(5,3,1)(6,4,1)(7,4,0)
1,2,4,8,14,19,12	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,1,1)
1,2,4,8,14,19,13	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,0)
1,2,4,8,14,19,14,13	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,2,1)(2,2,0)
1,2,4,8,14,19,14,15	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,2,1)(3,0,0)
1,2,4,8,14,19,14,17,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,1,0)(2,0,0)
1,2,4,8,14,19,14,18,24,29	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0)
1,2,4,8,14,19,14, 18,24,29,24,27,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0) - - (4,2,1)(5,1,0)(2,0,0)
1,2,4,8,14,19,14, 18,24,29,24,28,34,39	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0) - - (4,2,1)(5,1,1)(6,2,1)(7,2,0)
1,2,4,8,14,19,14,19	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(2,2,1)(3,2,0)
1,2,4,8,14,19,14,19,11,15	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,2,0)(2,1,0)(3,2,0)
1,2,4,8,14,19,14, 19,11,16,23,29	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(2,2,1) - - (3,2,0)(2,1,0)(3,2,1)(4,3,1)(5,3,0)
1,2,4,8,14,19,14, 19,11,16,23,29,23,29	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,2,0)(2,1,0)(3,2,1) - - (4,3,1)(5,3,0)(4,3,1)(5,3,0)
1,2,4,8,14,19, 14,19,14,18,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,2,0)(2,2,1)(3,1,0)(2,0,0)
1,2,4,8,14,19,14,19,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (2,2,1)(3,2,0)(2,2,1)(3,2,0)
1,2,4,8,14,19,15	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,0,0)

Y 序列	BMS
1,2,4,8,14,19,17,9	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(3,1,0)(2,0,0)
1,2,4,8,14,19,17,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (3,1,0)(2,2,1)(3,2,0)
1,2,4,8,14,19,18	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,1,1)
1,2,4,8,14,19,18,24,25	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (3,1,1)(4,2,1)(5,0,0)
1,2,4,8,14,19,18,24,29	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (3,1,1)(4,2,1)(5,2,0)
1,2,4,8,14,19, 18,24,29,32,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (3,1,1)(4,2,1)(5,2,0)(5,1,0)(2,0,0)
1,2,4,8,14,19,19	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(3,2,0)
1,2,4,8,14,19,22,9	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,1,0)(2,0,0)
1,2,4,8,14,19, 22,14,19,22,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,1,0) - - (2,2,1)(3,2,0)(4,1,0)(2,0,0)
1,2,4,8,14,19,22,19,22,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,1,0)(3,2,0)(4,1,0)(2,0,0)
1,2,4,8,14,19,22,25,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,1,0)(5,1,0)(2,0,0)
1,2,4,8,14,19,22,26	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,1,0)(5,2,0)
1,2,4,8,14,19,23,29,34	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,1,1)(5,2,1)(6,2,0)
1,2,4,8,14,19, 23,29,34,37,9	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,1,1)(5,2,1)(6,2,0)(7,1,0)(2,0,0)
1,2,4,8,14,19,24	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,2,0)
1,2,4,8,14,19,25	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,3,0)
1,2,4,8,14,19,25,31,37	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,0)(5,3,0)(6,3,0)
1,2,4,8,14,19,26	(0,0,0)(1,1,1)(2,2,1)(3,2,0)(4,3,1)
1,2,4,8,14,19,26,27	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,3,1)(5,0,0)
1,2,4,8,14,19,26,29,33	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,0)
1,2,4,8,14,19,26,29,34	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,1)

Y 序列	BMS
1,2,4,8,14,19,26,29,34,39	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,1)(7,2,1)
1,2,4,8,14,19,26,29,34,41	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,1)(7,3,1)
1,2,4,8,14,19, 26,29,34,41,47	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,0)(6,2,1)(7,3,1)(8,3,0)
1,2,4,8,14,19,26,30	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,3,1)(5,1,1)
1,2,4,8,14,19,26,30,36,41	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,1,1)(6,2,1)(7,2,0)
1,2,4,8,14,19,26,31	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,3,1)(5,2,0)
1,2,4,8,14,19,26,32,26	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,3,0)(4,3,1)
1,2,4,8,14,19,26,33	(0,0,0)(1,1,1)(2,2,1) - - (3,2,0)(4,3,1)(5,4,1)
1,2,4,8,14,19,26,33,34	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,4,1)(6,0,0)
1,2,4,8,14,19,26,33,39	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,4,1)(6,3,0)(5,0,0)
1,2,4,8,14,19,26,33,41	(0,0,0)(1,1,1)(2,2,1)(3,2,0) - - (4,3,1)(5,4,1)(6,4,0)
1,2,4,8,14,20	(0,0,0)(1,1,1)(2,2,1)(3,2,1)
1,2,4,8,14,20,8,12	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(1,1,1)(2,1,1)
1,2,4,8,14,20,8,14	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(1,1,1)(2,2,1)
1,2,4,8,14,20,8,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (1,1,1)(2,2,1)(3,2,0)
1,2,4,8,14,20,8,14,20	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (1,1,1)(2,2,1)(3,2,1)
1,2,4,8,14,20,13	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,0)
1,2,4,8,14,20,13,18,23	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,0)(3,2,0)(4,2,0)
1,2,4,8,14,20,14	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)
1,2,4,8,14,20,14,15	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)(3,0,0)

Y 序列	BMS
1,2,4,8,14,20,14,17,9	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,0)(2,0,0)
1,2,4,8,14,20,14,18	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)(3,1,1)
1,2,4,8,14,20,14,18,24	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)
1,2,4,8,14,20,14,18,24,29	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0)
1,2,4,8,14,20, 14,18,24,29,35	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)(5,2,0)(6,3,0)
1,2,4,8,14,20, 14,18,24,29,36	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1) - - (3,1,1)(4,2,1)(5,2,0)(6,3,1)
1,2,4,8,14,20,14,18,24,30	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)(5,2,1)
1,2,4,8,14,20, 14,18,24,30,24,27,9	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,1,1)(4,2,1)(5,2,1) - - (4,2,1)(5,1,0)(2,0,0)
1,2,4,8,14,20,14,19	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)(3,2,0)
1,2,4,8,14,20, 14,19,25,31,37	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,0)(4,3,0)(5,3,0)(6,3,0)
1,2,4,8,14,20,14,20	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(2,2,1)(3,2,1)
1,2,4,8,14,20, 14,20,13,18,23	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,0)(3,2,0)(4,2,0)
1,2,4,8,14,20, 14,20,14,17,9	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,1,0)(2,0,0)
1,2,4,8,14,20, 14,20,14,18,24,29	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1) - - (3,2,1)(2,2,1)(3,1,1)(4,2,1)(5,2,0)
1,2,4,8,14,20,14, 20,14,18,24,30,24,29	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,1,1) - - (4,2,1)(5,2,1)(4,2,1)(5,2,0)
1,2,4,8,14,20,14,20,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,2,0)
1,2,4,8,14,20,14, 20,14,19,25,31,37	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,2,0) - - (4,3,0)(5,3,0)(6,3,0)
1,2,4,8,14,20, 14,20,14,20,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(2,2,1) - - (3,2,1)(2,2,1)(3,2,1)(2,2,1)(3,2,0)

Y 序列	BMS
1,2,4,8,14,20,14, 20,14,20,14,19,25,31,37	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,1)(2,2,1)(3,2,1) - - (2,2,1)(3,2,0)(4,3,0)(5,3,0)(6,3,0)
1,2,4,8,14,20,15	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,0,0)
1,2,4,8,14,20,17,9	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(3,1,0)(2,0,0)
1,2,4,8,14,20, 17,22,29,35	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,1,0)(4,2,1)(5,3,1)(6,3,0)
1,2,4,8,14,20, 17,22,29,36,29,35	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,0) - - (4,2,1)(5,3,1)(6,3,1)(5,3,1)(6,3,0)
1,2,4,8,14,20, 17,22,29,36,30	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,0) - - (4,2,1)(5,3,1)(6,3,1)(6,0,0)
1,2,4,8,14,20,18	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,1,1)
1,2,4,8,14,20,18,24,30	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,1,1)(4,2,1)(5,2,1)
1,2,4,8,14,20,19	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,0)
1,2,4,8,14,20,19,24,29	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,2,0)(4,2,0)(5,2,0)
1,2,4,8,14,20,19,25	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(3,2,0)(4,3,1)
1,2,4,8,14,20,20	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(3,2,1)
1,2,4,8,14,20,20,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,2,1)(2,2,1)(3,2,0)
1,2,4,8,14,20, 20,14,20,14,19	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (3,2,1)(2,2,1)(3,2,1)(3,2,0)
1,2,4,8,14,20,20,14,20,19	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(3,2,1)(3,2,0)
1,2,4,8,14,20,25	(0,0,0)(1,1,1)(2,2,1)(3,2,1)(4,2,0)
1,2,4,8,14,20,26,19	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(4,2,1)(3,2,0)
1,2,4,8,14,20,26,20,25	(0,0,0)(1,1,1)(2,2,1)(3,2,1) - - (4,2,1)(3,2,1)(4,2,0)
1,2,4,8,14,20,26,25	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(4,2,1)(4,2,0)
1,2,4,8,14,20,26,31	(0,0,0)(1,1,1)(2,2,1) - - (3,2,1)(4,2,1)(5,2,0)
1,2,4,8,14,21	(0,0,0)(1,1,1)(2,2,1)(3,3,0)

Y 序列	BMS
1,2,4,8,14,21,28,35	(0,0,0)(1,1,1)(2,2,1) - - (3,3,0)(4,3,0)(5,3,0)
1,2,4,8,14,21,30	(0,0,0)(1,1,1)(2,2,1)(3,3,0)(4,4,1)
1,2,4,8,14,21,30,41,51	(0,0,0)(1,1,1)(2,2,1)(3,3,0) - - (4,4,1)(5,5,1)(6,5,0)
1,2,4,8,14,21,30,41,52,42	(0,0,0)(1,1,1)(2,2,1)(3,3,0) - - (4,4,1)(5,5,1)(6,5,1)(6,0,0)
1,2,4,8,14,21,30,41,53	(0,0,0)(1,1,1)(2,2,1)(3,3,0) - - (4,4,1)(5,5,1)(6,6,0)
1,2,4,8,14,22	(0,0,0)(1,1,1)(2,2,1)(3,3,1)
1,2,4,8,14,22,14	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(2,2,1)
1,2,4,8,14,22,14,20	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(2,2,1)(3,2,1)
1,2,4,8,14,22,14,21	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(2,2,1)(3,3,0)
1,2,4,8,14,22,14,22	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(2,2,1)(3,3,1)
1,2,4,8,14,22,20	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,2,1)
1,2,4,8,14,22,20,28	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(3,2,1)(4,3,1)
1,2,4,8,14,22,21	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,0)
1,2,4,8,14,22,22	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(3,3,1)
1,2,4,8,14,22,23	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,0,0)
1,2,4,8,14,22,29	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,3,0)
1,2,4,8,14,22,32	(0,0,0)(1,1,1)(2,2,1)(3,3,1)(4,4,1)
1,2,4,8,14,22,32,44	(0,0,0)(1,1,1)(2,2,1) - - (3,3,1)(4,4,1)(5,5,1)
1,2,4,8,15	(0,0,0)(1,1,1)(2,2,2)
1,2,4,8,15,22	(0,0,0)(1,1,1)(2,2,2)(3,2,2)
1,2,4,8,15,22,23	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,0,0)
1,2,4,8,15,22,24	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,0)
1,2,4,8,15,22,25,9	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,1,0)(2,0,0)

Y 序列	BMS
1,2,4,8,15,22,26	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,1,1)
1,2,4,8,15,22,27	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0)
1,2,4,8,15,22,27,15	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,2,0)(2,2,2)
1,2,4,8,15,22, 27,15,22,27,15	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,0) - - (2,2,2)(3,2,2)(4,2,0)(2,2,2)
1,2,4,8,15,22,27,16	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,2,0)(3,0,0)
1,2,4,8,15,22,28	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,1)
1,2,4,8,15,22,29	(0,0,0)(1,1,1)(2,2,2)(3,2,2)(4,2,2)
1,2,4,8,15,22,29,29	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,2,2)(4,2,2)
1,2,4,8,15,22,29,36	(0,0,0)(1,1,1)(2,2,2) - - (3,2,2)(4,2,2)(5,2,2)
1,2,4,8,15,23	(0,0,0)(1,1,1)(2,2,2)(3,3,0)
1,2,4,8,15,24	(0,0,0)(1,1,1)(2,2,2)(3,3,1)
1,2,4,8,15,24,35	(0,0,0)(1,1,1)(2,2,2)(3,3,1)(4,4,1)
1,2,4,8,15,24,36	(0,0,0)(1,1,1)(2,2,2)(3,3,1)(4,4,2)
1,2,4,8,15,25	(0,0,0)(1,1,1)(2,2,2)(3,3,2)
1,2,4,8,15,25,26	(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,0,0)
1,2,4,8,15,25,38	(0,0,0)(1,1,1)(2,2,2)(3,3,2)(4,4,2)
1,2,4,8,15,26	(0,0,0)(1,1,1)(2,2,2)(3,3,3)
1,2,4,8,15,26,42	(0,0,0)(1,1,1)(2,2,2)(3,3,3)(4,4,4)
1,2,4,8,15,26,42,64	(0,0,0)(1,1,1)(2,2,2) - - (3,3,3)(4,4,4)(5,5,5)
1,2,4,8,16	(0,0,0,0)(1,1,1,1)
1,2,4,8,16,8	(0,0,0,0)(1,1,1,1)(1,1,1,0)
1,2,4,8,16,8,14	(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,1,0)
1,2,4,8,16,8,14,22	(0,0,0,0)(1,1,1,1)(1,1,1,0) - - (2,2,1,0)(3,3,1,0)
1,2,4,8,16,8,15	(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,0)

Y 序列	BMS
1,2,4,8,16,8,15,26	$(0,0,0,0)(1,1,1,1)(1,1,1,0) -$ $- (2,2,2,0)(3,3,3,0)$
1,2,4,8,16,8,16	$(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,1)$
1,2,4,8,16,14	$(0,0,0,0)(1,1,1,1)(1,1,1,0) -$ $- (2,2,2,1)(2,2,1,0)$
1,2,4,8,16,14,24,22	$(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,1) -$ $- (2,2,1,0)(3,3,2,1)(3,3,1,0)$
1,2,4,8,16,15	$(0,0,0,0)(1,1,1,1)(1,1,1,0) -$ $- (2,2,2,1)(2,2,2,0)$
1,2,4,8,16,15,27	$(0,0,0,0)(1,1,1,1)(1,1,1,0) -$ $- (2,2,2,1)(2,2,2,0)(3,3,3,1)$
1,2,4,8,16,15,27,26	$(0,0,0,0)(1,1,1,1)(1,1,1,0)(2,2,2,1) -$ $- (2,2,2,0)(3,3,3,1)(3,3,3,0)$
1,2,4,8,16,16	$(0,0,0,0)(1,1,1,1)(1,1,1,1)$
1,2,4,8,16,16,16	$(0,0,0,0)(1,1,1,1)(1,1,1,1)(1,1,1,1)$
1,2,4,8,16,17	$(0,0,0,0)(1,1,1,1)(2,0,0,0)$
1,2,4,8,16,18	$(0,0,0,0)(1,1,1,1)(2,1,0,0)$
1,2,4,8,16,18,7,12,21	$(0,0,0,0)(1,1,1,1)(2,1,0,0) -$ $- (1,1,0,0)(2,2,1,1)$
1,2,4,8,16,18,7,12,21,23	$(0,0,0,0)(1,1,1,1)(2,1,0,0) -$ $- (1,1,0,0)(2,2,1,1)(3,1,0,0)$
1,2,4,8,16,18,8	$(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) -$ $- (2,2,1,1)(3,1,0,0)(2,2,1,0)$
1,2,4,8,16,18,8,16,18	$(0,0,0,0)(1,1,1,1)(2,1,0,0) -$ $- (1,1,0,0)(2,2,1,1)(3,1,0,0) -$ $- (2,2,1,0)(3,3,2,1)(4,1,0,0)$
1,2,4,8,16,18,16	$(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) -$ $- (2,2,1,1)(3,1,0,0)(2,2,1,1)$
1,2,4,8,16,18,22	$(0,0,0,0)(1,1,1,1)(2,1,0,0) -$ $- (1,1,0,0)(2,2,1,1)(3,1,1,0)$
1,2,4,8,16,18,22,28	$(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) -$ $- (2,2,1,1)(3,1,1,0)(4,2,1,0)$
1,2,4,8,16,18,22,29	$(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) -$ $- (2,2,1,1)(3,1,1,0)(4,2,2,0)$
1,2,4,8,16,18,22,30	$(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,0,0) -$ $- (2,2,1,1)(3,1,1,0)(4,2,2,1)$



Y 序列	BMS
1,2,4,8,16,18, 22,30,32,36,44	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,0,0)(2,2,1,1)(3,1,1,0) - - (4,2,2,1)(5,1,1,0)(6,2,2,1)
1,2,4,8,16,19,8	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0)
1,2,4,8,16,19,8,16,8	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,1,0,0)
1,2,4,8,16,- -19,8,16,19,8	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(1,1,1,0)
1,2,4,8,16,19,9	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(2,0,0,0)
1,2,4,8,16,19,16	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(2,2,2,1)
1,2,4,8,16,19,16,19,16	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,1,0,0) - - (2,2,2,1)(3,1,0,0)(2,2,2,1)
1,2,4,8,16,19,17	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(3,0,0,0)
1,2,4,8,16,19,18	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(3,1,0,0)
1,2,4,8,16,19,19,8	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(3,1,0,0)(1,1,1,0)
1,2,4,8,16,19,19,9	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(3,1,0,0)(2,2,2,1)
1,2,4,8,16,19,23	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(4,2,0,0)
1,2,4,8,16,19,24	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(4,2,1,0)
1,2,4,8,16,19,24,37	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,0,0)(4,2,1,1)
1,2,4,8,16,20	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,1,1,0)
1,2,4,8,16,20,26	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,1,0)(4,2,1,0)
1,2,4,8,16,20,27	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,1,0)(4,2,2,0)
1,2,4,8,16,20,28	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,1,1,0)(4,2,2,1)
1,2,4,8,16,20,28,32,40	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,1,1,0) - - (4,2,2,1)(5,1,1,0)(6,2,2,1)

Y 序列	BMS
1,2,4,8,16,21	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,0)(2,2,2,1)(3,2,0,0)
1,2,4,8,16,21,15	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,0) - - (2,2,2,1)(3,2,0,0)(2,2,2,0)
1,2,4,8,16,21,16	(0,0,0,0)(1,1,1,1)(2,1,0,0)(1,1,1,1)
1,2,4,8,16,21,16,21,16	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (1,1,1,1)(2,1,0,0)(1,1,1,1)
1,2,4,8,16,21,21,16	(0,0,0,0)(1,1,1,1)(2,1,0,0) - - (2,1,0,0)(1,1,1,1)
1,2,4,8,16,21,27	(0,0,0,0)(1,1,1,1)(2,1,0,0)(3,2,0,0)
1,2,4,8,16,22	(0,0,0,0)(1,1,1,1)(2,1,1,0)
1,2,4,8,16,22,8,16	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)
1,2,4,8,16,22,8,16,20	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,1,1,0)
1,2,4,8,16, 22,8,16,20,28	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,1,1,0)(4,2,2,1)
1,2,4,8,16,22,8,16,21	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,0,0)
1,2,4,8,16,22,8,16,22	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,1,0)
1,2,4,8,16,22,14,24,32	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,1,0) - - (2,2,1,0)(3,3,2,1)(4,3,1,0)
1,2,4,8,16,22,15,27	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (1,1,1,0)(2,2,2,1)(3,2,1,0) - - (2,2,2,0)(3,3,3,1)(4,3,1,0)
1,2,4,8,16,22,16	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(2,2,2,1)
1,2,4,8,16,22,22,16	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(3,2,1,0)(2,2,2,1)
1,2,4,8,16,22,23	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,0,0,0)
1,2,4,8,16,22,28,16	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,2,1,0)(2,2,2,1)
1,2,4,8,16,22,30	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,3,1,0)
1,2,4,8,16,22,31	(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) - - (2,2,2,1)(3,2,1,0)(4,3,2,0)

Y 序列	BMS
1,2,4,8,16,22,32	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) -$ $- (2,2,2,1)(3,2,1,0)(4,3,2,1)$
1,2,4,8,16,22,32,40	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,2,1,0) -$ $- (4,3,2,1)(5,4,1,0)(6,5,2,1)$
1,2,4,8,16,23	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,2,2,0)$
1,2,4,8,16,23,14,24,23	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,2,2,0) -$ $- (2,2,1,0)(3,3,2,1)(4,3,2,0)$
1,2,4,8,16,23,15	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,0) -$ $- (2,2,2,1)(3,2,2,0)(2,2,2,0)$
1,2,4,8,16,23,15,27,38	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,2,2,0) -$ $- (2,2,2,0)(3,3,3,1)(4,3,3,0)$
1,2,4,8,16,23,16	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(1,1,1,1)$
1,2,4,8,16,23,16,20	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (1,1,1,1)(2,1,1,0)$
1,2,4,8,16,23,16,23,16	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (1,1,1,1)(2,1,1,0)(1,1,1,1)$
1,2,4,8,16,23,20	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(2,1,1,0)$
1,2,4,8,16,23,23,16	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (2,1,1,0)(1,1,1,1)$
1,2,4,8,16,23,30,16	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,1,1,0)(1,1,1,1)$
1,2,4,8,16,23,32	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,1,0)$
1,2,4,8,16,23,33	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,2,2,0)(4,3,2,0)$
1,2,4,8,16,23,33,16	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,1,0)(1,1,1,1)$
1,2,4,8,16,23,33,46,16	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,1,0)(4,3,1,0)(1,1,1,1)$
1,2,4,8,16,23,34	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,2,0)$
1,2,4,8,16,23,34,50	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,2,0)(4,3,3,0)$
1,2,4,8,16,23,35	$(0,0,0,0)(1,1,1,1)(2,1,1,0)(3,2,2,1)$
1,2,4,8,16,23,35,35	$(0,0,0,0)(1,1,1,1)(2,1,1,0) -$ $- (3,2,2,1)(3,2,2,1)$

Y 序列	BMS
1,2,4,8,16,23,35,42,16	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (3,2,2,1)(4,1,1,0)(1,1,1,1)
1,2,4,8,16,23,35,45,16	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (3,2,2,1)(4,2,1,0)(1,1,1,1)
1,2,4,8,16,23,35,46	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (3,2,2,1)(4,2,2,0)
1,2,4,8,16,23,35,46,63	(0,0,0,0)(1,1,1,1)(2,1,1,0) - - (3,2,2,1)(4,2,2,0)(5,3,3,1)
1,2,4,8,16,24	(0,0,0,0)(1,1,1,1)(2,1,1,1)
1,2,4,8,16,24,16,24	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (1,1,1,1)(2,1,1,1)
1,2,4,8,16,24,20	(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,0)
1,2,4,8,16,24,23,16,24	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (2,1,1,0)(1,1,1,1)(2,1,1,1)
1,2,4,8,16,24,23,30,16,24	(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,0) - - (3,1,1,0)(1,1,1,1)(2,1,1,1)
1,2,4,8,16,24,23,33,16,24	(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,0) - - (3,2,1,0)(1,1,1,1)(2,1,1,1)
1,2,4,8,16,24,23,34	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (2,1,1,0)(3,2,2,0)
1,2,4,8,16,24,23,35	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (2,1,1,0)(3,2,2,1)
1,2,4,8,16,24,23,35,47	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (2,1,1,0)(3,2,2,1)(4,2,2,1)
1,2,4,8,16,24,24	(0,0,0,0)(1,1,1,1)(2,1,1,1)(2,1,1,1)
1,2,4,8,16,24,25	(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,0,0,0)
1,2,4,8,16,24,26	(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,0,0)
1,2,4,8,16,24,27,16	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(1,1,1,1)
1,2,4,8,16,24,27,16,24	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(1,1,1,1)(2,1,1,1)
1,2,4,8,16,24,17,16,24,26	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(1,1,1,1)(2,1,1,1)(3,1,0,0)
1,2,4,8,16,24,27,17	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,0,0,0)
1,2,4,8,16,24,27,18	(0,0,0,0)(1,1,1,1)(2,1,1,1) - - (3,1,0,0)(2,1,0,0)

Y 序列	BMS
1,2,4,8,16,24,27,19	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,0,0)(2,1,1,0)$
1,2,4,8,16,24, 27,23,16,24,27,18	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,0,0) -$ $- (2,1,1,0)(1,1,1,1)(2,1,1,1)(3,1,0,0)$
1,2,4,8,16,24,27,23,17	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,0,0)(2,1,1,0)(2,0,0,0)$
1,2,4,8,16,24, 27,23,33,16,24,26	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,0,0)(2,1,1,0)(3,2,1,0) -$ $- (1,1,1,1)(2,1,1,1)(3,1,0,0)$
1,2,4,8,16,24,27,23,34	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,0,0)(2,1,1,0)(3,2,2,0)$
1,2,4,8,16,24,27,23,35	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,0,0)(2,1,1,0)(3,2,2,1)$
1,2,4,8,16,24,27, 23,35,47,50,36	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,0,0)(2,1,1,0)(3,2,2,1) -$ $- (4,2,2,1)(5,2,0,0)(4,0,0,0)$
1,2,4,8,16,24,27,24	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,0,0)(2,1,1,1)$
1,2,4,8,16,24,27,31	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,0,0)(4,2,0,0)$
1,2,4,8,16,24,28	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0)$
1,2,4,8,16,24,31	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,2,2,1)(4,2,2,0)$
1,2,4,8,16,24,31,16	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(1,1,1,1)$
1,2,4,8,16,24,31,16,24	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(1,1,1,1)(2,1,1,1)$
1,2,4,8,16, 24,31,16,24,28	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0) -$ $- (1,1,1,1)(2,1,1,1)(3,1,1,0)$
1,2,4,8,16,24,31,17	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,0,0,0)$
1,2,4,8,16,24,31,18	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,0,0)$
1,2,4,8,16,24,31,20	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)$
1,2,4,8,16,24,31,23,16	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)(1,1,1,1)$
1,2,4,8,16,24, 31,23,16,24,31,17	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)(1,1,1,1) -$ $- (2,1,1,1)(3,1,1,0)(2,0,0,0)$

Y 序列	BMS
1,2,4,8,16,24,31,23,31	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)(3,2,0,0)$
1,2,4,8,16,24, 31,23,33,16,24,31,17	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,0) -$ $- (2,1,1,0)(3,2,1,0)(1,1,1,1) -$ $- (2,1,1,1)(3,1,1,0)(2,0,0,0)$
1,2,4,8,16,24,31,23,34	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,0)(3,2,2,0)$
1,2,4,8,16,24,31,24	$(0,0,0,0)(1,1,1,1)(2,1,1,1) -$ $- (3,1,1,0)(2,1,1,1)$
1,2,4,8,16,24,32	$(0,0,0,0)(1,1,1,1)(2,1,1,1)(3,1,1,1)$
1,2,4,8,16,26	$(0,0,0,0)(1,1,1,1)(2,2,1,0)$
1,2,4,8,16,27	$(0,0,0,0)(1,1,1,1)(2,2,1,0) -$ $- (1,1,1,0)(2,2,2,1)(3,3,2,0)$
1,2,4,8,16,27,16	$(0,0,0,0)(1,1,1,1)(2,2,1,0)(1,1,1,1)$
1,2,4,8,16,28	$(0,0,0,0)(1,1,1,1)(2,2,1,1)$
1,2,4,8,16,28,44	$(0,0,0,0)(1,1,1,1)(2,2,1,1)(3,3,1,1)$
1,2,4,8,16,28,44,64	$(0,0,0,0)(1,1,1,1)(2,2,1,1) -$ $- (3,3,1,1)(4,4,1,1)$
1,2,4,8,16,29	$(0,0,0,0)(1,1,1,1)(2,2,2,0)$
1,2,4,8,16,31	$(0,0,0,0)(1,1,1,1)(2,2,2,2)$
1,2,4,8,16,31,57	$(0,0,0,0)(1,1,1,1)(2,2,2,2)(3,3,3,3)$
1,2,4,8,16,32	$(0,0,0,0,0)(1,1,1,1,1)$
1,2,4,8,16,32,48	$(0,0,0,0,0)(1,1,1,1,1)(2,1,1,1,1)$
1,2,4,8,16,32,56	$(0,0,0,0,0)(1,1,1,1,1)(2,2,1,1,1)$
1,2,4,8,16,32,60	$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,1,1)$
1,2,4,8,16,32,61	$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,0)$
1,2,4,8,16,32,62	$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,1)$
1,2,4,8,16,32,63	$(0,0,0,0,0)(1,1,1,1,1)(2,2,2,2,2)$
1,2,4,8,16,32,64	$(0,0,0,0,0,0)(1,1,1,1,1,1)$
1,2,4,8,16,32,64,128	$(0,0,0,0,0,0,0)(1,1,1,1,1,1,1)$
1,2,4,8,16,32,64,128,256	$(0,0,0,0,0,0,0,0)(1,1,1,1,1,1,1,1)$

A.21 Y 序列 vs 0–Y

本节的结果主要引自<sup>[2]</sup>。

Y 序列	0 – Y 序列
1	1
1,1	1,1
1,1,1	1,1,1
1,1,1,1	1,1,1,1
1,2	1,2
1,2,1	1,2,1
1,2,1,1	1,2,1,1
1,2,1,2	1,2,1,2
1,2,1,2,1	1,2,1,2,1
1,2,1,2,1,2	1,2,1,2,1,2
1,2,2	1,2,2
1,2,2,1	1,2,2,1
1,2,2,1,2	1,2,2,1,2
1,2,2,1,2,2	1,2,2,1,2,2
1,2,2,2	1,2,2,2
1,2,2,2,2	1,2,2,2,2
1,2,3	1,2,3
1,2,3,1	1,2,3,1
1,2,3,1,2	1,2,3,1,2
1,2,3,1,2,3	1,2,3,1,2,3
1,2,3,2	1,2,3,2
1,2,3,2,2	1,2,3,2,2
1,2,3,2,3	1,2,3,2,3
1,2,3,2,3,2	1,2,3,2,3,2

Y 序列	0 – Y 序列
1,2,3,2,3,2,3	1,2,3,2,3,2,3
1,2,3,3	1,2,3,3
1,2,3,3,2	1,2,3,3,2
1,2,3,3,2,3	1,2,3,3,2,3
1,2,3,3,2,3,3	1,2,3,3,2,3,3
1,2,3,3,3	1,2,3,3,3
1,2,3,3,3,3	1,2,3,3,3,3
1,2,3,4	1,2,3,4
1,2,3,4,2	1,2,3,4,2
1,2,3,4,2,3,4	1,2,3,4,2,3,4
1,2,3,4,3	1,2,3,4,3
1,2,3,4,3,4	1,2,3,4,3,4
1,2,3,4,4	1,2,3,4,4
1,2,3,4,5	1,2,3,4,5
1,2,3,4,5,4	1,2,3,4,5,4
1,2,3,4,5,4,5	1,2,3,4,5,4,5
1,2,3,4,5,5	1,2,3,4,5,5
1,2,3,4,5,6	1,2,3,4,5,6
1,2,3,4,5,6,7	1,2,3,4,5,6,7
1,2,4	1,3
1,2,4,1	1,3,1
1,2,4,1,2	1,3,1,2
1,2,4,1,2,3	1,3,1,2,3
1,2,4,1,2,4	1,3,1,3
1,2,4,2	1,3,2
1,2,4,2,2	1,3,2,2



Y 序列	$0 - Y$ 序列
1,2,4,2,3	1,3,2,3
1,2,4,2,4	1,3,2,4
1,2,4,3	1,3,2,4,3
1,2,4,3,5	1,3,2,4,3,5
1,2,4,3,5,4,6	1,3,2,4,3,5,4,6
1,2,4,4	1,3,3
1,2,4,4,1,2,4,4	1,3,3,1,3,3
1,2,4,4,2	1,3,3,2
1,2,4,4,2,4,4	1,3,3,2,4,4
1,2,4,4,3	1,3,3,2,4,4,3
1,2,4,4,3,5,5	1,3,3,2,4,4,3,5,5
1,2,4,4,4	1,3,3,3
1,2,4,4,4,4	1,3,3,3,3
1,2,4,5	1,3,4
1,2,4,5,2	1,3,4,2
1,2,4,5,2,4,5	1,3,4,2,4,5
1,2,4,5,3	1,3,4,2,4,5,3
1,2,4,5,3,5,6	1,3,4,2,4,5,3,5,6
1,2,4,5,4	1,3,4,3
1,2,4,5,4,4	1,3,4,3,3
1,2,4,5,4,5	1,3,4,3,4
1,2,4,5,4,5,4,5	1,3,4,3,4,3,4
1,2,4,5,5	1,3,4,4
1,2,4,5,5,4,5	1,3,4,4,3,4
1,2,4,5,5,4,5,5	1,3,4,4,3,4,4
1,2,4,5,5,5	1,3,4,4,4

Y 序列	0 - Y 序列
1,2,4,5,5,5,5	1,3,4,4,4,4
1,2,4,5,6	1,3,4,5
1,2,4,5,6,7	1,3,4,5,6
1,2,4,5,7	1,3,4,6
1,2,4,5,7,7	1,3,4,6,6
1,2,4,5,7,8	1,3,4,6,7
1,2,4,5,7,8,10	1,3,4,6,7,9
1,2,4,6	1,3,5
1,2,4,6,2	1,3,5,2
1,2,4,6,2,4,6	1,3,5,2,4,6
1,2,4,6,3	1,3,5,2,4,6,3
1,2,4,6,3,5,7	1,3,5,2,4,6,3,5,7
1,2,4,6,4	1,3,5,3
1,2,4,6,4,5	1,3,5,3,4
1,2,4,6,4,5,4	1,3,5,3,4,3
1,2,4,6,4,5,4,5	1,3,5,3,4,3,4
1,2,4,6,4,5,5	1,3,5,3,4,4
1,2,4,6,4,5,6	1,3,5,3,4,5
1,2,4,6,4,5,7	1,3,5,3,4,6
1,2,4,6,4,5,7,8	1,3,5,3,4,6,7
1,2,4,6,4,5,7,8,10	1,3,5,3,4,6,7,9
1,2,4,6,4,5,7,9	1,3,5,3,4,6,8
1,2,4,6,4,5,7,9,7	1,3,5,3,4,6,8,6
1,2,4,6,4,6	1,3,5,3,5
1,2,4,6,4,6,4,6	1,3,5,3,5,3,5
1,2,4,6,5	1,3,5,4

Y 序列	0 – Y 序列
1,2,4,6,5,5	1,3,5,4,4
1,2,4,6,5,6	1,3,5,4,5
1,2,4,6,5,7	1,3,5,4,6
1,2,4,6,5,7,9	1,3,5,4,6,8
1,2,4,6,5,7,9,8,10,12	1,3,5,4,6,8,7,9,11
1,2,4,6,6	1,3,5,5
1,2,4,6,6,4	1,3,5,5,3
1,2,4,6,6,4,5,7,9,9	1,3,5,5,3,4,6,8,8
1,2,4,6,6,4, 5,7,9,9,7	1,3,5,5,3,4,6,8,8,6
1,2,4,6,6,4,6	1,3,5,5,3,5
1,2,4,6,6,4, 6,5,7,9,9	1,3,5,5,3,5,4,6,8,8
1,2,4,6,6,4, 6,5,7,9,9,7,9	1,3,5,5,3,5, 4,6,8,8,6,8
1,2,4,6,6,4,6,6	1,3,5,5,3,5,5
1,2,4,6,6,5	1,3,5,5,4
1,2,4,6,6,5,7	1,3,5,5,4,6
1,2,4,6,6,5,7,8	1,3,5,5,4,6,7
1,2,4,6,6,5,7,9	1,3,5,5,4,6,8
1,2,4,6,6,5,7,9,9	1,3,5,5,4,6,8,8
1,2,4,6,6,6	1,3,5,5,5
1,2,4,6,6,6,4,6,6,6	1,3,5,5,5,3,5,5,5
1,2,4,6,6,6,5	1,3,5,5,5,4
1,2,4,6,6,6,6	1,3,5,5,5,5
1,2,4,6,7	1,3,5,6
1,2,4,6,7,2	1,3,5,6,2
1,2,4,6,7,3	1,3,5,6,2,4,6,7,3

Y 序列	0 – Y 序列
1,2,4,6,7,4	1,3,5,6,3
1,2,4,6,7,4,6,7	1,3,5,6,3,5,6
1,2,4,6,7,5	1,3,5,6,4
1,2,4,6,7,5,7,9,10	1,3,5,6,4,6,8,9
1,2,4,6,7,6	1,3,5,6,5
1,2,4,6,7,6,4,6,7	1,3,5,6,5,3,5,6
1,2,4,6,7,6,4,6,7,6	1,3,5,6,5,3,5,6,5
1,2,4,6,7,6,6	1,3,5,6,5,5
1,2,4,6,7,6,7	1,3,5,6,5,6
1,2,4,6,7,7	1,3,5,6,6
1,2,4,6,7,8	1,3,5,6,7
1,2,4,6,7,8,5	1,3,5,6,7,4
1,2,4,6,7,9	1,3,5,6,8
1,2,4,6,7,9,6	1,3,5,6,8,5
1,2,4,6,7,9,6,2,4	1,3,5,6,8,5,2,4
1,2,4,6,7,9, 6,4,6,7,9	1,3,5,6,8,5,3,5,6,8
1,2,4,6,7,9, 7,4,6,7,9	1,3,5,6,8,6,3,5,6,8
1,2,4,6,7,9,9	1,3,5,6,8,8
1,2,4,6,7,9,9,9	1,3,5,6,8,8,8
1,2,4,6,7,9,10	1,3,5,6,8,9
1,2,4,6,7,9, 10,4,6,7,9	1,3,5,6,8,9,3,5,6,8
1,2,4,6,7,9,11	1,3,5,6,8,10
1,2,4,6,7,9, 11,9,10,12,14	1,3,5,6,8,10,8,9,11,13
1,2,4,6,7,9,11,11	1,3,5,6,8,10,10
1,2,4,6,7,9,11,12	1,3,5,6,8,10,11

Y 序列	$0-Y$ 序列
1,2,4,6,7,9,11,12,12	1,3,5,6,8,10,11,11
1,2,4,6,7,9,11,12,14	1,3,5,6,8,10,11,13
1,2,4,6,7,9,11,12,14,16	1,3,5,6,8,10,11,13,15
1,2,4,6,8	1,3,5,7
1,2,4,6,8,2	1,3,5,7,2
1,2,4,6,8,2,2	1,3,5,7,2,2
1,2,4,6,8,2,3	1,3,5,7,2,3
1,2,4,6,8,2,4	1,3,5,7,2,4
1,2,4,6,8,2,4,5	1,3,5,7,2,4,5
1,2,4,6,8,2,4,5,7	1,3,5,7,2,4,5,7
1,2,4,6,8,2,4,6	1,3,5,7,2,4,6
1,2,4,6,8,2,4,6,7	1,3,5,7,2,4,6,7
1,2,4,6,8,2,4,6,7,9	1,3,5,7,2,4,6,7,9
1,2,4,6,8,2, 4,6,7,9,11	1,3,5,7,2,4,6,7,9,11
1,2,4,6,8,2,4,6,8	1,3,5,7,2,4,6,8
1,2,4,6,8,2,4,6,8,2	1,3,5,7,2,4,6,8,2
1,2,4,6,8,2, 4,6,8,2,4,6,8	1,3,5,7,2,4, 6,8,2,4,6,8
1,2,4,6,8,3	1,3,5,7,2,4,6,8,3
1,2,4,6,8,3,5,7,9	1,3,5,7,2,4, 6,8,3,5,7,9
1,2,4,6,8,4	1,3,5,7,3
1,2,4,6,8,4,2	1,3,5,7,3,2
1,2,4,6,8,4,2,4	1,3,5,7,3,2,4
1,2,4,6,8,4,2,4,6	1,3,5,7,3,2,4,6
1,2,4,6,8,4,2,4,6,8	1,3,5,7,3,2,4,6,8
1,2,4,6,8,4, 2,4,6,8,3	1,3,5,7,3,2,4,6,8,3

Y 序列	0 - Y 序列
1,2,4,6,8,4, 2,4,6,8,4	1,3,5,7,3,2,4,6,8,4
1,2,4,6,8,4,4	1,3,5,7,3,3
1,2,4,6,8,4,5	1,3,5,7,3,4
1,2,4,6,8,4,5,7,9,11	1,3,5,7,3,4,6,8,10
1,2,4,6,8,4, 5,7,9,11,7	1,3,5,7,3,4,6,8,10,6
1,2,4,6,8,4,6	1,3,5,7,3,5
1,2,4,6,8,4,6,7	1,3,5,7,3,5,6
1,2,4,6,8,4,6,7,9	1,3,5,7,3,5,8
1,2,4,6,8,4,6,7,9,11	1,3,5,7,3,5,6,8,10
1,2,4,6,8,4, 6,7,9,11,13	1,3,5,7,3,5,6,8,10,12
1,2,4,6,8,4, 6,7,9,11,13,5	1,3,5,7,3,5, 6,8,10,12,4
1,2,4,6,8,4,6,7,9, 11,13,5,4,6,7,9,11,13	1,3,5,7,3,5,6,8,10, 12,4,3,5,6,8,10,12
1,2,4,6,8,4, 6,7,9,11,13,5,5	1,3,5,7,3,5, 6,8,10,12,4,4
1,2,4,6,8,4, 6,7,9,11,13,5,6	1,3,5,7,3,5, 6,8,10,12,4,5
1,2,4,6,8,4,6, 7,9,11,13,5,7	1,3,5,7,3,5, 6,8,10,12,4,6
1,2,4,6,8,4,6,7, 9,11,13,5,7,9,11	1,3,5,7,3,5,6, 8,10,12,4,6,8,10
1,2,4,6,8,4, 6,7,9,11,13,6	1,3,5,7,3,5, 6,8,10,12,5
1,2,4,6,8,4,6,7, 9,11,13,6,7,9,11,13	1,3,5,7,3,5,6,8, 10,12,5,6,8,10,12
1,2,4,6,8,4, 6,7,9,11,13,7	1,3,5,7,3,5, 6,8,10,12,6
1,2,4,6,8,4,6,7, 9,11,13,7,9,11,13	1,3,5,7,3,5,6,8, 10,12,6,8,10,12
1,2,4,6,8,4, 6,7,9,11,13,9	1,3,5,7,3,5, 6,8,10,12,8
1,2,4,6,8,4,6,7, 9,11,13,9,10,12,14,16	1,3,5,7,3,5,6,8,10, 12,8,10,11,13,15,17

Y 序列	0 - Y 序列
1,2,4,6,8,4,6,8	1,3,5,7,3,5,7
1,2,4,6,8,5	1,3,5,7,4
1,2,4,6,8,5,7,9,11	1,3,5,7,4,6,8,10
1,2,4,6,8,6	1,3,5,7,5
1,2,4,6,8,6,7	1,3,5,7,5,6
1,2,4,6,8,6,7,9	1,3,5,7,5,6,8
1,2,4,6,8,6,7,9,11,13	1,3,5,7,5,6,8,10,12
1,2,4,6,8,6,8	1,3,5,7,5,7
1,2,4,6,8,6,8,6,8	1,3,5,7,5,7,5,7
1,2,4,6,8,7	1,3,5,7,6
1,2,4,6,8,7,5	1,3,5,7,6,4
1,2,4,6,8,7,6	1,3,5,7,6,5
1,2,4,6,8,7,6,7	1,3,5,7,6,5,6
1,2,4,6,8,7,6,8	1,3,5,7,6,4
1,2,4,6,8,7,6,8,7	1,3,5,7,6,5,7
1,2,4,6,8,7,7	1,3,5,7,6,4
1,2,4,6,8,7,8	1,3,5,7,6,6
1,2,4,6,8,7,9	1,3,5,7,6,8
1,2,4,6,8,7,9,11,13	1,3,5,7,6,8,10,12
1,2,4,6,8,8	1,3,5,7,7
1,2,4,6,8,8,6	1,3,5,7,7,5
1,2,4,6,8,8,6,8	1,3,5,7,7,5,7
1,2,4,6,8,8,6,8,7	1,3,5,7,7,5,7,6
1,2,4,6,8,8,6,8,8	1,3,5,7,7,5,7,7
1,2,4,6,8,8,7	1,3,5,7,7,6
1,2,4,6,8,8,8	1,3,5,7,7,7

Y 序列	0 - Y 序列
1,2,4,6,8,8,8,6,8,8,8	1,3,5,7,7,7,5,7,7,7
1,2,4,6,8,8,8,7	1,3,5,7,7,7,6
1,2,4,6,8,8,8,8	1,3,5,7,7,7,7
1,2,4,6,8,9	1,3,5,7,8
1,2,4,6,8,9,8	1,3,5,7,8,7
1,2,4,6,8,9,8,9	1,3,5,7,8,7,8
1,2,4,6,8,9,9	1,3,5,7,8,8
1,2,4,6,8,9,11	1,3,5,7,8,10
1,2,4,6,8,9,11,13,15	1,3,5,7,8,10,12,14
1,2,4,6,8,9,11,13,15,16	1,3,5,7,8,10,12,14,15
1,2,4,6,8,9, 11,13,15,16,18	1,3,5,7,8,10,12,14,15,17
1,2,4,6,8,10	1,3,5,7,9
1,2,4,6,8,10,6	1,3,5,7,9,5
1,2,4,6,8,10,8	1,3,5,7,9,7
1,2,4,6,8,10,8,10	1,3,5,7,9,7,9
1,2,4,6,8,10,9	1,3,5,7,9,8
1,2,4,6,8,10,10	1,3,5,7,9,9
1,2,4,6,8,10,10,10	1,3,5,7,9,9,9
1,2,4,6,8,10,11	1,3,5,7,9,10
1,2,4,6,8,10,12	1,3,5,7,9,11
1,2,4,6,8,10,12,14	1,3,5,7,9,11,13
1,2,4,7	1,3,6
1,2,4,7,2	1,3,6,2
1,2,4,7,2,4,7	1,3,6,2,4,7
1,2,4,7,4	1,3,6,3
1,2,4,7,4,6	1,3,6,3,5



Y 序列	$0 - Y$ 序列
1,2,4,7,4,6,8	1,3,6,3,5,7
1,2,4,7,4,7	1,3,6,3,6
1,2,4,7,4,7,4,7	1,3,6,3,6,3,6
1,2,4,7,5	1,3,6,4
1,2,4,7,5,5	1,3,6,4,4
1,2,4,7,5,6	1,3,6,4,5
1,2,4,7,5,7	1,3,6,4,6
1,2,4,7,5,7,10	1,3,6,4,6,9
1,2,4,7,6	1,3,6,5
1,2,4,7,6,7	1,3,6,5,6
1,2,4,7,6,8	1,3,6,5,7
1,2,4,7,6,9	1,3,6,5,8
1,2,4,7,6,9,8	1,3,6,5,8,7
1,2,4,7,6,9,8,11	1,3,6,5,8,7,10
1,2,4,7,7	1,3,6,6
1,2,4,7,7,4,7,7	1,3,6,6,3,6,6
1,2,4,7,7,5	1,3,6,6,4
1,2,4,7,7,6	1,3,6,6,5
1,2,4,7,7,6,9,9	1,3,6,6,5,8,8
1,2,4,7,7,7	1,3,6,6,6
1,2,4,7,8	1,3,6,7
1,2,4,7,8,10	1,3,6,7,9
1,2,4,7,8,10,13	1,3,6,7,9,12
1,2,4,7,9	1,3,6,8
1,2,4,7,9,7,9	1,3,6,8,6,8
1,2,4,7,9,8	1,3,6,8,7

Y 序列	0 – Y 序列
1,2,4,7,9,9	1,3,6,8,8
1,2,4,7,9,12	1,3,6,8,11
1,2,4,7,10	1,3,6,9
1,2,4,7,10,10	1,3,6,9,9
1,2,4,7,10,11	1,3,6,9,10
1,2,4,7,10,12	1,3,6,9,11
1,2,4,7,10,12,7,10,12	1,3,6,9,11,6,9,11
1,2,4,7,10,12,8	1,3,6,9,11,7
1,2,4,7,10,12,8,10	1,3,6,9,11,7,9
1,2,4,7,10,12,9	1,3,6,9,11,8
1,2,4,7,10,12,9,12,15,17	1,3,6,9,11,8,11,14,16,13
1,2,4,7,10,12,10	1,3,6,9,11,9
1,2,4,7,10,12,10,12	1,3,6,9,11,9,11
1,2,4,7,10,12,11	1,3,6,9,11,10
1,2,4,7,10,12,12	1,3,6,9,11,11
1,2,4,7,10,12,13	1,3,6,9,11,12
1,2,4,7,10,12,14	1,3,6,9,11,13
1,2,4,7,10,12,15	1,3,6,9,11,14
1,2,4,7,10,12,15,18	1,3,6,9,11,14,17
1,2,4,7,10,12,15,18,20	1,3,6,9,11,14,17,19
1,2,4,7,10,13	1,3,6,9,12
1,2,4,7,10,13 ,1,2,4,7,10,13	1,3,6,9,12,1,3,6,9,12
1,2,4,7,10,13,4,7,10,13	1,3,6,9,12,3,6,9,12
1,2,4,7,10,13,6,9,12,15	1,3,6,9,12,5,8,11,14
1,2,4,7,10,13,7,10,13	1,3,6,9,12,6,9,12
1,2,4,7,10,13,10	1,3,6,9,12,9

Y 序列	$0-Y$ 序列
1,2,4,7,10,13,16	1,3,6,9,12,15
1,2,4,7,11	1,3,6,10
1,2,4,7,11,4,7,11	1,3,6,10,3,6,10
1,2,4,7,11,6,9,13	1,3,6,10,5,8,12
1,2,4,7,11,7	1,3,6,10,6
1,2,4,7,11,7,10,13	1,3,6,10,6,9,12
1,2,4,7,11,7,11	1,3,6,10,6,10
1,2,4,7,11,10,14	1,3,6,10,9,13
1,2,4,7,11,11	1,3,6,10,10
1,2,4,7,11,12	1,3,6,10,11
1,2,4,7,11,15	1,3,6,10,14
1,2,4,7,11,15,19	1,3,6,10,14,18
1,2,4,7,11,16	1,3,6,10,15
1,2,4,7,11,16,21,26	1,3,6,10,15,20,25
1,2,4,7,11,16,22	1,3,6,10,15,21
1,2,4,8	1,4
1,2,4,8,1	1,4,1
1,2,4,8,2	1,4,2
1,2,4,8,2,4,8	1,4,2,5
1,2,4,8,3	1,4,2,5,3
1,2,4,8,4	1,4,3
1,2,4,8,4,6,8	1,4,3,5,7
1,2,4,8,4,7	1,4,3,6
1,2,4,8,4,7,11	1,4,3,6,10
1,2,4,8,4,8	1,4,3,7
1,2,4,8,5	1,4,3,7,4

Y 序列	0 - Y 序列
1,2,4,8,5,4,8,5	1,4,3,7,4,3,7,4
1,2,4,8,5,5	1,4,3,7,4,4
1,2,4,8,5,5,4,8,5	1,4,3,7,4,4,3,7,4
1,2,4,8,6	1,4,3,7,5
1,2,4,8,6,9	1,4,3,7,5,8
1,2,4,8,6,10	1,4,3,7,5,9
1,2,4,8,6,10,7	1,4,3,7,5,9,6
1,2,4,8,6,10,8	1,4,3,7,5,9,7
1,2,4,8,6,10,8,12	1,4,3,7,5,9,7,11
1,2,4,8,7	1,4,3,7,6
1,2,4,8,7,12	1,4,3,7,6,11
1,2,4,8,7,12,8	1,4,3,7,6,11,7
1,2,4,8,7,12,11	1,4,3,7,6,11,10
1,2,4,8,8	1,4,4
1,2,4,8,8,4	1,4,4,3
1,2,4,8,8,7	1,4,4,3,7,7,6
1,2,4,8,8,8	1,4,4,4
1,2,4,8,9	1,4,5
1,2,4,8,9,4,8,9	1,4,5,3,7,8
1,2,4,8,9,8	1,4,5,4
1,2,4,8,9,8,9	1,4,5,4,5
1,2,4,8,9,9	1,4,5,5
1,2,4,8,9,11	1,4,5,7
1,2,4,8,9,11,14	1,4,5,7,10
1,2,4,8,9,11,15	1,4,5,8
1,2,4,8,10	1,4,6

Y 序列	$0 - Y$ 序列
1,2,4,8,10,4,8,10	1,4,6,3,7,9
1,2,4,8,10,7	1,4,6,3,7,9,6
1,2,4,8,10,7,12,14	1,4,6,3,7,9,6,11,13
1,2,4,8,10,8	1,4,6,3,7,9,7
1,2,4,8,10,10	1,4,6,3,7,9,9
1,2,4,8,10,12	1,4,6,3,7,9,11
1,2,4,8,10,13	1,4,6,3,7,9,12
1,2,4,8,10,14	1,4,6,3,7,9,13
1,2,4,8,11	1,4,6,3,7,10
1,2,4,8,11,7,12,16	1,4,6,3,7,10,6,11,15
1,2,4,8,11,8	1,4,6,4
1,2,4,8,11,8,4	1,4,6,4,3
1,2,4,8,11,8,4,8	1,4,6,4,3,7
1,2,4,8,11,8,4,8,8	1,4,6,4,3,7,7
1,2,4,8,11,8,4,8,10	1,4,6,4,3,7,9
1,2,4,8,11,8,4,8,10,8	1,4,6,4,3,7,9,7
1,2,4,8,11,8,4,8,11	1,4,6,4,3,7,10
1,2,4,8,11,8, 4,8,11,7,12,15,12	1,4,6,4,3,7, 10,6,11,14,11
1,2,4,8,11,8,4,8,11,8	1,4,6,4,3,7,10,7
1,2,4,8,11,8,7	1,4,6,4,3,7,10,7,6
1,2,4,8,11,8,8	1,4,6,4,4
1,2,4,8,11,8,10	1,4,6,4,6
1,2,4,8,11,8,11	1,4,6,4,6,3,7,10,7,10
1,2,4,8,11,8,11,8	1,4,6,4,6,4
1,2,4,8,11,9	1,4,6,5
1,2,4,8,11,9,8	1,4,6,5,4

Y 序列	$0-Y$ 序列
1,2,4,8,11,10	1,4,6,6
1,2,4,8,11,11	1,4,6,6,3,7,10,10
1,2,4,8,11,11,8	1,4,6,6,4
1,2,4,8,11,11,8,11,8	1,4,6,6,4,6,4
1,2,4,8,11,11,8,11,9	1,4,6,6,4,6,5
1,2,4,8,11,11,8,11,11,8	1,4,6,6,4,6,6,4
1,2,4,8,11,11,9	1,4,6,6,5
1,2,4,8,11,11,11,8	1,4,6,6,6,4
1,2,4,8,11,12	1,4,6,7
1,2,4,8,11,13	1,4,6,8
1,2,4,8,11,14	1,4,6,8,3,7,10,13
1,2,4,8,11,14,8	1,4,6,8,4
1,2,4,8,11,14,9	1,4,6,8,5
1,2,4,8,11,14,11,8	1,4,6,8,6,4
1,2,4,8,11,14,11,14,8	1,4,6,8,6,8,4
1,2,4,8,11,14,12	1,4,6,8,7
1,2,4,8,11,14,14,8	1,4,6,8,8,4
1,2,4,8,11,14,14,14,8	1,4,6,8,8,8,4
1,2,4,8,11,14,15	1,4,6,8,9
1,2,4,8,11,14,17,8	1,4,6,8,10,4
1,2,4,8,11,14,17,14,8	1,4,6,8,10,8,4
1,2,4,8,11,14,17,14,17,8	1,4,6,8,10,8,10,4
1,2,4,8,11,14,17,14,17,12	1,4,6,8,10,8,10,7
1,2,4,8,11,14,17,17,8	1,4,6,8,10,10,4
1,2,4,8,11,14,17,18	1,4,6,8,10,11
1,2,4,8,11,14,17,20,8	1,4,6,8,10,12,4

Y 序列	$0 - Y$ 序列
1,2,4,8,11,15	1,4,6,9
1,2,4,8,11,15,4,8	1,4,6,9,3,7
1,2,4,8,11,15,4,8,9,11	1,4,6,9,3,7,8,10
1,2,4,8,11,15,4, 8,9,11,6,10,11,13	1,4,6,9,3,7,8, 10,5,9,10,12
1,2,4,8,11,15, 4,8,9,11,7	1,4,6,9,3,7,8,10,6
1,2,4,8,11,15, 4,8,9,11,8	1,4,6,9,3,7,8,10,7
1,2,4,8,11,15, 4,8,9,11,15	1,4,6,9,3,7,8,11
1,2,4,8,11,15,4,8,10	1,4,6,9,3,7,9
1,2,4,8,11,15,4,8,11,8	1,4,6,9,3,7,10,7
1,2,4,8,11,15,4,8,11,15	1,4,6,9,3,7,10,14
1,2,4,8,11,15,7,12,16,21	1,4,6,9,3,7,10, 14,6,11,15,20
1,2,4,8,11,15,8	1,4,6,9,4
1,2,4,8,11,15,8,11,15	1,4,6,9,4,6,9
1,2,4,8,11,15,11,15	1,4,6,9,6,9
1,2,4,8,11,15,13,17	1,4,6,9,8,11
1,2,4,8,11,15,15	1,4,6,9,9
1,2,4,8,11,15,16	1,4,6,9,10
1,2,4,8,11,15,18,8	1,4,6,9,11,4
1,2,4,8,11,15,19	1,4,6,9,12
1,2,4,8,11,15,19,20	1,4,6,9,12,13
1,2,4,8,11,15,19,22,8	1,4,6,9,12,14,4
1,2,4,8,11,15,19,23	1,4,6,9,12,15
1,2,4,8,11,15,20	1,4,6,9,13
1,2,4,8,11,15,20,20	1,4,6,9,13,13
1,2,4,8,11,15,20,21	1,4,6,9,13,14

Y 序列	0 - Y 序列
1,2,4,8,11,15,20,25	1,4,6,9,13,17
1,2,4,8,11,15,20,25,30	1,4,6,9,13,17,21
1,2,4,8,11,15,20,26	1,4,6,9,13,18
1,2,4,8,11,16	1,4,6,10
1,2,4,8,11,16,4,8	1,4,6,10,3,7
1,2,4,8,11,16,4,8,11,8	1,4,6,10,3,7,10,7
1,2,4,8,11,16, 4,8,11,11,8	1,4,6,10,3,7,10,10,7
1,2,4,8,11,16,4,8,11,15	1,4,6,10,3,7,10,14
1,2,4,8,11,16, 4,8,11,15,20	1,4,6,10,3,7,10,14,19
1,2,4,8,11,16,4,8,11,16	1,4,6,10,3,7,10,15
1,2,4,8,11,16,7,12,15	1,4,6,10,3,7, 10,15,6,11,14
1,2,4,8,11,16,7,12,16,21	1,4,6,10,3,7,10, 15,6,11,15,20
1,2,4,8,11,16,7,12,16,22	1,4,6,10,3,7,10, 15,6,11,15,21
1,2,4,8,11,16,8	1,4,6,10,4
1,2,4,8,11,16,8,8	1,4,6,10,4,4
1,2,4,8,11,16,8,10	1,4,6,10,4,6
1,2,4,8,11,16,8,11	1,4,6,10,4,6,3, 7,10,15,7,10
1,2,4,8,11,16,8,11,8	1,4,6,10,4,6,4
1,2,4,8,11,16,8,11,11,8	1,4,6,10,4,6,6,4
1,2,4,8,11,16,8,11,12	1,4,6,10,4,6,7
1,2,4,8,11,16,8,11,15	1,4,6,10,4,6,9
1,2,4,8,11,16,8,11,16	1,4,6,10,4,6,10
1,2,4,8,11,16,8,11,16,8	1,4,6,10,4,6,10,4
1,2,4,8,11,16, 8,11,16,8,10	1,4,6,10,4,6,10,4,6



Y 序列	0 - Y 序列
1,2,4,8,11,16, 8,11,16,8,11,15	1,4,6,10,4,6,10,4,6,9
1,2,4,8,11,16, 8,11,16,8,11,16	1,4,6,10,4,6,10,4,6,10
1,2,4,8,11,16,9	1,4,6,10,5
1,2,4,8,11,16,10	1,4,6,10,6
1,2,4,8,11,16,11,8	1,4,6,10,6,4
1,2,4,8,11,16,11,15	1,4,6,10,6,9
1,2,4,8,11,16,11,15,8	1,4,6,10,6,9,4
1,2,4,8,11,16,11,16	1,4,6,10,6,10
1,2,4,8,11,16,14,19	1,4,6,10,8,12
1,2,4,8,11,16,15	1,4,6,10,9
1,2,4,8,11,16,15,19,23	1,4,6,10,9,12,15
1,2,4,8,11,16,15,21	1,4,6,10,9,14
1,2,4,8,11,16,15,21,20	1,4,6,10,9,14,13
1,2,4,8,11,16,16	1,4,6,10,10
1,2,4,8,11,16,17	1,4,6,10,11
1,2,4,8,11,16,17,15,21,22	1,4,6,10,11,9,14,15
1,2,4,8,11,16,17,16	1,4,6,10,11,10
1,2,4,8,11,16,17,18	1,4,6,10,11,12
1,2,4,8,11,16,17,19	1,4,6,10,11,13
1,2,4,8,11,16,17,19,23	1,4,6,10,11,14
1,2,4,8,11,16,18	1,4,6,10,12
1,2,4,8,11,16,19,8	1,4,6,10,12,4
1,2,4,8,11,16,19,8,8	1,4,6,10,12,4,4
1,2,4,8,11,16, 19,8,9,11,15,18,23	1,4,6,10,12,4,5,8,10,14
1,2,4,8,11,16,19,8,10	1,4,6,10,12,4,6

Y 序列	0 – Y 序列
1,2,4,8,11,16,19,8,11,8	1,4,6,10,12,4,6,4
1,2,4,8,11,16,19,8,11,11,8	1,4,6,10,12,4,6,6,4
1,2,4,8,11,16,19,8,11,15	1,4,6,10,12,4,6,9
1,2,4,8,11,16,19,8,11,16	1,4,6,10,12,4,6,10
1,2,4,8,11,16, 19,8,11,16,19,8	1,4,6,10,12,4,6,10,12,4
1,2,4,8,11,16,19,9	1,4,6,10,12,5
1,2,4,8,11,16,19,10	1,4,6,10,12,6
1,2,4,8,11,16,19,11,8	1,4,6,10,12,6,4
1,2,4,8,11,16, 19,11,8,11,16	1,4,6,10,12,6,4,6,10
1,2,4,8,11,16,19,11,9	1,4,6,10,12,6,5
1,2,4,8,11,16,19,11,11,8	1,4,6,10,12,6,6,4
1,2,4,8,11,16,19,11,14,8	1,4,6,10,12,6,8,4
1,2,4,8,11,16,19,11,15	1,4,6,10,12,6,9
1,2,4,8,11,16,19,11,16	1,4,6,10,12,6,10
1,2,4,8,11,16, 19,11,16,19,8	1,4,6,10,12,6,10,12,4
1,2,4,8,11,16,19,12	1,4,6,10,12,7
1,2,4,8,11,16,19,14,8	1,4,6,10,12,8,4
1,2,4,8,11,16,19,14,17,8	1,4,6,10,12,8,10,4
1,2,4,8,11,16,19,14,18	1,4,6,10,12,8,11
1,2,4,8,11,16,19,14,19	1,4,6,10,12,8,12
1,2,4,8,11,16,19,15	1,4,6,10,12,9
1,2,4,8,11,16,19,15,21	1,4,6,10,12,9,14
1,2,4,8,11,16, 19,15,21,24,20	1,4,6,10,12,9,14,16,13
1,2,4,8,11,16,19,16	1,4,6,10,12,10
1,2,4,8,11,16,19,17	1,4,6,10,12,11

Y 序列	$0-Y$ 序列
1,2,4,8,11,16,19,19,8	1,4,6,10,12,12,4
1,2,4,8,11,16,19,22,8	1,4,6,10,12,14,4
1,2,4,8,11,16,19,23	1,4,6,10,12,15
1,2,4,8,11,16,19,24	1,4,6,10,12,16
1,2,4,8,11,16,19,24,27,8	1,4,6,10,12,16,18,4
1,2,4,8,11,16,20	1,4,6,10,13
1,2,4,8,11,16,20,15,21,26	1,4,6,10,13,9,14,18
1,2,4,8,11,16,20,16	1,4,6,10,13,10
1,2,4,8,11,16,20,24,16	1,4,6,10,13,16,10
1,2,4,8,11,16,20,25	1,4,6,10,13,17
1,2,4,8,11,16,20,25,31	1,4,6,10,13,17,22
1,2,4,8,11,16,20,26	1,4,6,10,13,18
1,2,4,8,11,16,20,26,31,38	1,4,6,10,13,18,22,28
1,2,4,8,12	1,4,7
1,2,4,8,12,4,8	1,4,7,3,7
1,2,4,8,12,4,8,10	1,4,7,3,7,9
1,2,4,8,12,4,8,11	1,4,7,3,7,10
1,2,4,8,12,4,8,11,16	1,4,7,3,7,10,15
1,2,4,8,12,4,8,12	1,4,7,3,7,11
1,2,4,8,12,8	1,4,7,4
1,2,4,8,12,8,11,16	1,4,7,4,6,10
1,2,4,8,12,8,11,16,21	1,4,7,4,6,10,14
1,2,4,8,12,8,11,16,21,15	1,4,7,4,6,10,14,9
1,2,4,8,12,8,11,16,21,16	1,4,7,4,6,10,14,10
1,2,4,8,12,8,12	1,4,7,4,7
1,2,4,8,12,8,12,8,12	1,4,7,4,7,4,7

Y 序列	0 - Y 序列
1,2,4,8,12,9	1,4,7,5
1,2,4,8,12,9,4,8,12,9	1,4,7,5,3,7,11,8
1,2,4,8,12,9,8	1,4,7,5,4
1,2,4,8,12,9,8,11,16	1,4,7,5,4,6,10
1,2,4,8,12,9,8,11,16,21	1,4,7,5,4,6,10,14
1,2,4,8,12,9, 8,11,16,21,17	1,4,7,5,4,6,10,14,11
1,2,4,8,12,9,8,11, 16,21,17,11,16,21,17	1,4,7,5,4,6,10, 14,11,6,10,14,11
1,2,4,8,12,9,8,11, 16,21,17,14,19,24,20	1,4,7,5,4,6,10, 14,11,8,12,16,13
1,2,4,8,12,9,8, 11,16,21,17,15	1,4,7,5,4,6,10,14,11,9
1,2,4,8,12,9,8, 11,16,21,17,16	1,4,7,5,4,6,10,14,11,10
1,2,4,8,12,9,8,11, 16,21,17,16,20,26,32,27	1,4,7,5,4,6,10,14, 11,10,13,18,23,19
1,2,4,8,12,9,8,12	1,4,7,5,4,7
1,2,4,8,12,9,8,12,9	1,4,7,5,4,7,5
1,2,4,8,12,9,9	1,4,7,5,5
1,2,4,8,12,10	1,4,7,6
1,2,4,8,12,11,8	1,4,7,6,4
1,2,4,8,12,11, 8,11,16,21,20	1,4,7,6,4,6,10,14,13
1,2,4,8,12,11, 8,11,16,21,20,16	1,4,7,6,4,6,10,14,13,10
1,2,4,8,12,11,8,12	1,4,7,6,4,7
1,2,4,8,12,11,9	1,4,7,6,5
1,2,4,8,12,11,11,8,12	1,4,7,6,6,4,7
1,2,4,8,12,11,12	1,4,7,6,7
1,2,4,8,12,11,14,8,12	1,4,7,6,8,4,7
1,2,4,8,12,11,14,17,8,12	1,4,7,6,8,10,4,7

Y 序列	$0-Y$ 序列
1,2,4,8,12,11,15	1,4,7,6,9
1,2,4,8,12,11,15,20	1,4,7,6,9,13
1,2,4,8,12,11,16	1,4,7,6,10
1,2,4,8,12,11,16,20,16	1,4,7,6,10,13,10
1,2,4,8,12,11,16,20,26	1,4,7,6,10,13,18
1,2,4,8,12,11,16,21	1,4,7,6,10,14
1,2,4,8,12,12	1,4,7,7
1,2,4,8,12,12,8,12	1,4,7,7,4,7
1,2,4,8,12,12,8,12,9	1,4,7,7,4,7,5
1,2,4,8,12,12,8,12,10	1,4,7,7,4,7,6
1,2,4,8,12,12, 8,12,11,8,12	1,4,7,7,4,7,6,4,7
1,2,4,8,12,12, 8,12,11,16,21,21	1,4,7,7,4,7,6,10,14,14
1,2,4,8,12,12,8,12,12	1,4,7,7,4,7,7
1,2,4,8,12,12,10,8,12	1,4,7,7,6,3, 7,11,11,9,7,11
1,2,4,8,12,12,11,8	1,4,7,7,6,4
1,2,4,8,12,12,11,8,12	1,4,7,7,6,4,7
1,2,4,8,12,12,11,8,12,10	1,4,7,7,6,4,7,6
1,2,4,8,12,12, 11,8,12,11,16,21,21	1,4,7,7,6,4, 7,6,10,14,14
1,2,4,8,12,12,11,8,12, 11,16,21,21,19,24,29,29	1,4,7,7,6,4,7,6, 10,14,14,12,16,20,20
1,2,4,8,12,12,11,8,12,12	1,4,7,7,6,4,7,7
1,2,4,8,12,12, 11,14,8,12,12	1,4,7,7,6,8,4,7,7
1,2,4,8,12,12,11,15	1,4,7,7,6,9
1,2,4,8,12,12,11,16,21,21	1,4,7,7,6,10,14,14
1,2,4,8,12,12,12	1,4,7,7,7

Y 序列	0 - Y 序列
1,2,4,8,12,12,12,12	1,4,7,7,7,7
1,2,4,8,12,13	1,4,7,8
1,2,4,8,12,13,15	1,4,7,8,10
1,2,4,8,12,13,15,17,19	1,4,7,8,10,12,14
1,2,4,8,12,13,15,18	1,4,7,8,10,13
1,2,4,8,12,13,15,19	1,4,7,8,11
1,2,4,8,12,13,15,19,23	1,4,7,8,11,14
1,2,4,8,12,14	1,4,7,9
1,2,4,8,12,14,4	1,4,7,9,3
1,2,4,8,12,14,4,8	1,4,7,9,3,7
1,2,4,8,12,14,4,8,12	1,4,7,9,3,7,11
1,2,4,8,12,14,4,8,12,13	1,4,7,9,3,7,11,12
1,2,4,8,12,14, 4,8,12,13,15,19	1,4,7,9,3,7,11,12,15
1,2,4,8,12,14,4, 8,12,13,15,19,23	1,4,7,9,3,7,11,12,15,18
1,2,4,8,12,14,4, 8,12,13,15,19,23,25	1,4,7,9,3,7, 11,12,15,18,20
1,2,4,8,12,14,4,8, 12,13,15,19,23,25,7	1,4,7,9,3,7,11, 12,15,18,20,6
1,2,4,8,12,14,4,8,12, 13,15,19,23,25,11,15	1,4,7,9,3,7,11, 12,15,18,20,10,14
1,2,4,8,12,14,4,8,12,14	1,4,7,9,3,7,11,13
1,2,4,8,12,14,7	1,4,7,9,3,7,11,13,6
1,2,4,8,12,14,8	1,4,7,9,3,7,11,13,7
1,2,4,8,12,14,8,12	1,4,7,9,3,7,11,13,7,11
1,2,4,8,12,14,8, 12,13,15,19,23,25	1,4,7,9,3,7,11, 13,7,11,12,15,18,20
1,2,4,8,12,14,8, 12,13,15,19,23,25,9	1,4,7,9,3,7,11,13, 7,11,12,15,18,20,8
1,2,4,8,12,14,8, 12,13,15,19,23,25,10	1,4,7,9,3,7,11,13, 7,11,12,15,18,20,9

Y 序列	0 – Y 序列
1,2,4,8,12,14,8,12,14	1,4,7,9,3,7, 11,13,7,11,13
1,2,4,8,12,14,9	1,4,7,9,3,7,11,13,8
1,2,4,8,12,14,11,8	1,4,7,9,3,7,11,13,10,7
1,2,4,8,12,14,11,8,12,14	1,4,7,9,3,7,11, 13,10,7,11,13
1,2,4,8,12,14, 11,14,8,12,14	1,4,7,9,3,7,11, 13,13,10,7,11,13
1,2,4,8,12,14,11,15	1,4,7,9,3,7,11,13,10,14
1,2,4,8,12,14,11,16	1,4,7,9,3,7,11,13,10,15
1,2,4,8,12,14,11,16,21,23	1,4,7,9,3,7, 11,13,10,15,20,22
1,2,4,8,12,14,12	1,4,7,9,3,7,11,13,11
1,2,4,8,12,14,14	1,4,7,9,3,7,11,13,11,13
1,2,4,8,12,14,16	1,4,7,9,3,7,11,13,13
1,2,4,8,12,14,16,18	1,4,7,9,3,7,11,13,15
1,2,4,8,12,14,17	1,4,7,9,3,7,11,13,16
1,2,4,8,12,14,18	1,4,7,9,3,7,11,13,17
1,2,4,8,12,14,18,22	1,4,7,9,3,7,11,13,17,21
1,2,4,8,12,14,18,22,24	1,4,7,9,3,7, 11,13,17,21,23
1,2,4,8,12,15	1,4,7,9,3,7,11,14
1,2,4,8,12,15,4,8,12,15	1,4,7,9,3,7,11, 14,3,7,11,14
1,2,4,8,12,15,7, 12,17,20,12,17,19	1,4,7,9,3,7,11,14, 6,11,16,19,11,16,18
1,2,4,8,12,15,7,12, 17,20,12,17,19,23,27,30	1,4,7,9,3,7,11,14,6,11, 16,19,11,16,18,22,26,29
1,2,4,8,12,15,7,12,17,21	1,4,7,9,3,7,11, 14,6,11,16,20
1,2,4,8,12,15,8	1,4,7,9,4
1,2,4,8,12,15, 8,11,16,21,25	1,4,7,9,4,6,10,14,17

Y 序列	0 – Y 序列
1,2,4,8,12,15,8,12	1,4,7,9,4,7
1,2,4,8,12,15,8,12,14	1,4,7,9,4,7,9
1,2,4,8,12,15,8,12,15,8	1,4,7,9,4,7,9,4
1,2,4,8,12,15,8, 12,15,8,12,15,8	1,4,7,9,4,7, 9,4,7,9,4
1,2,4,8,12,15,9	1,4,7,9,5
1,2,4,8,12,15,9,4	1,4,7,9,5,3
1,2,4,8,12,15,9,8	1,4,7,9,5,4
1,2,4,8,12,15, 9,8,12,15,8	1,4,7,9,5,4,7,9,4
1,2,4,8,12,15, 9,8,12,15,9	1,4,7,9,5,4,7,9,5
1,2,4,8,12,15,9,9	1,4,7,9,5,5
1,2,4,8,12,15,10	1,4,7,9,6
1,2,4,8,12,15,11,8	1,4,7,9,6,4
1,2,4,8,12,15, 11,8,12,15,9	1,4,7,9,6,4,7,9,5
1,2,4,8,12,15, 11,8,12,15,9,9	1,4,7,9,6,4,7,9,5,5
1,2,4,8,12,15, 11,8,12,15,10	1,4,7,9,6,4,7,9,6
1,2,4,8,12,15,11,9	1,4,7,9,6,5
1,2,4,8,12,15,11,12	1,4,7,9,6,7
1,2,4,8,12,15, 11,14,8,12,15,9	1,4,7,9,6,8,4,7,9,5
1,2,4,8,12,15,11,15	1,4,7,9,6,9
1,2,4,8,12,15,11,16	1,4,7,9,6,10
1,2,4,8,12,15,11,16,21,24	1,4,7,9,6,10,14,16
1,2,4,8,12,15,11,16, 21,24,8,12,15,9	1,4,7,9,6,10, 14,16,4,7,9,5
1,2,4,8,12,15,11,16,21,25	1,4,7,9,6,10,14,17



Y 序列	0 – Y 序列
1,2,4,8,12,15, 11,16,21,25,16	1,4,7,9,6,10,14,17,10
1,2,4,8,12,15, 11,16,21,25,17	1,4,7,9,6,10,14,17,11
1,2,4,8,12,15,11, 16,21,25,20,26,32,37,27	1,4,7,9,6,10,14, 17,13,18,23,27,19
1,2,4,8,12,15,12	1,4,7,9,7
1,2,4,8,12,15,12,8	1,4,7,9,7,4
1,2,4,8,12,15, 12,8,12,15,9	1,4,7,9,7,4,7,9,5
1,2,4,8,12,15, 12,8,12,15,9,9	1,4,7,9,7,4,7,9,5,5
1,2,4,8,12,15, 12,8,12,15,10	1,4,7,9,7,4,7,9,6
1,2,4,8,12,15,12,8, 12,15,11,16,21,25,21	1,4,7,9,7,4,7, 9,6,10,14,17,14
1,2,4,8,12,15,12,8, 12,15,11,16,21,25,21,15	1,4,7,9,7,4,7, 9,6,10,14,17,14,9
1,2,4,8,12,15, 12,8,12,15,12	1,4,7,9,7,4,7,9,7
1,2,4,8,12,15,12,9	1,4,7,9,7,5
1,2,4,8,12,15, 12,11,8,12,15,12	1,4,7,9,7,6,4,7,9,7
1,2,4,8,12,15,12, 11,14,8,12,15,12	1,4,7,9,7, 6,8,4,7,9,7
1,2,4,8,12,15,12,11,15	1,4,7,9,7,6,9
1,2,4,8,12,15, 12,11,16,21,25,17	1,4,7,9,7,6,10,14,17,11
1,2,4,8,12,15, 12,11,16,21,25,21	1,4,7,9,7,6,10,14,17,14
1,2,4,8,12,15,12,12	1,4,7,9,7,7
1,2,4,8,12,15,12, 12,11,16,21,25,17	1,4,7,9,7,7, 6,10,14,17,11
1,2,4,8,12,15,12, 12,11,16,21,25,21,21	1,4,7,9,7,7,6, 10,14,17,14,14
1,2,4,8,12,15,12,12,12	1,4,7,9,7,7,7
1,2,4,8,12,15,12,13	1,4,7,9,7,8

Y 序列	0 - Y 序列
1,2,4,8,12,15,12,14	1,4,7,9,7,9
1,2,4,8,12,15,12,15,8	1,4,7,9,7,9,4
1,2,4,8,12,15, 12,15,8,12,14	1,4,7,9,7,9,4,7,9
1,2,4,8,12,15, 12,15,8,12,15,8	1,4,7,9,7,9,4,7,9,4
1,2,4,8,12,15, 12,15,8,12,15,9	1,4,7,9,7,9,4,7,9,5
1,2,4,8,12,15, 12,15,8,12,15,12	1,4,7,9,7,9,4,7,9,7
1,2,4,8,12,15, 12,15,8,12,15,12,13	1,4,7,9,7,9, 4,7,9,7,8
1,2,4,8,12,15,12, 15,8,12,15,12,15,8	1,4,7,9,7,9, 4,7,9,7,9,4
1,2,4,8,12,15,12,15, 8,12,15,12,15,8,12,15,9	1,4,7,9,7,9,4, 7,9,7,9,4,7,9,5
1,2,4,8,12,15,12,15,9	1,4,7,9,7,9,5
1,2,4,8,12,15,12,15,11,15	1,4,7,9,7,9,6,9
1,2,4,8,12,15,12, 15,11,16,21,25,17	1,4,7,9,7,9, 6,10,14,17,11
1,2,4,8,12,15,12, 15,11,16,21,25,21,25,17	
1,2,4,8,12,15,12,15,12	1,4,7,9,7,9,7
1,2,4,8,12,15,12,15,12,13	1,4,7,9,7,9,7,8
1,2,4,8,12,15,12,15,12,14	1,4,7,9,7,9,7,9
1,2,4,8,12,15, 12,15,12,15,8	1,4,7,9,7,9,7,9,4
1,2,4,8,12,15, 12,15,12,15,9	1,4,7,9,7,9,7,9,5
1,2,4,8,12,15,12, 15,12,15,12,15,9	1,4,7,9,7,9, 7,9,7,9,5
1,2,4,8,12,15,13	1,4,7,9,8
1,2,4,8,12,15, 15,8,12,15,13	1,4,7,9,9,4,7,9,8
1,2,4,8,12,15,15,9	1,4,7,9,9,5

Y 序列	0 – Y 序列
1,2,4,8,12,15,15,10,13	1,4,7,9,9,6,9
1,2,4,8,12,15, 15,11,16,21,25,17	1,4,7,9,9,6,10,14,17,11
1,2,4,8,12,15, 15,11,16,21,25,25,17	1,4,7,9,9,6, 10,14,17,17,11
1,2,4,8,12,15,15,12	1,4,7,9,9,7
1,2,4,8,12,15,15,12,15,9	1,4,7,9,9,7,9,5
1,2,4,8,12,15, 15,12,15,15,9	1,4,7,9,9,7,9,9,5
1,2,4,8,12,15,15,13	1,4,7,9,9,8
1,2,4,8,12,15,15,15,9	1,4,7,9,9,9,5
1,2,4,8,12,15,15, 15,12,15,15,15,9	1,4,7,9,9, 9,7,9,9,9,5
1,2,4,8,12,15,15,15,15,9	1,4,7,9,9,9,9,5
1,2,4,8,12,15,16	1,4,7,9,10
1,2,4,8,12,15,18,9	1,4,7,9,11,5
1,2,4,8,12,15,18,11,15	1,4,7,9,11,6,9
1,2,4,8,12,15,18,12	1,4,7,9,11,7
1,2,4,8,12,15,18,12,15,9	1,4,7,9,11,7,9,5
1,2,4,8,12,15, 18,12,15,18,9	1,4,7,9,11,7,9,11,5
1,2,4,8,12,15,18,15,9	1,4,7,9,11,9,5
1,2,4,8,12,15,18,15,18,9	1,4,7,9,11,9,11,5
1,2,4,8,12,15,18,16	1,4,7,9,11,10
1,2,4,8,12,15,18,18,9	1,4,7,9,11,11,5
1,2,4,8,12,15, 18,18,15,18,18,9	1,4,7,9,11,11,9,11,11,5
1,2,4,8,12,15,18,18,18,9	1,4,7,9,11,11,11,5
1,2,4,8,12,15,18,19	1,4,7,9,11,12
1,2,4,8,12,15,18,21,9	1,4,7,9,11,13,5

Y 序列	0 - Y 序列
1,2,4,8,12,15,18,21,21,9	1,4,7,9,11,13,13,5
1,2,4,8,12,15,18,21,24,9	1,4,7,9,11,13,15,5
1,2,4,8,12,15,19	1,4,7,9,12
1,2,4,8,12,15, 19,11,16,21,25,17	1,4,7,9,12,6,10,14,17,11
1,2,4,8,12,15, 19,11,16,21,25,30	1,4,7,9,12,6,10,14,17,21
1,2,4,8,12,15,19,19	1,4,7,9,12,12
1,2,4,8,12,15,19,23,27	1,4,7,9,12,15,18
1,2,4,8,12,15,19,24	1,4,7,9,12,16
1,2,4,8,12,15,20	1,4,7,9,13
1,2,4,8,12,15,20, 25,28,8,12,15,9	1,4,7,9,13, 17,19,4,7,9,5
1,2,4,8,12,15,20,25,28,9	1,4,7,9,13,17,19,5
1,2,4,8,12,15,20,25,29	1,4,7,9,13,17,20
1,2,4,8,12,15,20,25,29,20	1,4,7,9,13,17,20,13
1,2,4,8,12,15,20,25,29,21	1,4,7,9,13,17,20,14
1,2,4,8,12,15,20, 25,29,21,11,16,21,25,17	1,4,7,9,13,17,20, 14,6,10,14,17,11
1,2,4,8,12,15, 20,25,29,35,41,46,36	1,4,7,9,13,17, 20,25,30,34,26
1,2,4,8,12,16	1,4,7,10
1,2,4,8,12,16, 8,12,15,20,25,30	
1,2,4,8,12,16,8,12,15,20, 25,30,20,25,29,35,41,47	1,4,7,10,4,7,9,13,17, 21,13,17,20,25,30,35
1,2,4,8,12,16,8,12,16	1,4,7,10,4,7,10
1,2,4,8,12,16,9	1,4,7,10,5
1,2,4,8,12,16,11,8,12,16	1,4,7,10,6,4,7,10
1,2,4,8,12,16,11,15	1,4,7,10,6,9
1,2,4,8,12,16, 11,16,21,25,17	1,4,7,10,6,10,14,17,11

Y 序列	0 - Y 序列
1,2,4,8,12,16,11,16,21,26	1,4,7,10,6,10,14,18
1,2,4,8,12,16,12	1,4,7,10,7
1,2,4,8,12,16, 12,11,16,21,26,21	1,4,7,10,7,6,10,14,18,14
1,2,4,8,12,16,12,12	1,4,7,10,7,7
1,2,4,8,12,16,12,13	1,4,7,10,7,8
1,2,4,8,12,16,12,14	1,4,7,10,7,9
1,2,4,8,12,16,12,15,8	1,4,7,10,7,9,4
1,2,4,8,12,16,12,15, 8,12,15,20,25,30,25,28,9	1,4,7,10,7,9,4,7, 9,13,17,21,17,19,5
1,2,4,8,12,16, 12,15,8,12,16	1,4,7,10,7,9,4,7,10
1,2,4,8,12,16,12,15,9	1,4,7,10,7,9,5
1,2,4,8,12,16,12,15,9,8	1,4,7,10,7,9,5,4
1,2,4,8,12,16,12, 15,9,8,12,15,9	1,4,7,10,7, 9,5,4,7,9,5
1,2,4,8,12,16,12, 15,9,8,12,15,11,16	1,4,7,10,7,9, 5,4,7,9,6,10
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,25,17	1,4,7,10,7,9,5, 4,7,9,6,10,14,17,11
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,25,21	1,4,7,10,7,9,5,4, 7,9,6,10,14,17,14
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,25,30	1,4,7,10,7,9,5,4, 7,9,6,10,14,17,21
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,25,31	1,4,7,10,7,9,5,4, 7,9,6,10,14,17,22
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,26	1,4,7,10,7,9,5,4, 7,9,6,10,14,18
1,2,4,8,12,16,12,15, 9,8,12,15,11,16,21,26,21	1,4,7,10,7,9,5,4, 7,9,6,10,14,18,14
1,2,4,8,12,16,12, 15,9,8,12,15,12	1,4,7,10,7,9, 5,4,7,9,7
1,2,4,8,12,16,12,15, 9,8,12,15,12,15,12	1,4,7,10,7,9,5, 4,7,9,7,9,7
1,2,4,8,12,16,12, 15,9,8,12,15,15,12	1,4,7,10,7,9, 5,4,7,9,9,7

Y 序列	0 – Y 序列
1,2,4,8,12,16,12, 15,9,8,12,15,18,12	1,4,7,10,7,9, 5,4,7,9,11,7
1,2,4,8,12,16,12, 15,9,8,12,15,19	1,4,7,10,7,9, 5,4,7,9,12
1,2,4,8,12,16, 12,15,9,8,12,16	1,4,7,10,7,9,5,4,7,10
1,2,4,8,12,16,12, 15,9,8,12,16,12	1,4,7,10,7,9, 5,4,7,10,7
1,2,4,8,12,16,12, 15,9,8,12,16,12,15	1,4,7,10,7,9, 5,4,7,10,7,9
1,2,4,8,12,16, 12,15,9,8,12,16,9	1,4,7,10,7,9,5, 4,7,10,7,9,5
1,2,4,8,12,16,12,15,10	1,4,7,10,7,9,6
1,2,4,8,12,16,12, 15,11,8,12,16,12,15,9	1,4,7,10,7,9, 6,4,7,10,7,9,5
1,2,4,8,12,16,12,15,11,9	1,4,7,10,7,9,6,5
1,2,4,8,12,16,12,15,11,10	1,4,7,10,7,9,6,6
1,2,4,8,12,16,12,15,11,15	1,4,7,10,7,9,6,9
1,2,4,8,12,16,12, 15,11,16,21,26,21,25,17	1,4,7,10,7,9,6, 10,14,18,14,17,11
1,2,4,8,12,16,12,15,12	1,4,7,10,7,9,7
1,2,4,8,12,16,12,15,12,12	1,4,7,10,7,9,7,7
1,2,4,8,12,16, 12,15,12,15,9	1,4,7,10,7,9,7,9,5
1,2,4,8,12,16,12, 15,12,15,11,16,21,26	1,4,7,10,7,9, 7,9,6,10,14,18
1,2,4,8,12,16, 12,15,12,15,12	1,4,7,10,7,9,7,9,7
1,2,4,8,12,16,12,15,15,9	1,4,7,10,7,9,9,5
1,2,4,8,12,16,12,15,15,12	1,4,7,10,7,9,9,7
1,2,4,8,12,16, 12,15,15,12,15,9	1,4,7,10,7,9,9,7,9,5
1,2,4,8,12,16,12,15,19	1,4,7,10,7,9,12
1,2,4,8,12,16,12,15,20	1,4,7,10,7,9,13

Y 序列	0 – Y 序列
1,2,4,8,12,16, 12,15,20,25,29,21	1,4,7,10,7,9,13,17,20,14
1,2,4,8,12,16, 12,15,20,25,29,25	1,4,7,10,7,9,13,17,20,17
1,2,4,8,12,16, 12,15,20,25,30	1,4,7,10,7,9,13,17,21
1,2,4,8,12,16, 12,15,20,25,30,25	1,4,7,10,7,9,13,17,21,17
1,2,4,8,12,16,12, 15,20,25,30,25,29	1,4,7,10,7,9, 13,17,21,17,20
1,2,4,8,12,16,12, 15,20,25,30,25,29,21	1,4,7,10,7,9,13, 17,21,17,20,14
1,2,4,8,12,16,12,16	1,4,7,10,7,10
1,2,4,8,12,16,12,16,12	1,4,7,10,7,10,7
1,2,4,8,12,16,12,16,12,14	1,4,7,10,7,10,7,9
1,2,4,8,12,16, 12,16,12,15,9	1,4,7,10,7,10,7,9,5
1,2,4,8,12,16, 12,16,12,15,15,9	1,4,7,10,7,10,7,9,6,5
1,2,4,8,12,16, 12,16,12,15,12	1,4,7,10,7,10,7,9,7
1,2,4,8,12,16,12, 16,12,15,12,15,12	1,4,7,10,7, 10,7,9,7,9,7
1,2,4,8,12,16,12,16,12,16	1,4,7,10,7,10,7,10
1,2,4,8,12,16, 12,16,12,16,12,15,9	1,4,7,10,7,10, 7,10,7,9,5
1,2,4,8,12,16, 12,16,12,16,12,16	1,4,7,10,7,10,7,10,7,10
1,2,4,8,12,16,13	1,4,7,10,8
1,2,4,8,12,16,13,8	1,4,7,10,8,4
1,2,4,8,12,16,13,8,12,14	1,4,7,10,8,4,7,9
1,2,4,8,12,16, 13,8,12,15,9	1,4,7,10,8,4,7,9,5
1,2,4,8,12,16,13, 8,12,15,9,8,12,15,9	1,4,7,10,8,4,7, 9,5,4,7,9,5
1,2,4,8,12,16,13, 8,12,15,11,16,21,25,17	1,4,7,10,8,4,7, 9,6,10,14,17,11

Y 序列	0 - Y 序列
1,2,4,8,12,16,13, 8,12,15,11,16,21,25,21	1,4,7,10,8,4,7, 9,6,10,14,17,14
1,2,4,8,12,16,13, 8,12,15,11,16,21,26	1,4,7,10,8,4,7, 9,6,10,14,18
1,2,4,8,12,16,13,8, 12,15,11,16,21,26,21,26	1,4,7,10,8,4,7, 9,6,10,14,18,14,18
1,2,4,8,12,16,13, 8,12,15,11,16,21,26,22	1,4,7,10,8,4,7, 9,6,10,14,18,15
1,2,4,8,12,16,13,8,12, 15,11,16,21,26,22,11,15	1,4,7,10,8,4,7, 9,6,10,14,18,15,6,9
1,2,4,8,12,16,13,8, 12,15,11,16,21,26,22,13	1,4,7,10,8,4,7, 9,6,10,14,18,15,8
1,2,4,8,12,16,13,8,12, 15,11,16,21,26,22,14,18	1,4,7,10,8,4,7,9, 6,10,14,18,15,8,11
1,2,4,8,12,16,13,8,12, 15,11,16,21,26,22,14,19	1,4,7,10,8,4,7,9, 6,10,14,18,15,8,12
1,2,4,8,12,16,13,8, 12,15,11,16,21,26,22,15	1,4,7,10,8,4,7,9, 6,10,14,18,15,9
1,2,4,8,12,16,13,8, 12,15,11,16,21,26,22,16	1,4,7,10,8,4,7,9, 6,10,14,18,15,10
1,2,4,8,12,16, 13,8,12,15,12	1,4,7,10,8,4,7,9,7
1,2,4,8,12,16, 13,8,12,15,12,15,12	1,4,7,10,8, 4,7,9,7,9,7
1,2,4,8,12,16, 13,8,12,15,15,12	1,4,7,10,8,4,7,9,9,7
1,2,4,8,12,16, 13,8,12,15,18,12	1,4,7,10,8,4,7,9,11,7
1,2,4,8,12,16, 13,8,12,15,19	1,4,7,10,8,4,7,9,12
1,2,4,8,12,16, 13,8,12,15,20	1,4,7,10,8,4,7,9,13
1,2,4,8,12,16,13, 8,12,15,20,25,30,26	1,4,7,10,8,4, 7,9,13,17,21,18
1,2,4,8,12,16,13,8, 12,15,20,25,30,26,11,16	1,4,7,10,8,4,7, 9,13,17,21,18,6,10
1,2,4,8,12,16,13,8, 12,15,20,25,30,26,12	1,4,7,10,8,4,7, 9,13,17,21,18,7
1,2,4,8,12,16,13,8, 12,15,20,25,30,26,14	1,4,7,10,8,4,7, 9,13,17,21,18,9



Y 序列	0 – Y 序列
1,2,4,8,12,16,13,8, 12,15,20,25,30,26,15,19	1,4,7,10,8,4,7,9, 13,17,21,18,9,12
1,2,4,8,12,16,13, 8,12,15,20,25,30,26,17	1,4,7,10,8,4,7, 9,13,17,21,18,11
1,2,4,8,12,16,13, 8,12,15,20,25,30,26,19	1,4,7,10,8,4,7,9, 13,17,21,18,12
1,2,4,8,12,16,13, 8,12,15,20,25,30,26,20	1,4,7,10,8,4,7,9, 13,17,21,18,13
1,2,4,8,12,16,13,8,12,16	1,4,7,10,8,4,7,10
1,2,4,8,12,16, 13,8,12,16,12	1,4,7,10,8,4,7,10,7
1,2,4,8,12,16, 13,8,12,16,12,14	1,4,7,10,8,4,7,10,7,9
1,2,4,8,12,16, 13,8,12,16,12,15,9	1,4,7,10,8,4, 7,10,7,9,5
1,2,4,8,12,16, 13,8,12,16,12,15,12	1,4,7,10,8,4, 7,10,7,9,7
1,2,4,8,12,16,13, 8,12,16,12,15,12,15,9	1,4,7,10,8,4, 7,10,7,9,7,9,5
1,2,4,8,12,16,13, 8,12,16,12,15,19	1,4,7,10,8,4, 7,10,7,9,12
1,2,4,8,12,16,13,8, 12,16,12,15,20,25,30	1,4,7,10,8,4,7, 10,7,9,13,17,21
1,2,4,8,12,16,13,8, 12,16,12,15,20,25,30,26	1,4,7,10,8,4,7,10, 7,9,13,17,21,18
1,2,4,8,12,16, 13,8,12,16,12,16	1,4,7,10,8,4,7,10,7,10
1,2,4,8,12,16, 13,8,12,16,13	1,4,7,10,8,4,7,10,8
1,2,4,8,12,16,13,9	1,4,7,10,8,5
1,2,4,8,12,16, 13,11,8,12,16,13	1,4,7,10,8,6,4,7,10,8
1,2,4,8,12,16,13,11,15	1,4,7,10,8,6,9
1,2,4,8,12,16, 13,11,16,21,25,17	1,4,7,10,8,6,10,14,17,11
1,2,4,8,12,16, 13,11,16,21,26,22	1,4,7,10,8,6,10,14,18,15
1,2,4,8,12,16,13,12	1,4,7,10,8,7

Y 序列	0 - Y 序列
1,2,4,8,12,16,13,12,11,15	1,4,7,10,8,7,6,9
1,2,4,8,12,16, 13,12,11,16,21,25,17	1,4,7,10,8,7, 6,10,14,17,11
1,2,4,8,12,16, 13,12,11,16,21,26	1,4,7,10,8,7,6,10,14,18
1,2,4,8,12,16, 13,12,11,16,21,26,21	1,4,7,10,8,7, 6,10,14,18,14
1,2,4,8,12,16,13, 12,11,16,21,26,21,25,17	1,4,7,10,8,7,6, 10,14,18,14,17,11
1,2,4,8,12,16,13, 12,11,16,21,26,21,26	1,4,7,10,8,7,6, 10,14,18,14,18
1,2,4,8,12,16,13, 12,11,16,21,26,22	1,4,7,10,8,7, 6,10,14,18,15
1,2,4,8,12,16,13, 12,11,16,21,26,22,21	1,4,7,10,8,7,6, 10,14,18,15,14
1,2,4,8,12,16,13,12,12	1,4,7,10,8,7,7
1,2,4,8,12,16,13,12,13	1,4,7,10,8,7,8
1,2,4,8,12,16,13,12,15,9	1,4,7,10,8,7,9,5
1,2,4,8,12,16, 13,12,15,11,16	1,4,7,10,8,7,9,6,9
1,2,4,8,12,16, 13,12,15,11,16,21,25,17	1,4,7,10,8,7,9, 6,10,14,17,11
1,2,4,8,12,16, 13,12,15,11,16,21,26	1,4,7,10,8,7, 9,6,10,14,18
1,2,4,8,12,16,13, 12,15,11,16,21,26,22	1,4,7,10,8,7,9, 6,10,14,18,15
1,2,4,8,12,16,13,12,15,12	1,4,7,10,8,7,9,7
1,2,4,8,12,16,13,12,15,19	1,4,7,10,8,7,9,12
1,2,4,8,12,16, 13,12,15,20,25,29,21	1,4,7,10,8,7, 9,13,17,20,14
1,2,4,8,12,16, 13,12,15,20,25,30	1,4,7,10,8, 7,9,13,17,21
1,2,4,8,12,16, 13,12,15,20,25,30,26	1,4,7,10,8,7, 9,13,17,21,18
1,2,4,8,12,16,13, 12,15,20,25,30,26,25,29,21	1,4,7,10,8,7,9,13, 17,21,18,17,20,14
1,2,4,8,12,16,13,12,16	1,4,7,10,8,7,10

Y 序列	0 - Y 序列
1,2,4,8,12,16,13,12,16,13	1,4,7,10,8,7,10,8
1,2,4,8,12,16,13,13	1,4,7,10,8,8
1,2,4,8,12,16,13,14	1,4,7,10,8,9
1,2,4,8,12,16,13,15	1,4,7,10,8,10
1,2,4,8,12,16, 13,15,19,23,27,24	1,4,7,10,8,11,14,17,15
1,2,4,8,12,16,14	1,4,7,10,9
1,2,4,8,12,16,14,2	1,4,7,10,9,2
1,2,4,8,12,16,14,4	1,4,7,10,9,3
1,2,4,8,12,16, 14,8,12,16,13	1,4,7,10,9,3,7,11, 15,13,7,11,15,12
1,2,4,8,12,16, 14,8,12,16,14	1,4,7,10,9,3,7,11, 15,13,7,11,15,13
1,2,4,8,12,16,14,9	1,4,7,10,9,3, 7,11,15,13,8
1,2,4,8,12,16,14,10	1,4,7,10,9,3, 7,11,15,13,9
1,2,4,8,12,16,14,10,9	1,4,7,10,9,3, 7,11,15,13,9,8
1,2,4,8,12,16,14,10,11	1,4,7,10,9,3,7, 11,15,13,9,10
1,2,4,8,12,16,14,10,12	1,4,7,10,9,3,7, 11,15,13,9,11
1,2,4,8,12,16, 14,10,14,18,22,19	1,4,7,10,9,3,7,11, 15,13,9,13,17,21,18
1,2,4,8,12,16, 14,11,8,12,16,14	1,4,7,10,9,3,7,11, 15,13,10,7,11,15,13
1,2,4,8,12,16,15	1,4,7,10,9, 3,7,11,15,14
1,2,4,8,12,16,15,8	1,4,7,10,9,4
1,2,4,8,12,16, 15,8,12,15,9	1,4,7,10,9,4,7,9,5
1,2,4,8,12,16,15,8,12,16	1,4,7,10,9,4,7,10
1,2,4,8,12,16, 15,8,12,16,13	1,4,7,10,9,4,7,10,8

Y 序列	0 - Y 序列
1,2,4,8,12,16, 15,8,12,16,14	1,4,7,10,9,4,7,10,9
1,2,4,8,12,16,15,9	1,4,7,10,9,5
1,2,4,8,12,16,15,9,8	1,4,7,10,9,5,4
1,2,4,8,12,16, 15,9,8,12,16	1,4,7,10,9,5,4,7,10
1,2,4,8,12,16, 15,9,8,12,16,14	1,4,7,10,9,5,4,7,10,9
1,2,4,8,12,16,15,9, 8,12,16,15,8,12,16,14	1,4,7,10,9,5,4, 7,10,9,4,7,10,9
1,2,4,8,12,16, 15,9,8,12,16,15,9	1,4,7,10,9, 5,4,7,10,9,5
1,2,4,8,12,16,15,9,9	1,4,7,10,9,5,5
1,2,4,8,12,16,15,10	1,4,7,10,9,6
1,2,4,8,12,16, 15,11,8,12,16,14	1,4,7,10,9,6,4,7,10,9
1,2,4,8,12,16, 15,11,8,12,16,15,9	1,4,7,10,9,6, 4,7,10,9,5
1,2,4,8,12,16,15,11,13	1,4,7,10,9,6,8
1,2,4,8,12,16,15,11,15	1,4,7,10,9,6,9
1,2,4,8,12,16,15,11,16	1,4,7,10,9,6,10
1,2,4,8,12,16, 15,11,16,21,25,17	1,4,7,10,9,6, 10,14,17,11
1,2,4,8,12,16, 15,11,16,21,26	1,4,7,10,9,6,10,14,18
1,2,4,8,12,16, 15,11,16,21,26,21,25,17	1,4,7,10,9,6,10, 14,18,14,17,11
1,2,4,8,12,16, 15,11,16,21,26,21,26	1,4,7,10,9,6, 10,14,18,14,18
1,2,4,8,12,16, 15,11,16,21,26,22	1,4,7,10,9, 6,10,14,18,15
1,2,4,8,12,16,15,11, 16,21,26,24,8,12,16,15,9	1,4,7,10,9,6,10, 14,18,16,4,7,10,9,5
1,2,4,8,12,16,15, 11,16,21,26,24,9	1,4,7,10,9,6, 10,14,18,16,5
1,2,4,8,12,16,15, 11,16,21,26,24,15	1,4,7,10,9,6, 10,14,18,16,9

Y 序列	0 – Y 序列
1,2,4,8,12,16,15, 11,16,21,26,24,20	1,4,7,10,9,6, 10,14,18,16,13
1,2,4,8,12,16,15, 11,16,21,26,24,21	1,4,7,10,9,6, 10,14,18,16,14
1,2,4,8,12,16,15, 11,16,21,26,24,21,25,17	1,4,7,10,9,6,10, 14,18,16,14,17,11
1,2,4,8,12,16,15, 11,16,21,26,24,21,26	1,4,7,10,9,6,10, 14,18,16,14,18
1,2,4,8,12,16,15, 11,16,21,26,24,21,26,22	1,4,7,10,9,6,10, 14,18,16,14,18,15
1,2,4,8,12,16,15, 11,16,21,26,24,28	1,4,7,10,9,6, 10,14,18,16,19
1,2,4,8,12,16,15, 11,16,21,26,25	1,4,7,10,9,6, 10,14,18,17
1,2,4,8,12,16,15, 11,16,21,26,25,17	1,4,7,10,9,6, 10,14,18,17,11
1,2,4,8,12,16,15,12	1,4,7,10,9,7
1,2,4,8,12,16,15, 12,11,16,21,26,25,21	1,4,7,10,9,7, 6,10,14,18,17,14
1,2,4,8,12,16,15,12,12	1,4,7,10,9,7,7
1,2,4,8,12,16,15,12,13	1,4,7,10,9,7,8
1,2,4,8,12,16,15,12,14	1,4,7,10,9,7,9
1,2,4,8,12,16,15,12,15,8	1,4,7,10,9,7,9,4
1,2,4,8,12,16,15, 12,15,8,12,16,15,12,14	1,4,7,10,9,7, 9,4,7,10,9,7,9
1,2,4,8,12,16,15,12,15,9	1,4,7,10,9,7,9,5
1,2,4,8,12,16,15,12,15,12	1,4,7,10,9,7,9,7
1,2,4,8,12,16, 15,12,15,15,12	1,4,7,10,9,7,9,9,7
1,2,4,8,12,16, 15,12,15,18,12	1,4,7,10,9,7,9,11,7
1,2,4,8,12,16,15,12,15,19	1,4,7,10,9,7,9,12
1,2,4,8,12,16,15,12,15,20	1,4,7,10,9,7,9,13
1,2,4,8,12,16, 15,12,15,20,25,29	1,4,7,10,9,7,9,13,17,20

Y 序列	0 - Y 序列
1,2,4,8,12,16,15, 12,15,20,25,29,21	1,4,7,10,9,7, 9,13,17,20,14
1,2,4,8,12,16,15, 12,15,20,25,29,25	1,4,7,10,9,7, 9,13,17,20,17
1,2,4,8,12,16, 15,12,15,20,25,30	1,4,7,10,9,7,9,13,17,21
1,2,4,8,12,16,15, 12,15,20,25,30,25,29,21	1,4,7,10,9,7,9, 13,17,21,17,20,14
1,2,4,8,12,16,15, 12,15,20,25,30,25,30	1,4,7,10,9,7, 9,13,17,21,17,21
1,2,4,8,12,16,15, 12,15,20,25,30,26	1,4,7,10,9,7, 9,13,17,21,18
1,2,4,8,12,16,15, 12,15,20,25,30,28,9	1,4,7,10,9,7,9, 13,17,21,19,5
1,2,4,8,12,16,15, 12,15,20,25,30,29	1,4,7,10,9,7, 9,13,17,21,20
1,2,4,8,12,16,15, 12,15,20,25,30,29,21	1,4,7,10,9,7, 9,13,17,21,20,14
1,2,4,8,12,16,15,12,16	1,4,7,10,9,7,10
1,2,4,8,12,16,15,12, 16,11,16,21,26,25,21,26	1,4,7,10,9,7,10, 6,10,14,18,17,14,18
1,2,4,8,12,16,15,12,16,12	1,4,7,10,9,7,10,7
1,2,4,8,12,16, 15,12,16,12,14	1,4,7,10,9,7,10,7,9
1,2,4,8,12,16, 15,12,16,12,15,9	1,4,7,10,9,7,10,7,9,5
1,2,4,8,12,16, 15,12,16,12,15,10	1,4,7,10,9,7,10,7,9,6
1,2,4,8,12,16, 15,12,16,12,15,12	1,4,7,10,9,7,10,7,9,7
1,2,4,8,12,16,15, 12,16,12,15,12,14	1,4,7,10,9,7,10,7,9,7,9
1,2,4,8,12,16,15, 12,16,12,15,12,15,9	1,4,7,10,9,7, 10,7,9,7,9,5
1,2,4,8,12,16,15, 12,16,12,15,13	1,4,7,10,9,7,10,7,9,8
1,2,4,8,12,16,15, 12,16,12,15,15,12	1,4,7,10,9,7, 10,7,9,9,7

Y 序列	0 – Y 序列
1,2,4,8,12,16,15, 12,16,12,15,18,12	1,4,7,10,9,7, 10,7,9,11,7
1,2,4,8,12,16,15, 12,16,12,15,19	1,4,7,10,9,7,10,7,9,12
1,2,4,8,12,16,15,12, 16,12,15,20,25,30,29,21	1,4,7,10,9,7,10,7, 9,13,17,21,20,14
1,2,4,8,12,16, 15,12,16,12,16	1,4,7,10,9,7,10,7,10
1,2,4,8,12,16,15, 12,16,12,16,12,15,9	1,4,7,10,9,7, 10,7,10,7,9,5
1,2,4,8,12,16,15,12,16,13	1,4,7,10,9,7,10,8
1,2,4,8,12,16, 15,12,16,13,9	1,4,7,10,9,7,10,8,5
1,2,4,8,12,16, 15,12,16,13,12	1,4,7,10,9,7,10,8,7
1,2,4,8,12,16, 15,12,16,13,12,14	1,4,7,10,9,7,10,8,7,9
1,2,4,8,12,16, 15,12,16,13,12,15,9	1,4,7,10,9,7, 10,8,7,9,5
1,2,4,8,12,16, 15,12,16,13,12,16	1,4,7,10,9,7,10,8,7,10
1,2,4,8,12,16,15, 12,16,13,12,16,12,15,9	1,4,7,10,9,7,10, 8,7,10,7,9,5
1,2,4,8,12,16,15, 12,16,13,12,16,12,16	1,4,7,10,9,7, 10,8,7,10,7,10
1,2,4,8,12,16,15, 12,16,13,12,16,13	1,4,7,10,9,7, 10,8,7,10,8
1,2,4,8,12,16, 15,12,16,13,13	1,4,7,10,9,7,10,8,8
1,2,4,8,12,16,15,12,16,14	1,4,7,10,9,7,10,9
1,2,4,8,12,16, 15,12,16,15,8	1,4,7,10,9,7,10,9,4
1,2,4,8,12,16, 15,12,16,15,9	1,4,7,10,9,7,10,9,5
1,2,4,8,12,16,15, 12,16,15,12,15,19	1,4,7,10,9, 7,10,9,7,9,12
1,2,4,8,12,16, 15,12,16,15,12,16	1,4,7,10,9,7,10,9,7,10

Y 序列	0 - Y 序列
1,2,4,8,12,16,15, 12,16,15,12,16,12,16	1,4,7,10,9,7, 10,9,7,10,7,10
1,2,4,8,12,16,15, 12,16,15,12,16,13	1,4,7,10,9,7, 10,9,7,10,8
1,2,4,8,12,16,15, 12,16,15,12,16,15,9	1,4,7,10,9,7, 10,9,7,10,9,5
1,2,4,8,12,16,15,12, 16,15,12,16,15,12,16,15,9	1,4,7,10,9,7,10, 9,7,10,9,7,10,9,5
1,2,4,8,12,16,15,13	1,4,7,10,9,8
1,2,4,8,12,16,15,13,8	1,4,7,10,9,8,4
1,2,4,8,12,16, 15,13,8,12,15,9	1,4,7,10,9,8,4,7,9,5
1,2,4,8,12,16,15,13, 8,12,15,11,16,21,26,25,22	1,4,7,10,9,8,4,7, 9,6,10,14,18,17,15
1,2,4,8,12,16, 15,13,8,12,15,12	1,4,7,10,9,8,4,7,9,7
1,2,4,8,12,16,15, 13,8,12,15,20,25,30,29,26	1,4,7,10,9,8,4, 7,9,13,17,21,20,18
1,2,4,8,12,16, 15,13,8,12,16	1,4,7,10,9,8,4,7,10
1,2,4,8,12,16,15, 13,8,12,16,12,15,9	1,4,7,10,9,8, 4,7,10,7,9,5
1,2,4,8,12,16,15, 13,8,12,16,12,15,12	1,4,7,10,9,8, 4,7,10,7,9,7
1,2,4,8,12,16,15, 13,8,12,16,12,16	1,4,7,10,9,8, 4,7,10,7,10
1,2,4,8,12,16, 15,13,8,12,16,13	1,4,7,10,9,8,4,7,10,8
1,2,4,8,12,16, 15,13,8,12,16,14	1,4,7,10,9,8,4,7,10,9
1,2,4,8,12,16, 15,13,8,12,16,15,9	1,4,7,10,9,8, 4,7,10,9,5
1,2,4,8,12,16,15, 13,8,12,16,15,12	1,4,7,10,9,8, 4,7,10,9,7
1,2,4,8,12,16,15, 13,8,12,16,15,12,14	1,4,7,10,9,8, 4,7,10,9,7,9
1,2,4,8,12,16,15, 13,8,12,16,15,12,16	1,4,7,10,9,8, 4,7,10,9,7,10



Y 序列	0 – Y 序列
1,2,4,8,12,16,15, 13,8,12,16,15,12,16,13	1,4,7,10,9,8,4, 7,10,9,7,10,8
1,2,4,8,12,16,15, 13,8,12,16,15,12,16,15,9	1,4,7,10,9,8,4,7, 10,9,7,10,9,5
1,2,4,8,12,16,15, 13,8,12,16,15,13	1,4,7,10,9, 8,4,7,10,9,8
1,2,4,8,12,16,15,13,9	1,4,7,10,9,8,5
1,2,4,8,12,16,15,13,10	1,4,7,10,9,8,6
1,2,4,8,12,16,15, 13,11,8,12,16,15,13	1,4,7,10,9,8, 6,4,7,10,9,8
1,2,4,8,12,16,15, 13,11,16,21,26,25,22	1,4,7,10,9,8, 6,10,14,18,17,15
1,2,4,8,12,16,15,13,12	1,4,7,10,9,8,7
1,2,4,8,12,16, 15,13,12,15,9	1,4,7,10,9,8,7,9,5
1,2,4,8,12,16,15,13,12,16	1,4,7,10,9,8,7,10
1,2,4,8,12,16, 15,13,12,16,12	1,4,7,10,9,8,7,10,7
1,2,4,8,12,16,15, 13,12,16,12,15,9	1,4,7,10,9,8, 7,10,7,9,5
1,2,4,8,12,16, 15,13,12,16,12,16	1,4,7,10,9,8,7,10,7,10
1,2,4,8,12,16, 15,13,12,16,13	1,4,7,10,9,8,7,10,8
1,2,4,8,12,16, 15,13,12,16,14	1,4,7,10,9,8,7,10,9
1,2,4,8,12,16, 15,13,12,16,15,9	1,4,7,10,9,8,7,10,9,5
1,2,4,8,12,16, 15,13,12,16,15,12	1,4,7,10,9,8,7,10,9,7
1,2,4,8,12,16, 15,13,12,16,15,12,16	1,4,7,10,9,8, 7,10,9,7,10
1,2,4,8,12,16,15, 13,12,16,15,12,16,14	1,4,7,10,9,8, 7,10,9,7,10,9
1,2,4,8,12,16,15, 13,12,16,15,12,16,15,9	1,4,7,10,9,8,7, 10,9,7,10,9,5
1,2,4,8,12,16, 15,13,12,16,15,13	1,4,7,10,9,8,7,10,9,8

Y 序列	0 - Y 序列
1,2,4,8,12,16,15,13,13	1,4,7,10,9,8,8
1,2,4,8,12,16,15,14	1,4,7,10,9,9
1,2,4,8,12,16,15,15,8	1,4,7,10,9,9,4
1,2,4,8,12,16, 15,15,8,12,16,15,14	1,4,7,10,9,9, 4,7,10,9,9
1,2,4,8,12,16,15,15,9	1,4,7,10,9,9,5
1,2,4,8,12,16,15, 15,9,8,12,16,15,15,9	1,4,7,10,9,9, 5,4,7,10,9,9,5
1,2,4,8,12,16,15,15,10	1,4,7,10,9,9,6
1,2,4,8,12,16,15, 15,11,8,12,16,15,15,9	1,4,7,10,9,9, 6,4,7,10,9,9,5
1,2,4,8,12,16,15,15,11,16	1,4,7,10,9,9,6,10
1,2,4,8,12,16, 15,15,11,16,21,26	1,4,7,10,9,9,6,10,14,18
1,2,4,8,12,16, 15,15,11,16,21,26,25,17	1,4,7,10,9,9,6, 10,14,18,17,11
1,2,4,8,12,16,15, 15,11,16,21,26,25,25,17	1,4,7,10,9,9,6, 10,14,18,17,17,11
1,2,4,8,12,16,15,15,12	1,4,7,10,9,9,7
1,2,4,8,12,16, 15,15,12,15,12	1,4,7,10,9,9,7,9,7
1,2,4,8,12,16, 15,15,12,15,20	1,4,7,10,9,9,7,9,13
1,2,4,8,12,16,15, 15,12,15,20,25,30	1,4,7,10,9,9, 7,9,13,17,21
1,2,4,8,12,16,15, 15,12,15,20,25,30,29,21	1,4,7,10,9,9,7, 9,13,17,21,20,14
1,2,4,8,12,16,15,15, 12,15,20,25,30,29,29,21	1,4,7,10,9,9,7,9, 13,17,21,20,20,14
1,2,4,8,12,16,15,15,12,16	1,4,7,10,9,9,7,10
1,2,4,8,12,16, 15,15,12,16,12	1,4,7,10,9,9,7,10,7
1,2,4,8,12,16,15, 15,12,16,12,15,9	1,4,7,10,9,9, 7,10,7,9,5
1,2,4,8,12,16,15, 15,12,16,12,16	1,4,7,10,9,9,7,10,7,10

Y 序列	0 - Y 序列
1,2,4,8,12,16, 15,15,12,16,13	1,4,7,10,9,9,7,10,8
1,2,4,8,12,16, 15,15,12,16,15,9	1,4,7,10,9, 9,7,10,9,5
1,2,4,8,12,16, 15,15,12,16,15,12	1,4,7,10,9, 9,7,10,9,7
1,2,4,8,12,16,15, 15,12,16,15,12,16,15,9	1,4,7,10,9,9,7, 10,9,7,10,9,5
1,2,4,8,12,16,15, 15,12,16,15,13,9	1,4,7,10,9,9,7,10,9,8
1,2,4,8,12,16,15, 15,12,16,15,15,9	1,4,7,10,9, 9,7,10,9,9,5
1,2,4,8,12,16,15,15,12, 16,15,15,12,16,15,15,9	1,4,7,10,9,9,7, 10,9,9,7,10,9,9,5
1,2,4,8,12,16,15,15,13	1,4,7,10,9,9,8
1,2,4,8,12,16,15,15,15,9	1,4,7,10,9,9,9,5
1,2,4,8,12,16,15,16	1,4,7,10,9,10
1,2,4,8,12,16,15,16,8	1,4,7,10,9,10,4
1,2,4,8,12,16, 15,16,8,12,15,9	1,4,7,10,9,10,4,7,9,5
1,2,4,8,12,16,15,16,8, 12,15,11,16,21,26,25,26	1,4,7,10,9,10,4,7, 9,6,10,14,18,17,18
1,2,4,8,12,16, 15,16,8,12,15,12	1,4,7,10,9,10,4,7,9,7
1,2,4,8,12,16, 15,16,8,12,15,19	1,4,7,10,9,10,4,7,9,12
1,2,4,8,12,16,15, 16,8,12,15,20,25,29,21	1,4,7,10,9,10,4, 7,9,13,17,20,14
1,2,4,8,12,16,15, 16,8,12,15,20,25,30	1,4,7,10,9,10, 4,7,9,13,17,21
1,2,4,8,12,16,15, 16,8,12,15,20,25,30,29,30	1,4,7,10,9,10,4, 7,9,13,17,21,20,21
1,2,4,8,12,16,15,16,8, 12,15,20,25,30,29,30,19	1,4,7,10,9,10,4,7, 9,13,17,21,20,21,12
1,2,4,8,12,16, 15,16,8,12,16	1,4,7,10,9,10,4,7,10
1,2,4,8,12,16,15, 16,8,12,16,12,15,9	1,4,7,10,9,10,4, 7,10,7,9,5

Y 序列	0 – Y 序列
1,2,4,8,12,16,15, 16,8,12,16,12,16	1,4,7,10,9,10, 4,7,10,7,10
1,2,4,8,12,16,15, 16,8,12,16,13	1,4,7,10,9,10,4,7,10,8
1,2,4,8,12,16,15, 16,8,12,16,15,9	1,4,7,10,9,10, 4,7,10,9,5
1,2,4,8,12,16,15, 16,8,12,16,15,12	1,4,7,10,9,10, 4,7,10,9,7
1,2,4,8,12,16,15, 16,8,12,16,15,12,16	1,4,7,10,9,10, 4,7,10,9,7,10
1,2,4,8,12,16,15,16, 8,12,16,15,12,16,15,9	1,4,7,10,9,10, 4,7,10,9,7,10,9,5
1,2,4,8,12,16,15, 16,8,12,16,15,13	1,4,7,10,9,10, 4,7,10,9,8
1,2,4,8,12,16,15, 16,8,12,16,15,15,9	1,4,7,10,9,10, 4,7,10,9,9,5
1,2,4,8,12,16,15, 16,8,12,16,15,16	1,4,7,10,9, 10,4,7,10,9,10
1,2,4,8,12,16,15,16,9	1,4,7,10,9,10,5
1,2,4,8,12,16,15, 16,11,8,12,16,15,16	1,4,7,10,9,10, 6,4,7,10,9,10
1,2,4,8,12,16,15,16,11,16	1,4,7,10,9,10,6,10
1,2,4,8,12,16, 15,16,11,16,21,26	1,4,7,10,9,10,6,10,14,18
1,2,4,8,12,16,15, 16,11,16,21,26,25,26	1,4,7,10,9,10,6, 10,14,18,17,18
1,2,4,8,12,16,15,16,12	1,4,7,10,9,10,7
1,2,4,8,12,16, 15,16,12,15,9	1,4,7,10,9,10,7,9,5
1,2,4,8,12,16, 15,16,12,15,12	1,4,7,10,9,10,7,9,7
1,2,4,8,12,16, 15,16,12,15,20	1,4,7,10,9,10,7,9,13
1,2,4,8,12,16,15, 16,12,15,20,25,30	1,4,7,10,9,10, 7,9,13,17,21
1,2,4,8,12,16,15,16,12,16	1,4,7,10,9,10,7,10
1,2,4,8,12,16, 15,16,12,16,12,15,9	1,4,7,10,9,10,7,10,7,9,5

Y 序列	0 - Y 序列
1,2,4,8,12,16, 15,16,12,16,12,16	1,4,7,10,9,10,7,10,7,10
1,2,4,8,12,16, 15,16,12,16,13	1,4,7,10,9,10,7,10,8
1,2,4,8,12,16, 15,16,12,16,15,9	1,4,7,10,9,10,7,10,9,5
1,2,4,8,12,16, 15,16,12,16,15,16	1,4,7,10,9,10,7,10,9,10
1,2,4,8,12,16,15,16,13	1,4,7,10,9,10,8
1,2,4,8,12,16,15,16,15,9	1,4,7,10,9,10,9,5
1,2,4,8,12,16,15,16,15,12	1,4,7,10,9,10,9,7
1,2,4,8,12,16, 15,16,15,15,9	1,4,7,10,9,10,9,9,5
1,2,4,8,12,16,15,16,15,16	1,4,7,10,9,10,9,10
1,2,4,8,12,16,15,16,16	1,4,7,10,9,10,10
1,2,4,8,12,16,15,17	1,4,7,10,9,11
1,2,4,8,12,16,15,18,9	1,4,7,10,9,11,5
1,2,4,8,12,16,15, 18,9,8,12,16,15,18,9	1,4,7,10,9,11,5, 4,7,10,9,11,5
1,2,4,8,12,16,15,18,10	1,4,7,10,9,11,6
1,2,4,8,12,16,15, 18,11,16,21,26,25,29,17	
1,2,4,8,12,16,15,18,12	1,4,7,10,9,11,7
1,2,4,8,12,16, 15,18,12,15,9	1,4,7,10,9,11,7,9,5
1,2,4,8,12,16,15,18, 12,15,20,25,30,29,33,21	1,4,7,10,9,11,7,9, 13,17,21,20,23,14
1,2,4,8,12,16,15,18,12,16	1,4,7,10,9,11,7,10
1,2,4,8,12,16, 15,18,12,16,13	1,4,7,10,9,11,7,10,8
1,2,4,8,12,16, 15,18,12,16,15,9	1,4,7,10,9,11,7,10,9,5
1,2,4,8,12,16, 15,18,12,16,15,16	1,4,7,10,9,11,7,10,9,10

Y 序列	0 - Y 序列
1,2,4,8,12,16, 15,18,12,16,15,18,9	1,4,7,10,9,11, 7,10,9,11,5
1,2,4,8,12,16,15,18,13	1,4,7,10,9,11,8
1,2,4,8,12,16,15,18,15,9	1,4,7,10,9,11,9,5
1,2,4,8,12,16,15,18,15,16	1,4,7,10,9,11,9,10
1,2,4,8,12,16, 15,18,15,18,9	1,4,7,10,9,11,9,11,5
1,2,4,8,12,16,15,18,16	1,4,7,10,9,11,10
1,2,4,8,12,16,15,18,18,9	1,4,7,10,9,11,11,5
1,2,4,8,12,16,15,18,19	1,4,7,10,9,11,12
1,2,4,8,12,16,15,18,21,9	1,4,7,10,9,11,13,5
1,2,4,8,12,16,15,18,21,22	1,4,7,10,9,11,13,14
1,2,4,8,12,16, 15,18,21,24,9	1,4,7,10,9,11,13,15,5
1,2,4,8,12,16,15,19	1,4,7,10,9,12
1,2,4,8,12,16,15,19,8	1,4,7,10,9,12,4
1,2,4,8,12,16, 15,19,8,12,15,9	1,4,7,10,9,12,4,7,9,5
1,2,4,8,12,16,15, 19,8,12,15,11,16,21,25,17	1,4,7,10,9,12,4, 7,9,6,10,14,17,11
1,2,4,8,12,16,15, 19,8,12,15,11,16,21,26	1,4,7,10,9,12, 4,7,9,6,10,14,18
1,2,4,8,12,16,15, 19,8,12,15,11,16,21,26,21	1,4,7,10,9,12,4, 7,9,6,10,14,18,14
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,21,26	1,4,7,10,9,12,4,7, 9,6,10,14,18,14,18
1,2,4,8,12,16,15, 19,8,12,15,11,16,21,26,22	1,4,7,10,9,12,4,7, 9,6,10,14,18,15
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,22,21	1,4,7,10,9,12,4,7, 9,6,10,14,18,15,14
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,22,22	1,4,7,10,9,12,4,7, 9,6,10,14,18,15,15
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,25,17	1,4,7,10,9,12,4,7, 9,6,10,14,18,17,11

Y 序列	0 - Y 序列
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,25,22	1,4,7,10,9,12,4,7, 9,6,10,14,18,17,15
1,2,4,8,12,16,15,19, 8,12,15,11,16,21,26,25,26	1,4,7,10,9,12,4,7, 9,6,10,14,18,17,18
1,2,4,8,12,16, 15,19,8,12,15,12	1,4,7,10,9,12,4,7,9,7
1,2,4,8,12,16, 15,19,8,12,15,12,12	1,4,7,10,9, 12,4,7,9,7,7
1,2,4,8,12,16,15, 19,8,12,15,12,14	1,4,7,10,9, 12,4,7,9,7,9
1,2,4,8,12,16,15, 19,8,12,15,12,15,9	1,4,7,10,9,12, 4,7,9,7,9,5
1,2,4,8,12,16, 15,19,8,12,15,13	1,4,7,10,9,12,4,7,9,8
1,2,4,8,12,16, 15,19,8,12,15,14	1,4,7,10,9,12,4,7,9,9
1,2,4,8,12,16, 15,19,8,12,15,15,12	1,4,7,10,9,12, 4,7,9,9,5
1,2,4,8,12,16, 15,19,8,12,15,16	1,4,7,10,9,12,4,7,9,10
1,2,4,8,12,16, 15,19,8,12,15,18,12	1,4,7,10,9,12, 4,7,9,11,5
1,2,4,8,12,16, 15,19,8,12,15,19	1,4,7,10,9,12,4,7,9,12
1,2,4,8,12,16, 15,19,8,12,15,20	1,4,7,10,9,12,4,7,9,13
1,2,4,8,12,16,15, 19,8,12,15,20,25,29,21	1,4,7,10,9,12,4, 7,9,13,17,20,14
1,2,4,8,12,16, 15,19,8,12,15,20,25,30	1,4,7,10,9,12, 4,7,9,13,17,21
1,2,4,8,12,16,15, 19,8,12,15,20,25,30,25	1,4,7,10,9,12,4, 7,9,13,17,21,17
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,25,29,21	1,4,7,10,9,12,4,7, 9,13,17,21,17,20,14
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,21	1,4,7,10,9,12,4,7, 9,13,17,21,20,14
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,35	1,4,7,10,9,12,4,7, 9,13,17,21,20,24
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,35,13	1,4,7,10,9,12,4,7, 9,13,17,21,20,24,8

Y 序列	0 – Y 序列
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,35,16	1,4,7,10,9,12,4,7, 9,13,17,21,20,24,10
1,2,4,8,12,16,15,19, 8,12,15,20,25,30,29,35,19	1,4,7,10,9,12,4,7, 9,13,17,21,20,24,12
1,2,4,8,12,16, 15,19,8,12,16	1,4,7,10,9,12,4,7,10
1,2,4,8,12,16,15, 19,8,12,16,8,12,15,9	1,4,7,10,9,12, 4,7,10,4,7,9,5
1,2,4,8,12,16,15, 19,8,12,16,8,12,15,12	1,4,7,10,9,12, 4,7,10,4,7,9,7
1,2,4,8,12,16,15, 19,8,12,16,8,12,15,19	1,4,7,10,9,12, 4,7,10,4,7,9,12
1,2,4,8,12,16,15, 19,8,12,16,8,12,16	1,4,7,10,9,12, 4,7,10,4,7,10
1,2,4,8,12,16, 15,19,8,12,16,9	1,4,7,10,9,12,4,7,10,5
1,2,4,8,12,16,15, 19,8,12,16,11,15	1,4,7,10,9, 12,4,7,10,6,9
1,2,4,8,12,16,15,19,8, 12,16,11,16,21,26,25,30	1,4,7,10,9,12,4,7, 10,6,10,14,18,17,21
1,2,4,8,12,16, 15,19,8,12,16,12	1,4,7,10,9,12,4,7,10,7
1,2,4,8,12,16,15,19, 8,12,16,12,8,12,15,9	1,4,7,10,9,12, 4,7,10,7,4,7,9,5
1,2,4,8,12,16,15,19, 8,12,16,12,8,12,15,12	1,4,7,10,9,12, 4,7,10,7,4,7,9,7
1,2,4,8,12,16,15, 19,8,12,16,12,8,12,16	1,4,7,10,9,12, 4,7,10,7,4,7,10
1,2,4,8,12,16,15, 19,8,12,16,12,8,12,16,12	1,4,7,10,9,12,4, 7,10,7,4,7,10,7
1,2,4,8,12,16,15, 19,8,12,16,12,12	1,4,7,10,9,12, 4,7,10,7,7
1,2,4,8,12,16,15, 19,8,12,16,12,13	1,4,7,10,9,12, 4,7,10,7,8
1,2,4,8,12,16,15, 19,8,12,16,12,15,9	1,4,7,10,9,12, 4,7,10,7,9,5
1,2,4,8,12,16,15,19, 8,12,16,12,15,9,8,12,16	1,4,7,10,9,12,4, 7,10,7,9,5,4,7,10
1,2,4,8,12,16,15, 19,8,12,16,12,15,9,9	1,4,7,10,9,12,4, 7,10,7,9,5,5



Y 序列	0 – Y 序列
1,2,4,8,12,16,15, 19,8,12,16,12,15,12	1,4,7,10,9,12, 4,7,10,7,9,7
1,2,4,8,12,16,15, 19,8,12,16,12,15,12,15,9	1,4,7,10,9,12,4, 7,10,7,9,7,9,5
1,2,4,8,12,16,15, 19,8,12,16,12,15,15,9	1,4,7,10,9,12,4, 7,10,7,9,9,5
1,2,4,8,12,16,15, 19,8,12,16,12,15,18,9	1,4,7,10,9,12,4, 7,10,7,9,11,5
1,2,4,8,12,16,15, 19,8,12,16,12,15,19	1,4,7,10,9,12, 4,7,10,7,9,12
1,2,4,8,12,16,15, 19,8,12,16,12,15,20	1,4,7,10,9,12, 4,7,10,7,9,13
1,2,4,8,12,16,15, 19,8,12,16,12,16	1,4,7,10,9,12, 4,7,10,7,10
1,2,4,8,12,16,15,19, 8,12,16,12,16,8,12,15,9	1,4,7,10,9,12,4, 7,10,7,10,4,7,9,5
1,2,4,8,12,16,15,19, 8,12,16,12,16,8,12,15,12	1,4,7,10,9,12,4,7, 10,7,10,4,7,9,7
1,2,4,8,12,16,15,19, 8,12,16,12,16,8,12,16	1,4,7,10,9,12,4, 7,10,7,10,4,7,10
1,2,4,8,12,16,15, 19,8,12,16,12,16,12	1,4,7,10,9,12, 4,7,10,7,10,7
1,2,4,8,12,16,15, 19,8,12,16,12,16,12,15,9	1,4,7,10,9,12,4, 7,10,7,10,7,9,5
1,2,4,8,12,16,15,19, 8,12,16,12,16,12,15,12	1,4,7,10,9,12,4, 7,10,7,10,7,9,7
1,2,4,8,12,16,15,19, 8,12,16,12,16,12,16	1,4,7,10,9,12,4, 7,10,7,10,7,10
1,2,4,8,12,16, 15,19,8,12,16,13	1,4,7,10,9,12,4,7,10,8
1,2,4,8,12,16,15, 19,8,12,16,13,8,12,15,9	1,4,7,10,9,12, 4,7,10,8,4,7,9,5
1,2,4,8,12,16,15, 19,8,12,16,13,8,12,15,12	1,4,7,10,9,12,4, 7,10,8,4,7,9,7
1,2,4,8,12,16,15, 19,8,12,16,13,8,12,16	1,4,7,10,9,12, 4,7,10,8,4,7,10
1,2,4,8,12,16,15,19, 8,12,16,13,8,12,16,12,16	1,4,7,10,9,12,4, 7,10,8,4,7,10,7,10
1,2,4,8,12,16,15,19, 8,12,16,13,8,12,16,13	1,4,7,10,9,12,4, 7,10,8,4,7,10,8

Y 序列	0 – Y 序列
1,2,4,8,12,16,15, 19,8,12,16,13,11,15	1,4,7,10,9,12, 4,7,10,8,6,9
1,2,4,8,12,16,15,19,8, 12,16,13,11,16,21,25,17	1,4,7,10,9,12,4,7, 10,8,6,10,14,17,11
1,2,4,8,12,16,15,19, 8,12,16,13,11,16,21,26	1,4,7,10,9,12,4,7, 10,8,6,10,14,18
1,2,4,8,12,16,15, 19,8,12,16,13,12	1,4,7,10,9,12, 4,7,10,8,7
1,2,4,8,12,16,15, 19,8,12,16,13,12,15,9	1,4,7,10,9,12,4, 7,10,8,7,9,5
1,2,4,8,12,16,15, 19,8,12,16,13,12,16	1,4,7,10,9,12, 4,7,10,8,7,10
1,2,4,8,12,16,15, 19,8,12,16,13,13	1,4,7,10,9,12, 4,7,10,8,8
1,2,4,8,12,16, 15,19,8,12,16,14	1,4,7,10,9,12,4,7,10,9
1,2,4,8,12,16, 15,19,8,12,16,15,9	1,4,7,10,9,12, 4,7,10,9,5
1,2,4,8,12,16,15, 19,8,12,16,15,11,15	1,4,7,10,9,12, 4,7,10,9,6,9
1,2,4,8,12,16,15, 19,8,12,16,15,12	1,4,7,10,9,12, 4,7,10,9,7
1,2,4,8,12,16,15, 19,8,12,16,15,12,15,9	1,4,7,10,9,12,4, 7,10,9,7,9,5
1,2,4,8,12,16,15, 19,8,12,16,15,12,15,19	1,4,7,10,9,12,4, 7,10,9,7,9,12
1,2,4,8,12,16,15, 19,8,12,16,15,12,16	1,4,7,10,9,12, 4,7,10,9,7,10
1,2,4,8,12,16,15,19, 8,12,16,15,12,16,11,15	1,4,7,10,9,12,4, 7,10,9,7,10,6,9
1,2,4,8,12,16,15, 19,8,12,16,15,12,16,12	1,4,7,10,9,12,4, 7,10,9,7,10,7
1,2,4,8,12,16,15,19,8, 12,16,15,12,16,12,15,9	1,4,7,10,9,12,4, 7,10,9,7,10,7,9,5
1,2,4,8,12,16,15,19,8, 12,16,15,12,16,12,15,12	1,4,7,10,9,12,4, 7,10,9,7,10,7,9,7
1,2,4,8,12,16,15,19,8, 12,16,15,12,16,12,15,19	1,4,7,10,9,12,4,7, 10,9,7,10,7,9,12
1,2,4,8,12,16,15,19, 8,12,16,15,12,16,12,16	1,4,7,10,9,12,4, 7,10,9,7,10,7,10

Y 序列	0 - Y 序列
1,2,4,8,12,16,15, 19,8,12,16,15,12,16,13	1,4,7,10,9,12,4, 7,10,9,7,10,8
1,2,4,8,12,16,15,19, 8,12,16,15,12,16,15,9	1,4,7,10,9,12,4, 7,10,9,7,10,9,5
1,2,4,8,12,16,15, 19,8,12,16,15,13	1,4,7,10,9,12, 4,7,10,9,8
1,2,4,8,12,16,15, 19,8,12,16,15,15,9	1,4,7,10,9,12, 4,7,10,9,9,5
1,2,4,8,12,16,15, 19,8,12,16,15,15,12	1,4,7,10,9,12, 4,7,10,9,9,7
1,2,4,8,12,16,15, 19,8,12,16,15,15,13	1,4,7,10,9,12, 4,7,10,9,9,8
1,2,4,8,12,16,15, 19,8,12,16,15,15,15,9	1,4,7,10,9,12, 4,7,10,9,9,9,5
1,2,4,8,12,16,15, 19,8,12,16,15,16	1,4,7,10,9,12, 4,7,10,9,10
1,2,4,8,12,16,15, 19,8,12,16,15,17	1,4,7,10,9,12, 4,7,10,9,11
1,2,4,8,12,16,15, 19,8,12,16,15,18,9	1,4,7,10,9,12, 4,7,10,9,11,5
1,2,4,8,12,16,15, 19,8,12,16,15,19	1,4,7,10,9,12, 4,7,10,9,12
1,2,4,8,12,16,15,19,11,15	1,4,7,10,9,12,6,9
1,2,4,8,12,16,15, 19,11,16,21,25,17	1,4,7,10,9,12, 6,10,14,17,11
1,2,4,8,12,16,15, 19,11,16,21,26,25,17	1,4,7,10,9,12, 6,10,14,18,17,11
1,2,4,8,12,16,15, 19,11,16,21,26,25,29,17	1,4,7,10,9,12,6, 10,14,18,17,20,11
1,2,4,8,12,16,15, 19,11,16,21,26,25,30	1,4,7,10,9,12,6, 10,14,18,17,21
1,2,4,8,12,16,15,19,12	1,4,7,10,9,12,7
1,2,4,8,12,16, 15,19,12,15,9	1,4,7,10,9,12,7,9,5
1,2,4,8,12,16,15,19,12,16	1,4,7,10,9,12,7,10
1,2,4,8,12,16, 15,19,12,16,12,15,9	1,4,7,10,9, 12,7,10,7,9,5
1,2,4,8,12,16, 15,19,12,16,15,9	1,4,7,10,9,12,7,10,9,5

Y 序列	0 – Y 序列
1,2,4,8,12,16, 15,19,12,16,15,19	1,4,7,10,9,12, 7,10,9,12
1,2,4,8,12,16,15,19,15,19	1,4,7,10,9,12,9,12
1,2,4,8,12,16,15,19,18,22	1,4,7,10,9,12,11,14
1,2,4,8,12,16,15,19,19	1,4,7,10,9,12,12
1,2,4,8,12,16,15,19,20	1,4,7,10,9,12,13
1,2,4,8,12,16,15, 19,22,8,12,16,15,19	1,4,7,10,9,12, 14,4,7,10,9,12
1,2,4,8,12,16,15,19,23	1,4,7,10,9,12,15
1,2,4,8,12,16, 15,19,23,26,9	1,4,7,10,9,12,15,17,5
1,2,4,8,12,16, 15,19,23,26,20	1,4,7,10,9,12,15,17,13
1,2,4,8,12,16,15,19,23,27	1,4,7,10,9,12,15,18
1,2,4,8,12,16,15, 19,23,27,19,23,27	1,4,7,10,9,12, 15,18,12,15,18
1,2,4,8,12,16,15,19,24	1,4,7,10,9,12,16
1,2,4,8,12,16,15,20	1,4,7,10,9,13
1,2,4,8,12,16,15,20,25	1,4,7,10,9,13,17
1,2,4,8,12,16,15,20,25,27	1,4,7,10,9,13,17,19
1,2,4,8,12,16, 15,20,25,28,9	1,4,7,10,9,13,17,19,5
1,2,4,8,12,16,15,20,25,29	1,4,7,10,9,13,17,20
1,2,4,8,12,16, 15,20,25,29,21	1,4,7,10,9,13,17,20,14
1,2,4,8,12,16,15,20,25,30	1,4,7,10,9,13,17,21
1,2,4,8,12,16, 15,20,25,30,29,34	1,4,7,10,9,13, 17,21,20,24
1,2,4,8,12,16,15, 20,25,30,29,34,39,44	1,4,7,10,9,13,17, 21,20,24,28,32
1,2,4,8,12,16,16	1,4,7,10,10
1,2,4,8,12,16, 16,8,12,15,9	1,4,7,10,10,4,7,9,5

Y 序列	0 – Y 序列
1,2,4,8,12,16, 16,8,12,15,20,25,30,30	1,4,7,10,10,4, 7,9,13,17,21,21
1,2,4,8,12,16,16, 8,12,15,20,25,30,30,19	1,4,7,10,10,4,7, 9,13,17,21,21,12
1,2,4,8,12,16,16,8,12,16	1,4,7,10,10,4,7,10
1,2,4,8,12,16, 16,8,12,16,13	1,4,7,10,10,4,7,10,8
1,2,4,8,12,16, 16,8,12,16,15,19	1,4,7,10,10,4,7,10,9,12
1,2,4,8,12,16,16, 8,12,16,15,20,25,30,30	1,4,7,10,10,4,7, 10,9,13,17,21,21
1,2,4,8,12,16,16,8,12, 16,15,20,25,30,30,11,15	1,4,7,10,10,4,7, 10,9,13,17,21,21,6,9
1,2,4,8,12,16,16,8, 12,16,15,20,25,30,30,19	1,4,7,10,10,4,7, 10,9,13,17,21,21,12
1,2,4,8,12,16, 16,8,12,16,16	1,4,7,10,10,4,7,10,10
1,2,4,8,12,16,16,9	1,4,7,10,10,5
1,2,4,8,12,16, 16,11,8,12,16,16	1,4,7,10,10,6,4,7,10,10
1,2,4,8,12,16,16,11,15	1,4,7,10,10,6,9
1,2,4,8,12,16,16,11,15,20	1,4,7,10,10,6,9,13
1,2,4,8,12,16,16,11,16	1,4,7,10,10,6,10
1,2,4,8,12,16, 16,11,16,21,25	1,4,7,10,10,6,10,14,17
1,2,4,8,12,16, 16,11,16,21,25,17	1,4,7,10,10, 6,10,14,17,11
1,2,4,8,12,16, 16,11,16,21,26,26	1,4,7,10,10, 6,10,14,18,18
1,2,4,8,12,16,16,12	1,4,7,10,10,7
1,2,4,8,12,16,16,12,14	1,4,7,10,10,7,9
1,2,4,8,12,16,16, 12,15,8,12,16,16	1,4,7,10,10, 7,9,4,7,10,10
1,2,4,8,12,16,16,12,15,9	1,4,7,10,10,7,9,5
1,2,4,8,12,16,16,12,15,19	1,4,7,10,10,7,9,12

Y 序列	0 – Y 序列
1,2,4,8,12,16,16, 12,15,20,25,29,21	1,4,7,10,10,7, 9,13,17,20,14
1,2,4,8,12,16,16,12, 15,20,25,30,30,25,29,21	1,4,7,10,10,7,9, 13,17,21,21,17,20,14
1,2,4,8,12,16,16,12,16	1,4,7,10,10,7,10
1,2,4,8,12,16, 16,12,16,12,15,9	1,4,7,10,10,7,10,7,9,5
1,2,4,8,12,16,16,12,16,13	1,4,7,10,10,7,10,8
1,2,4,8,12,16, 16,12,16,15,9	1,4,7,10,10,7,10,9,5
1,2,4,8,12,16, 16,12,16,15,15,9	1,4,7,10,10,7,10,9,9,5
1,2,4,8,12,16, 16,12,16,15,16	1,4,7,10,10,7,10,9,10
1,2,4,8,12,16, 16,12,16,15,18,9	1,4,7,10,10,7,10,9,11,5
1,2,4,8,12,16, 16,12,16,15,19	1,4,7,10,10,7,10,9,12
1,2,4,8,12,16,16,12,16,16	1,4,7,10,10,7,10,10
1,2,4,8,12,16, 16,12,16,16,12,15,9	1,4,7,10,10, 7,10,10,7,9,5
1,2,4,8,12,16,16,13	1,4,7,10,10,8
1,2,4,8,12,16, 16,13,12,15,9	1,4,7,10,10,8,7,9,5
1,2,4,8,12,16,16,14	1,4,7,10,10,9
1,2,4,8,12,16,16,15,9	1,4,7,10,10,9,5
1,2,4,8,12,16,16,15,13	1,4,7,10,10,9,8
1,2,4,8,12,16,16,15,19	1,4,7,10,10,9,12
1,2,4,8,12,16,16,16	1,4,7,10,10,10
1,2,4,8,12,16,16,16,16	1,4,7,10,10,10,10
1,2,4,8,12,16,17	1,4,7,10,11
1,2,4,8,12,16, 17,19,23,27,31	1,4,7,10,11,14,17,20
1,2,4,8,12,16,18	1,4,7,10,12

Y 序列	0 - Y 序列
1,2,4,8,12,16,19,9	1,4,7,10,12,5
1,2,4,8,12,16,19,10	1,4,7,10,12,6
1,2,4,8,12,16,19,11,15	1,4,7,10,12,6,9
1,2,4,8,12,16, 19,11,16,21,26,26	1,4,7,10,12, 6,10,14,18,18
1,2,4,8,12,16, 19,11,16,21,26,27	1,4,7,10,12, 6,10,14,18,19
1,2,4,8,12,16, 19,11,16,21,26,28	1,4,7,10,12, 6,10,14,18,20
1,2,4,8,12,16,19,11, 16,21,26,29,8,12,16,19,9	1,4,7,10,12,6,10, 14,18,20,4,7,10,12,5
1,2,4,8,12,16,19, 11,16,21,26,30,22	1,4,7,10,12,6, 10,14,18,21,15
1,2,4,8,12,16,19,12	1,4,7,10,12,7
1,2,4,8,12,16,19,12,15,9	1,4,7,10,12,7,9,5
1,2,4,8,12,16,19,12,16	1,4,7,10,12,7,10
1,2,4,8,12,16, 19,12,16,19,9	1,4,7,10,12,7,10,12,5
1,2,4,8,12,16,19,13	1,4,7,10,12,8
1,2,4,8,12,16,19,15,9	1,4,7,10,12,9,5
1,2,4,8,12,16,19,16	1,4,7,10,12,10
1,2,4,8,12,16,19,16,19,9	1,4,7,10,12,10,12,5
1,2,4,8,12,16,19,17	1,4,7,10,12,11
1,2,4,8,12,16,19,19,9	1,4,7,10,12,12,5
1,2,4,8,12,16,19,23	1,4,7,10,12,15
1,2,4,8,12,16,19,24,29,34	1,4,7,10,12,16,20,24
1,2,4,8,12,16,20	1,4,7,10,13
1,2,4,8,12,16,20,24	1,4,7,10,13,16
1,2,4,8,12,16,20,24,28	1,4,7,10,13,16,19
1,2,4,8,13	1,4,8

Y 序列	0 - Y 序列
1,2,4,8,13,8	1,4,8,4
1,2,4,8,13,8,12	1,4,8,4,7
1,2,4,8,13,8,12,16	1,4,8,4,7,10
1,2,4,8,13,8,13	1,4,8,4,8
1,2,4,8,13,8,13,8,13	1,4,8,4,8,4,8
1,2,4,8,13,9	1,4,8,5
1,2,4,8,13,9,11,15,20	1,4,8,5,8,12
1,2,4,8,13,10	1,4,8,6
1,2,4,8,13,11	1,4,8,6,9
1,2,4,8,13,11,16,19	1,4,8,6,10,15
1,2,4,8,13,12	1,4,8,7
1,2,4,8,13,12,16	1,4,8,7,10
1,2,4,8,13,12,17	1,4,8,7,11
1,2,4,8,13,12,17,16,21	1,4,8,7,11,10,14
1,2,4,8,13,13	1,4,8,8
1,2,4,8,13,13,13	1,4,8,8,8
1,2,4,8,13,14	1,4,8,9
1,2,4,8,13,15	1,4,8,10
1,2,4,8,13,16	1,4,8,10,3,7,12,15
1,2,4,8,13,17	1,4,8,11
1,2,4,8,13,18	1,4,8,12
1,2,4,8,13,18,21,9	1,4,8,12,14,5
1,2,4,8,13,18,22	1,4,8,12,15
1,2,4,8,13,18,23	1,4,8,12,16
1,2,4,8,13,19	1,4,8,13
1,2,4,8,13,19,26	1,4,8,13,19



Y 序列	0 – Y 序列
1,2,4,8,13,20	1,4,8,14
1,2,4,8,13,20,26,20	1,4,8,14,19,14
1,2,4,8,13,20,27	1,4,8,14,20
1,2,4,8,13,20,27,33,21	1,4,8,14,20,25,15
1,2,4,8,13,20,28	1,4,8,14,21
1,2,4,8,13,20,28,38	1,4,8,14,21,30
1,2,4,8,13,20,28,38,49,62	1,4,8,14,21,30,40,52
1,2,4,8,14	1,4,9
1,2,4,8,14,8,14	1,4,9,4,9
1,2,4,8,14,11, 8,13,20,29,23,9	1,4,9,6,4,8,14,22
1,2,4,8,14,11, 8,13,20,29,23,9	1,4,9,6,4,8,14,22,16,5
1,2,4,8,14,12	1,4,9,7
1,2,4,8,14,12,17	1,4,9,7,11
1,2,4,8,14,12,17,24	1,4,9,7,11,17
1,2,4,8,14,12,17,24,33	1,4,9,7,11,17,25
1,2,4,8,14,12,18	1,4,9,7,12
1,2,4,8,14,12,18,9	1,4,9,7,12,5
1,2,4,8,14,12,18,12	1,4,9,7,12,7
1,2,4,8,14,12,18,12,18	1,4,9,7,12,7,12
1,2,4,8,14,12,18,13	1,4,9,7,12,8
1,2,4,8,14,12,18,15,9	1,4,9,7,12,9,5
1,2,4,8,14,12,18,16	1,4,9,7,12,10
1,2,4,8,14,12,18,16,22	1,4,9,7,12,10,15
1,2,4,8,14,12, 18,16,22,20,26	1,4,9,7,12,10,15,13,18
1,2,4,8,14,13	1,4,9,8

Y 序列	0 – Y 序列
1,2,4,8,14,13,18	1,4,9,8,12
1,2,4,8,14,13,18,23	1,4,9,8,12,16
1,2,4,8,14,13,20	1,4,9,8,14
1,2,4,8,14,13,20,24	1,4,9,8,14,17
1,2,4,8,14,13,20,25	1,4,9,8,14,18
1,2,4,8,14,13,20,26,20	1,4,9,8,14,19,14
1,2,4,8,14,13,20,29	1,4,9,8,14,22
1,2,4,8,14,13,20,29,20	1,4,9,8,14,22,14
1,2,4,8,14,14	1,4,9,9
1,2,4,8,14,14,12,15,9	1,4,9,9,7,9,5
1,2,4,8,14,14,14	1,4,9,9,9
1,2,4,8,14,15	1,4,9,10
1,2,4,8,14,15,13	1,4,9,10,8
1,2,4,8,14,15,14,13	1,4,9,10,9,8
1,2,4,8,14,15,14,15	1,4,9,10,9,10
1,2,4,8,14,15,15	1,4,9,10,10
1,2,4,8,14,16	1,4,9,11
1,2,4,8,14,17	1,4,9,11,3,7,13,16
1,2,4,8,14,17,8	1,4,9,11,4
1,2,4,8,14,17,8,12,16	1,4,9,11,4,7,10
1,2,4,8,14,17,8,12,16,16	1,4,9,11,4,7,10,10
1,2,4,8,14,17,8,14	1,4,9,11,4,9
1,2,4,8,14,17,8,14,14	1,4,9,11,4,9,9
1,2,4,8,14,17,8,14,15	1,4,9,11,4,9,10
1,2,4,8,14,17,9	1,4,9,11,5
1,2,4,8,14,17,11,15	1,4,9,11,6,9

Y 序列	$0-Y$ 序列
1,2,4,8,14,17,13	1,4,9,11,8
1,2,4,8,14,17,14	1,4,9,11,9
1,2,4,8,14,17,21	1,4,9,11,14
1,2,4,8,14,17,22,29,33	1,4,9,11,15,21,24
1,2,4,8,14,18	1,4,9,12
1,2,4,8,14,18,12,18,22	1,4,9,12,7,12,15
1,2,4,8,14,18,13	1,4,9,12,8
1,2,4,8,14,18,14	1,4,9,12,9
1,2,4,8,14,18,14,18	1,4,9,12,9,12
1,2,4,8,14,18,18	1,4,9,12,12
1,2,4,8,14,18,22	1,4,9,12,15
1,2,4,8,14,18,23	1,4,9,12,16
1,2,4,8,14,18,23,30	1,4,9,12,16,22
1,2,4,8,14,18,24	1,4,9,12,17
1,2,4,8,14,18,24,14	1,4,9,12,17,9
1,2,4,8,14,18,24,14,18	1,4,9,12,17,9,12
1,2,4,8,14,18,24,14,18,24	1,4,9,12,17,9,12,17
1,2,4,8,14,18,24,18	1,4,9,12,17,12
1,2,4,8,14,18,24,18,24	1,4,9,12,17,12,17
1,2,4,8,14,18,24,22,28	1,4,9,12,17,15,20
1,2,4,8,14,18,24,23	1,4,9,12,17,16
1,2,4,8,14,18,24,24	1,4,9,12,17,17
1,2,4,8,14,18,24,25	1,4,9,12,17,18
1,2,4,8,14,18,24,27,9	1,4,9,12,17,19,5
1,2,4,8,14,18,24,28	1,4,9,12,17,20
1,2,4,8,14,18,24,28,33	1,4,9,12,17,20,24

Y 序列	0 - Y 序列
1,2,4,8,14,18,24,28,34	1,4,9,12,17,20,25
1,2,4,8,14,19	1,4,9,13
1,2,4,8,14,19,8,14,19	1,4,9,13,4,9,13
1,2,4,8,14,19,11,8,14,19	1,4,9,13,6,4,9,13
1,2,4,8,14,19,11,15	1,4,9,13,6,9
1,2,4,8,14,19,11,16	1,4,9,13,6,10
1,2,4,8,14,19,11,16,23	1,4,9,13,6,10,16
1,2,4,8,14,19,11,16,23,24	1,4,9,13,6,10,16,17
1,2,4,8,14,19, 11,16,23,27,17	1,4,9,13,6,10,16,19,11
1,2,4,8,14,19,11, 16,23,28,35,39,17	1,4,9,13,6,10, 16,20,26,29,11
1,2,4,8,14,19,11,16,23,29	1,4,9,13,6,10,16,21
1,2,4,8,14,19,11, 16,23,29,20,26,34,41	1,4,9,13,6,10,16, 21,13,18,25,31
1,2,4,8,14,19,12	1,4,9,13,7
1,2,4,8,14,19,13	1,4,9,13,8
1,2,4,8,14,19,14,13	1,4,9,13,9,8
1,2,4,8,14,19,14,15	1,4,9,13,9,10
1,2,4,8,14,19,14,17,9	1,4,9,13,9,11,5
1,2,4,8,14,19,14,18,24,29	1,4,9,13,9,12,17,21
1,2,4,8,14,19,14, 18,24,29,24,27,9	1,4,9,13,9,12, 17,21,17,19,5
1,2,4,8,14,19,14, 18,24,29,24,28,34,39	1,4,9,13,9,12,17, 21,17,20,25,29
1,2,4,8,14,19,14,19	1,4,9,13,9,13
1,2,4,8,14,19,14,19,11,15	1,4,9,13,9,13,6,9
1,2,4,8,14,19,14, 19,11,16,23,29	1,4,9,13,9,13,6,10,16,21
1,2,4,8,14,19,14, 19,11,16,23,29,23,29	1,4,9,13,9,13, 6,10,16,21,16,21

Y 序列	0 – Y 序列
1,2,4,8,14,19, 14,19,14,18,9	1,4,9,13,9,13,9,11,5
1,2,4,8,14,19,14,19,14,19	1,4,9,13,9,13,9,13
1,2,4,8,14,19,15	1,4,9,13,10
1,2,4,8,14,19,17,9	1,4,9,13,11,5
1,2,4,8,14,19,17,14,19	1,4,9,13,11,9,13
1,2,4,8,14,19,18	1,4,9,13,12
1,2,4,8,14,19,18,24,25	1,4,9,13,12,17,18
1,2,4,8,14,19,18,24,29	1,4,9,13,12,17,21
1,2,4,8,14,19, 18,24,29,32,9	1,4,9,13,12,17,21,23,5
1,2,4,8,14,19,19	1,4,9,13,13
1,2,4,8,14,19,22,9	1,4,9,13,15,5
1,2,4,8,14,19, 22,14,19,22,9	1,4,9,13,15,9,13,15,5
1,2,4,8,14,19,22,19,22,9	1,4,9,13,15,13,15,5
1,2,4,8,14,19,22,25,9	1,4,9,13,15,17,5
1,2,4,8,14,19,22,26	1,4,9,13,15,18
1,2,4,8,14,19,23,29,34	1,4,9,13,16,21,25
1,2,4,8,14,19, 23,29,34,37,9	1,4,9,13,16,21,25,27,5
1,2,4,8,14,19,24	1,4,9,13,17
1,2,4,8,14,19,25	1,4,9,13,18
1,2,4,8,14,19,25,31,37	1,4,9,13,18,23,28
1,2,4,8,14,19,26	1,4,9,13,19
1,2,4,8,14,19,26,27	1,4,9,13,19,20
1,2,4,8,14,19,26,29,33	1,4,9,13,19,21,24
1,2,4,8,14,19,26,29,34	1,4,9,13,19,21,25
1,2,4,8,14,19,26,29,34,39	1,4,9,13,19,21,25,29

Y 序列	0 - Y 序列
1,2,4,8,14,19,26,29,34,41	1,4,9,13,19,21,25,31
1,2,4,8,14,19, 26,29,34,41,47	1,4,9,13,19,21,25,31,36
1,2,4,8,14,19,26,30	1,4,9,13,19,22
1,2,4,8,14,19,26,30,36,41	1,4,9,13,19,22,27,31
1,2,4,8,14,19,26,31	1,4,9,13,19,23
1,2,4,8,14,19,26,32,26	1,4,9,13,19,24,19
1,2,4,8,14,19,26,33	1,4,9,13,19,27
1,2,4,8,14,19,26,33,34	1,4,9,13,19,27,28
1,2,4,8,14,19,26,33,39	1,4,9,13,19,27,32,20
1,2,4,8,14,19,26,33,41	1,4,9,13,19,27,34
1,2,4,8,14,20	1,4,9,14
1,2,4,8,14,20,8,12	1,4,9,14,4,7
1,2,4,8,14,20,8,14	1,4,9,14,4,9
1,2,4,8,14,20,8,14,19	1,4,9,14,4,9,13
1,2,4,8,14,20,8,14,20	1,4,9,14,4,9,14
1,2,4,8,14,20,13	1,4,9,14,8
1,2,4,8,14,20,13,18,23	1,4,9,14,8,12,16
1,2,4,8,14,20,14	1,4,9,14,9
1,2,4,8,14,20,14,15	1,4,9,14,9,10
1,2,4,8,14,20,14,17,9	1,4,9,14,9,11,5
1,2,4,8,14,20,14,18	1,4,9,14,9,12
1,2,4,8,14,20,14,18,24	1,4,9,14,9,12,17
1,2,4,8,14,20,14,18,24,29	1,4,9,14,9,12,17,21
1,2,4,8,14,20, 14,18,24,29,35	1,4,9,14,9,12,17,21,26
1,2,4,8,14,20, 14,18,24,29,36	1,4,9,14,9,12,17,21,27

Y 序列	0 – Y 序列
1,2,4,8,14,20,14,18,24,30	1,4,9,14,9,12,17,22
1,2,4,8,14,20, 14,18,24,30,24,27,9	1,4,9,14,9, 12,17,22,17,19,5
1,2,4,8,14,20,14,19	1,4,9,14,9,13
1,2,4,8,14,20, 14,19,25,31,37	1,4,9,14,9,13,18,23,28
1,2,4,8,14,20,14,20	1,4,9,14,9,14
1,2,4,8,14,20, 14,20,13,18,23	1,4,9,14,9,14,8,12,16
1,2,4,8,14,20, 14,20,14,17,9	1,4,9,14,9,14,9,11,5
1,2,4,8,14,20, 14,20,14,18,24,29	1,4,9,14,9,14,9,12,17,21
1,2,4,8,14,20,14, 20,14,18,24,30,24,29	1,4,9,14,9,14,9, 12,17,22,17,21
1,2,4,8,14,20,14,20,14,19	1,4,9,14,9,14,9,13
1,2,4,8,14,20,14, 20,14,19,25,31,37	1,4,9,14,9,14, 9,13,18,23,28
1,2,4,8,14,20, 14,20,14,20,14,19	1,4,9,14,9,14,9,14,9,13
1,2,4,8,14,20,14, 20,14,20,14,19,25,31,37	1,4,9,14,9,14,9, 14,9,13,18,23,28
1,2,4,8,14,20,15	1,4,9,14,10
1,2,4,8,14,20,17,9	1,4,9,14,11,5
1,2,4,8,14,20, 17,22,29,35	1,4,9,14,11,15,21,26
1,2,4,8,14,20, 17,22,29,36,29,35	1,4,9,14,11, 15,21,27,21,26
1,2,4,8,14,20, 17,22,29,36,30	1,4,9,14,11,15,21,27,22
1,2,4,8,14,20,18	1,4,9,14,12
1,2,4,8,14,20,18,24,30	1,4,9,14,12,17,22
1,2,4,8,14,20,19	1,4,9,14,13
1,2,4,8,14,20,19,24,29	1,4,9,14,13,17,21

Y 序列	0 - Y 序列
1,2,4,8,14,20,19,25	1,4,9,14,13,19
1,2,4,8,14,20,20	1,4,9,14,14
1,2,4,8,14,20,20,14,19	1,4,9,14,14,9,13
1,2,4,8,14,20, 20,14,20,14,19	1,4,9,14,14,9,14,13
1,2,4,8,14,20,20,14,20,19	1,4,9,14,14,13
1,2,4,8,14,20,25	1,4,9,14,18
1,2,4,8,14,20,26,19	1,4,9,14,19,13
1,2,4,8,14,20,26,20,25	1,4,9,14,19,14,18
1,2,4,8,14,20,26,25	1,4,9,14,19,18
1,2,4,8,14,20,26,31	1,4,9,14,19,23
1,2,4,8,14,21	1,4,9,15
1,2,4,8,14,21,28,35	1,4,9,15,21,27
1,2,4,8,14,21,30	1,4,9,15,23
1,2,4,8,14,21,30,41,51	1,4,9,15,23,33,42
1,2,4,8,14,21,30,41,52,42	1,4,9,15,23,33,43,34
1,2,4,8,14,21,30,41,53	1,4,9,15,23,33,44
1,2,4,8,14,22	1,4,9,16
1,2,4,8,14,22,14	1,4,9,16,9
1,2,4,8,14,22,14,20	1,4,9,16,9,14
1,2,4,8,14,22,14,21	1,4,9,16,9,15
1,2,4,8,14,22,14,22	1,4,9,16,9,16
1,2,4,8,14,22,20	1,4,9,16,14
1,2,4,8,14,22,20,28	1,4,9,16,14,21
1,2,4,8,14,22,21	1,4,9,16,15
1,2,4,8,14,22,22	1,4,9,16,16
1,2,4,8,14,22,23	1,4,9,16,17



Y 序列	$0-Y$ 序列
1,2,4,8,14,22,29	1,4,9,16,22
1,2,4,8,14,22,32	1,4,9,16,25
1,2,4,8,14,22,32,44	1,4,9,16,25,36
1,2,4,8,15	1,4,10
1,2,4,8,15,22	1,4,10,16
1,2,4,8,15,22,23	1,4,10,16,17
1,2,4,8,15,22,24	1,4,10,16,18
1,2,4,8,15,22,25,9	1,4,10,16,18,5
1,2,4,8,15,22,26	1,4,10,16,19
1,2,4,8,15,22,27	1,4,10,16,20
1,2,4,8,15,22,27,15	1,4,10,16,20,10
1,2,4,8,15,22, 27,15,22,27,15	1,4,10,16,20,10,16,20,10
1,2,4,8,15,22,27,16	1,4,10,16,20,11
1,2,4,8,15,22,28	1,4,10,16,21
1,2,4,8,15,22,29	1,4,10,16,22
1,2,4,8,15,22,29,29	1,4,10,16,22,22
1,2,4,8,15,22,29,36	1,4,10,16,22,28
1,2,4,8,15,23	1,4,10,17
1,2,4,8,15,24	1,4,10,18
1,2,4,8,15,24,35	1,4,10,18,28
1,2,4,8,15,24,36	1,4,10,18,29
1,2,4,8,15,25	1,4,10,19
1,2,4,8,15,25,26	1,4,10,19,20
1,2,4,8,15,25,38	1,4,10,19,31
1,2,4,8,15,26	1,4,10,20
1,2,4,8,15,26,42	1,4,10,20,35

Y 序列	0 – Y 序列
1,2,4,8,15,26,42,64	1,4,10,20,35,56
1,2,4,8,16	1,5
1,2,4,8,16,8	1,5,4
1,2,4,8,16,8,14	1,5,4,9
1,2,4,8,16,8,14,22	1,5,4,9,16
1,2,4,8,16,8,15	1,5,4,10
1,2,4,8,16,8,15,26	1,5,4,10,20
1,2,4,8,16,8,16	1,5,4,11
1,2,4,8,16,14	1,5,4,11,9
1,2,4,8,16,14,24,22	1,5,4,11,9,18,16
1,2,4,8,16,15	1,5,4,11,10
1,2,4,8,16,15,27	1,5,4,11,10,21
1,2,4,8,16,15,27,26	1,5,4,11,10,21,20
1,2,4,8,16,16	1,5,5
1,2,4,8,16,16,16	1,5,5,5
1,2,4,8,16,17	1,5,6
1,2,4,8,16,18	1,5,7
1,2,4,8,16,18,7,12,21	1,5,7,3,8
1,2,4,8,16,18,7,12,21,23	1,5,7,3,8,10
1,2,4,8,16,18,8	1,5,7,3,8,10,7
1,2,4,8,16,18,8,16,18	1,5,7,3,8,10,15,17
1,2,4,8,16,18,16	1,5,7,3,8,10,8
1,2,4,8,16,18,22	1,5,7,3,8,11
1,2,4,8,16,18,22,28	1,5,7,3,8,11,16
1,2,4,8,16,18,22,29	1,5,7,3,8,11,17
1,2,4,8,16,18,22,30	1,5,7,3,8,11,18

Y 序列	0 - Y 序列
1,2,4,8,16,18, 22,30,32,36,44	1,5,7,3,8,11,18,21,28
1,2,4,8,16,19,8	1,5,7,4
1,2,4,8,16,19,8,16,8	1,5,7,4,11,13
1,2,4,8,16,- -19,8,16,19,8	1,5,7,4,11,13,4
1,2,4,8,16,19,9	1,5,7,4,11,13,5
1,2,4,8,16,19,16	1,5,7,4,11,13,11
1,2,4,8,16,19,16,19,16	1,5,7,4,11,13,11,13,11
1,2,4,8,16,19,17	1,5,7,4,11,13,12
1,2,4,8,16,19,18	1,5,7,4,11,13,13
1,2,4,8,16,19,19,8	1,5,7,4,11,13,13,4
1,2,4,8,16,19,19,9	1,5,7,4,11,13,13,11
1,2,4,8,16,19,23	1,5,7,4,11,13,16
1,2,4,8,16,19,24	1,5,7,4,11,13,17
1,2,4,8,16,19,24,37	1,5,7,4,11,13,18
1,2,4,8,16,20	1,5,7,4,11,14
1,2,4,8,16,20,26	1,5,7,4,11,14,19
1,2,4,8,16,20,27	1,5,7,4,11,14,20
1,2,4,8,16,20,28	1,5,7,4,11,14,21
1,2,4,8,16,20,28,32,40	1,5,7,4,11,14,21,24,31
1,2,4,8,16,21	1,5,7,4,11,15
1,2,4,8,16,21,15	1,5,7,4,11,15,10
1,2,4,8,16,21,16	1,5,7,5
1,2,4,8,16,21,16,21,16	1,5,7,5,7,5
1,2,4,8,16,21,21,16	1,5,7,7,5
1,2,4,8,16,21,27	1,5,7,10
1,2,4,8,16,22	1,5,8

Y 序列	0 - Y 序列
1,2,4,8,16,22,8,16	1,5,8,4,11
1,2,4,8,16,22,8,16,20	1,5,8,4,11,14
1,2,4,8,16, 22,8,16,20,28	1,5,8,4,11,14,21
1,2,4,8,16,22,8,16,21	1,5,8,4,11,15
1,2,4,8,16,22,8,16,22	1,5,8,4,11,16
1,2,4,8,16,22,14,24,32	1,5,8,4,11,16,9,18,25
1,2,4,8,16,22,15,27	1,5,8,4,11,16,10,21,29
1,2,4,8,16,22,16	1,5,8,4,11,16,11
1,2,4,8,16,22,22,16	1,5,8,4,11,16,16,11
1,2,4,8,16,22,23	1,5,8,4,11,16,17
1,2,4,8,16,22,28,16	1,5,8,4,11,16,21,11
1,2,4,8,16,22,30	1,5,8,4,11,16,23
1,2,4,8,16,22,31	1,5,8,4,11,16,24
1,2,4,8,16,22,32	1,5,8,4,11,16,25
1,2,4,8,16,22,32,40	1,5,8,4,11,16,25,36,51
1,2,4,8,16,23	1,5,8,4,11,17
1,2,4,8,16,23,14,24,23	1,5,8,4,11,17,9,18,26
1,2,4,8,16,23,15	1,5,8,4,11,17,10
1,2,4,8,16,23,15,27,38	1,5,8,4,11,17,10,21,31
1,2,4,8,16,23,16	1,5,8,5
1,2,4,8,16,23,16,20	1,5,8,5,8
1,2,4,8,16,23,16,23,16	1,5,8,5,8,5
1,2,4,8,16,23,20	1,5,8,8
1,2,4,8,16,23,23,16	1,5,8,8,5
1,2,4,8,16,23,30,16	1,5,8,11,5
1,2,4,8,16,23,32	1,5,8,13

Y 序列	0 – Y 序列
1,2,4,8,16,23,33	1,5,8,13,4,11,17,26
1,2,4,8,16,23,33,16	1,5,8,13,5
1,2,4,8,16,23,33,46,16	1,5,8,13,20,5
1,2,4,8,16,23,34	1,5,8,14
1,2,4,8,16,23,34,50	1,5,8,14,24
1,2,4,8,16,23,35	1,5,8,15
1,2,4,8,16,23,35,35	1,5,8,15,15
1,2,4,8,16,23,35,42,16	1,5,8,15,18,5
1,2,4,8,16,23,35,45,16	1,5,8,15,20,5
1,2,4,8,16,23,35,46	1,5,8,15,21
1,2,4,8,16,23,35,46,63	1,5,8,15,21,32
1,2,4,8,16,24	1,5,9
1,2,4,8,16,24,16,24	1,5,9,5,9
1,2,4,8,16,24,20	1,5,9,8
1,2,4,8,16,24,23,16,24	1,5,9,8,5,9
1,2,4,8,16,24,23,30,16,24	1,5,9,8,11,5,9
1,2,4,8,16,24,23,33,16,24	1,5,9,8,13,5,9
1,2,4,8,16,24,23,34	1,5,9,8,14
1,2,4,8,16,24,23,35	1,5,9,8,15
1,2,4,8,16,24,23,35,47	1,5,9,8,15,22
1,2,4,8,16,24,24	1,5,9,9
1,2,4,8,16,24,25	1,5,9,10
1,2,4,8,16,24,26	1,5,9,11
1,2,4,8,16,24,27,16	1,5,9,11,5
1,2,4,8,16,24,27,16,24	1,5,9,11,5,9
1,2,4,8,16,24,17,16,24,26	1,5,9,11,5,9,11

Y 序列	0 – Y 序列
1,2,4,8,16,24,27,17	1,5,9,11,6
1,2,4,8,16,24,27,18	1,5,9,11,7
1,2,4,8,16,24,27,19	1,5,9,11,8
1,2,4,8,16,24, 27,23,16,24,27,18	1,5,9,11,8,5,9,11
1,2,4,8,16,24,27,23,17	1,5,9,11,8,6
1,2,4,8,16,24, 27,23,33,16,24,26	1,5,9,11,8,13,5,9,11
1,2,4,8,16,24,27,23,34	1,5,9,11,8,14
1,2,4,8,16,24,27,23,35	1,5,9,11,8,15
1,2,4,8,16,24,27, 23,35,47,50,36	1,5,9,11,8,15,22,26,16
1,2,4,8,16,24,27,24	1,5,9,11,9
1,2,4,8,16,24,27,31	1,5,9,11,14
1,2,4,8,16,24,28	1,5,9,12
1,2,4,8,16,24,31	1,5,9,12,4,11,18,24
1,2,4,8,16,24,31,16	1,5,9,12,5
1,2,4,8,16,24,31,16,24	1,5,9,12,5,9
1,2,4,8,16, 24,31,16,24,28	1,5,9,12,5,9,12
1,2,4,8,16,24,31,17	1,5,9,12,6
1,2,4,8,16,24,31,18	1,5,9,12,7
1,2,4,8,16,24,31,20	1,5,9,12,8
1,2,4,8,16,24,31,23,16	1,5,9,12,8,5
1,2,4,8,16,24, 31,23,16,24,31,17	1,5,9,12,8,5,9,12,6
1,2,4,8,16,24,31,23,31	1,5,9,12,8,12
1,2,4,8,16,24, 31,23,33,16,24,31,17	1,5,9,12,8,13,5,9,12,6
1,2,4,8,16,24,31,23,34	1,5,9,12,8,14

Y 序列	0 – Y 序列
1,2,4,8,16,24,31,24	1,5,9,12,9
1,2,4,8,16,24,32	1,5,9,13
1,2,4,8,16,26	1,5,11
1,2,4,8,16,27	1,5,11,4,11,21
1,2,4,8,16,27,16	1,5,11,5
1,2,4,8,16,28	1,5,12
1,2,4,8,16,28,44	1,5,12,22
1,2,4,8,16,28,44,64	1,5,12,22,35
1,2,4,8,16,29	1,5,13
1,2,4,8,16,31	1,5,15
1,2,4,8,16,31,57	1,5,15,35
1,2,4,8,16,32	1,6
1,2,4,8,16,32,48	1,6,11
1,2,4,8,16,32,56	1,6,15
1,2,4,8,16,32,60	1,6,18
1,2,4,8,16,32,61	1,6,19
1,2,4,8,16,32,62	1,6,20
1,2,4,8,16,32,63	1,6,21
1,2,4,8,16,32,64	1,7
1,2,4,8,16,32,64,128	1,8
1,2,4,8,16,32,64,128,256	1,9

A.22 Y 序列 (SHO 之后)

Y 序列
1, 3
1, 3, 2, 5

Y 序列
1, 3, 2, 5, 4
1, 3, 2, 5, 4, 9
1, 3, 3
1, 3, 4
1, 3, 4, 2, 5, 6, 5
1, 3, 4, 2, 5, 6, 9
1, 3, 4, 2, 5, 7
1, 3, 4, 2, 5, 7, 5
1, 3, 4, 2, 5, 7, 5, 5
1, 3, 4, 2, 5, 7, 5, 7
1, 3, 4, 2, 5, 7, 5, 7, 5
1, 3, 4, 2, 5, 7, 7, 5
1, 3, 4, 2, 5, 7, 9, 5
1, 3, 4, 2, 5, 7, 10
1, 3, 4, 2, 5, 7, 10, 4
1, 3, 4, 2, 5, 7, 10, 14
1, 3, 4, 2, 5, 7, 11
1, 3, 4, 2, 5, 7, 12
1, 3, 4, 2, 5, 8
1, 3, 4, 2, 5, 8, 5
1, 3, 4, 2, 5, 8, 8
1, 3, 4, 2, 5, 8, 9
1, 3, 4, 2, 5, 8, 9, 11
1, 3, 4, 2, 5, 8, 10
1, 3, 4, 2, 5, 8, 10, 8
1, 3, 4, 2, 5, 8, 10, 13



Y 序列
1, 3, 4, 2, 5, 8, 11
1, 3, 4, 2, 5, 9
1, 3, 4, 3
1, 3, 4, 3, 3
1, 3, 4, 3, 4
1, 3, 4, 3, 4, 3
1, 3, 4, 4
1, 3, 4, 4, 2, 5, 9, 8
1, 3, 4, 4, 3
1, 3, 4, 5
1, 3, 4, 5, 3
1, 3, 4, 6
1, 3, 4, 6, 3, 4, 6
1, 3, 4, 6, 4, 6
1, 3, 4, 6, 5, 7
1, 3, 4, 6, 6
1, 3, 4, 6, 6, 6
1, 3, 4, 6, 7
1, 3, 4, 6, 7, 9
1, 3, 4, 6, 8
1, 3, 4, 6, 9
1, 3, 4, 6, 10
1, 3, 4, 7
1, 3, 4, 7, 8, 3
1, 3, 4, 7, 8, 11
1, 3, 4, 7, 9

Y 序列
1, 3, 4, 7, 9, 14
1, 3, 4, 7, 10
1, 3, 4, 7, 11
1, 3, 4, 7, 11, 7
1, 3, 5
1, 3, 5, 3, 5
1, 3, 5, 4, 3, 5
1, 3, 5, 4, 6
1, 3, 5, 5
1, 3, 5, 5, 5
1, 3, 5, 6
1, 3, 5, 6, 2, 5, 10
1, 3, 5, 6, 3
1, 3, 5, 6, 3, 3
1, 3, 5, 6, 3, 5
1, 3, 5, 6, 4
1, 3, 5, 6, 4, 7
1, 3, 5, 6, 4, 7, 12
1, 3, 5, 6, 4, 7, 12, 18
1, 3, 5, 6, 5
1, 3, 5, 6, 6
1, 3, 5, 6, 7
1, 3, 5, 6, 8
1, 3, 5, 7
1, 3, 6
1, 3, 6, 8

Y 序列
1, 3, 6, 9
1, 3, 6, 10
1, 3, 6, 11
1, 3, 6, 12
1, 3, 6, 12, 24, 48
1, 3, 7
1, 3, 7, 3
1, 3, 7, 3, 7
1, 3, 7, 4
1, 3, 7, 5
1, 3, 7, 5, 9
1, 3, 7, 5, 9, 7, 11
1, 3, 7, 6
1, 3, 7, 6, 12, 25
1, 3, 7, 7
1, 3, 7, 8
1, 3, 7, 9
1, 3, 7, 10
1, 3, 7, 10, 16, 29
1, 3, 7, 11
1, 3, 7, 11, 15
1, 3, 7, 11, 15, 19
1, 3, 7, 12
1, 3, 7, 12, 20
1, 3, 7, 13
1, 3, 7, 14

Y 序列
1, 3, 7, 15
1, 3, 8
1, 3, 8, 17
1, 3, 8, 18
1, 3, 8, 19
1, 3, 8, 20
1, 3, 9
1, 3, 9, 25
1, 3, 9, 26
1, 3, 9, 27
1, 3, 9, 27, 81
1, 4
1, 4, 4
1, 4, 5
1, 4, 5, 3, 10, 18
1, 4, 5, 4
1, 4, 6
1, 4, 7
1, 4, 10
1, 4, 16, 64
1, 5
1, 5, 24
1, 5, 25
1, 6
1, 7
1, $\omega$

A.23 weak magma  $\omega - Y$  序列 (SYO 之后)

weak magma $\omega - Y$ 序列
1, 4
1, 4, 3
1, 4, 3, 11
1, 4, 4
1, 4, 5
1, 4, 5, 3
1, 4, 5, 3, 11
1, 4, 5, 4
1, 4, 5, 4, 3
1, 4, 5, 4, 4
1, 4, 5, 4, 5
1, 4, 5, 5
1, 4, 5, 5, 3
1, 4, 5, 5, 4
1, 4, 5, 5, 4, 5, 4
1, 4, 5, 5, 4, 5, 5, 4
1, 4, 5, 5, 5
1, 4, 5, 6
1, 4, 5, 6, 7
1, 4, 5, 7
1, 4, 5, 8
1, 4, 5, 8, 18
1, 4, 5, 9
1, 4, 5, 9, 13
1, 4, 5, 9, 14, 22

weak magma $\omega - Y$ 序列
1, 4, 5, 9, 14, 23
1, 4, 6
1, 4, 6, 3
1, 4, 6, 3, 11, 37, 10
1, 4, 6, 4
1, 4, 6, 4, 5
1, 4, 6, 4, 6
1, 4, 6, 4, 6, 4
1, 4, 6, 5
1, 4, 6, 5, 9
1, 4, 6, 5, 9, 15
1, 4, 6, 6
1, 4, 6, 6, 4
1, 4, 6, 6, 5
1, 4, 6, 6, 6
1, 4, 6, 7
1, 4, 6, 7, 11
1, 4, 6, 8
1, 4, 6, 9
1, 4, 6, 9, 16
1, 4, 6, 10
1, 4, 6, 11
1, 4, 6, 12
1, 4, 6, 13
1, 4, 6, 14
1, 4, 7

weak magma $\omega - Y$ 序列
1, 4, 7, 8
1, 4, 7, 9
1, 4, 7, 10
1, 4, 7, 10, 13
1, 4, 8
1, 4, 8, 15
1, 4, 8, 16
1, 4, 9
1, 4, 9, 21
1, 4, 9, 22
1, 4, 9, 22, 64
1, 4, 10
1, 4, 10, 19
1, 4, 10, 22
1, 4, 10, 22, 46
1, 4, 11
1, 4, 11, 30
1, 4, 11, 30, 88, 280
1, 4, 12
1, 4, 12, 32
1, 4, 13
1, 4, 13, 41
1, 4, 13, 41, 134
1, 4, 13, 41, 134, 465
1, 4, 14
1, 4, 14, 46

weak magma $\omega - Y$ 序列
1, 4, 14, 46, 146
1, 4, 15
1, 4, 15, 57
1, 4, 15, 57, 230
1, 4, 15, 57, 230, 1011
1, 4, 16
1, 4, 16, 66
1, 4, 16, 66, 286
1, 4, 17
1, 4, 17, 77
1, 4, 17, 77, 372
1, 4, 17, 77, 372, 1915
1, 4, 18
1, 4, 18, 90
1, 4, 18, 90, 494
1, 4, 19
1, 4, 19, 106
1, 4, 19, 106, 683
1, 4, 20
1, 4, 20, 126
1, 4, 20, 126, 992
1, 5
1, 6
1, 7
1, $\omega$



## 附录 B 重要记号及其极限

世界上大数记号、大序数记号以及各种衍生记号的数量极为庞大，但是它们中的绝大部分非良定义，或者过于累赘和弱小，缺乏参考价值。本表选择了一部分较为经典和重要的记号，按照其增长率的极限从小到大排列如下，供读者参考。本表内容引自<sup>[62]</sup>，大数记号的极限为最大 FGH 增长率。

需要注意的是，表中并非所有记号都得到了大数界的普遍承认，这些记号也可能不是良定义的。目前只能认为  $\omega - Y$  的良定义性是比较可靠的，而只有 BMS 的良定义性得到了较严格的证明。因此，在这之后的大数记号仍然处于危险地带之中，随时可能被更严格的分析所排除。此外，由于大数的资料极度分散以及去中心化，许多大数记号都是在非正式或者非公开的场合中提出的，因此并非所有的记号都能够找到相应的定义及出处（特别是比较晚近的记号以及国内记号）。部分可找到公开定义的记号已引用了相应的参考文献。

本表的结果更新至 2023 年。

### B.1 Part I

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
后继 <sup>[63]</sup> Successor	0
加法 <sup>[64]</sup> Addition	0
进位计数制 n-base	1 (0)
单位进数 (如万进/华严经) Unit Number system	1 (0)
乘法 <sup>[65]</sup> Multiplication	1 (0)
科学计数法 <sup>[66]</sup> Scientific Notation	2 (0)(0)
幂集 <sup>[67]</sup> Power set	2 (0)(0)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
指数函数 <sup>[68]</sup> Exponential function	2 (0)(0)
阶乘 <sup>[69]</sup> Factorial	2 (0)(0)
-illion 系统 <sup>[70]</sup> -illion system	>2 >(0)(0)
-yillion 系统 <sup>[71]</sup> -yillion system	>2 >(0)(0)
指数塔 <sup>[72]</sup> Tetration	3 (0)(0)(0)
多边形记号 <sup>[73]</sup> Polygon Notation	3 (0)(0)(0)
第五级运算 <sup>[74]</sup> Pentiration	4 (0)(0)(0)(0)

B.2 Part II

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Moser 多边形记号 <sup>[73]</sup> Moser's Polygon Notation (Moser, 1950)	$\omega$ $\varphi(1)$ $\psi(1)$ (BOCF) (0)(1)
Monafo 超运算 <sup>[75]</sup> Monafo's Hyper operation	$\omega$ $\varphi(1)$ $\psi(1)$ (BOCF) (0)(1)
下箭头 <sup>[76]</sup> Down-Arrow	$\omega$ $\varphi(1)$ $\psi(1)$ (BOCF) (0)(1)
超阶乘 <sup>[77]</sup> Hyper Factorial	$\omega$ $\varphi(1)$ $\psi(1)$ (BOCF) (0)(1)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
超运算 <sup>[75]</sup> Hyper operation	$\omega$ $\varphi(1)$ $\psi(1)$ (BOCF) (0)(1)
Knuth 上箭头 <sup>[78]</sup> Knuth's Up-Arrow (Knuth, 1976)	$\omega$ $\varphi(1)$ $\psi(1)$ (BOCF) (0)(1)
首个超限序数 <sup>[79]</sup> FTO (First Transfinite Ordinal)	$\omega$ $\varphi(1)$ $\psi(1)$ (BOCF) (0)(1)
Ackermann 函数 <sup>[80]</sup> Ackerman's Function (Ackermann, 1919)	$\omega$ $\varphi(1)$ $\psi(1)$ (BOCF) (0)(1)
Graham 函数 <sup>[81]</sup> Graham's Function (Graham, 1980)	$\omega + 1$ $\varphi(1) + 1$ $\psi(1) + 1$ (BOCF) (0)(1)(0)
Clarkkkkson <sup>[82]</sup> (1988)	$\omega + 1$ $\varphi(1) + 1$ $\psi(1) + 1$ (BOCF) (0)(1)(0)
Graham 记号 <sup>[81]</sup> Graham Notation (Graham, 1980)	$\omega \cdot 2$ $\varphi(1) \cdot 2$ $\psi(1) \cdot 2$ (BOCF) (0)(1)(0)(1)
Forcal 函数 <sup>[83]</sup> Forcal Function (Aarex)	$\omega^2$ $\varphi(2)$ $\psi(2)$ (BOCF) (0)(1)(1)
Conway 链 <sup>[84]</sup> Conway Chain (Chained Arrow) (Conway, Kenneth, 1971)	$\omega^2$ $\varphi(2)$ $\psi(2)$ (BOCF) (0)(1)(1)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
f $\phi$ 函数 <sup>[85]</sup> f $\phi$ function	$\omega^2$ $\varphi(2)$ $\psi(2)$ (BOCF) (0)(1)(1)
CG 函数 <sup>[84]</sup> CG function (Conway, Kenneth, 1971)	$\omega^2$ $\varphi(2)$ $\psi(2)$ (BOCF) (0)(1)(1)
Bowers {} 记号 <sup>[86]</sup> Bowers' {} (Bowers, Bird, Spencer, 2002)	$\omega^2$ $\varphi(2)$ $\psi(2)$ (BOCF) (0)(1)(1)
扩展 Conway 链 <sup>[84]</sup> Extended chained Arrow (Hurford, 1995)	$\omega^3$ $\varphi(3)$ $\psi(3)$ (BOCF) (0)(1)(1)(1)
C 函数 <sup>[84]</sup> C function (Hurford)	$\omega^3 + 1$ $\varphi(3) + 1$ $\psi(3) + 1$ (BOCF) (0)(1)(1)(1)(0)(1)
MGH 首次追平 FGH 1st time MGH catches FGH	$\omega^\omega$ $\varphi(\varphi(1))$ $\psi(\psi(1))$ (BOCF) (0)(1)(2)
线性数阵序数 LAO (Linar Array Ord) (1976)	$\omega^\omega$ $\varphi(\varphi(1))$ $\psi(\psi(1))$ (BOCF) (0)(1)(2)
(-2)-Y 序列 (-2)-Y sequence (2023)	$\omega^\omega$ $\varphi(\varphi(1))$ $\psi(\psi(1))$ (BOCF) (0)(1)(2)
Aarex 多边形记号 <sup>[87]</sup> Aarex's Polygon Notation (Aarex)	$\omega^\omega$ $\varphi(\varphi(1))$ $\psi(\psi(1))$ (BOCF) (0)(1)(2)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Bashicu 数阵算符 Bashicu Array operator (Bashicu)	$\omega^\omega$ $\varphi(\varphi(1))$ $\psi(\psi(1))$ (BOCF) (0)(1)(2)
线性数阵 <sup>[86]</sup> Linar Arrays (Bowers, 2003)	$\omega^\omega$ $\varphi(\varphi(1))$ $\psi(\psi(1))$ (BOCF) (0)(1)(2)
平面数阵 <sup>[86]</sup> Planar Arrays (Bowers, 2003)	$\omega^{\omega^2}$ $\varphi(\varphi(2))$ $\psi(\psi(2))$ (BOCF) (0)(1)(2)(2)
维度数阵 <sup>[86]</sup> Dimensional Arrays (Bowers, 2003)	$\omega^{\omega^\omega}$ $\varphi(\varphi(\varphi(1)))$ $\psi(\psi(\psi(1)))$ (BOCF) (0)(1)(2)(3)

B.3 Part III

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
PTO $((\Pi_0^1 - \text{CA})_0)$	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)
小 Cantor 序数 <sup>[88]</sup> SCO (Small Cantor's Ordinal)	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)
HH 首次追平 FGH 1st time HH catches FGH	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
初等序列 <sup>[89]</sup> PrSS (Primitive Sequence System) (Bashicu, 2014)	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)
Worm 函数 <sup>[90]</sup> Worm Function (2002)	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)
(-1)-Y 序列 (-1)-Y sequence (2022)	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)
Brace 数阵 <sup>[91]</sup> Brace Array Notation (HypCos, 2013)	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)
Hydra 问题 <sup>[92]</sup> Hydra (Kirby, Paris, 1984)	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)
多维数阵 <sup>[86]</sup> Multi Dimensional Arrays (Bowers)	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)
Goodstein 序列 <sup>[93]</sup> Goodstein sequence (Goodstein)	$\varepsilon_0$ $\varphi(1, 0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF) (0,0)(1,1)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
燃烧数 <sup>[94]</sup> Fusible Number	$\geq \varepsilon_0$ $\geq \varphi(1, 0)$ $\geq \psi(0)$ (MOCF) $\geq \psi(\Omega)$ (BOCF) $\geq (0,0)(1,1)$
marxen.c 函数 <sup>[95]</sup> marxen.c function (Marxen)	$\varepsilon_0 + \omega \cdot 3$ $\varphi(1, 0) + \varphi(1) \cdot 3$ $\psi(0) + \omega \cdot 3$ (MOCF) $\psi(\Omega) + \psi(1) \cdot 3$ (BOCF) $(0,0)(1,1)(0,0)(1,0)$ - $-(0,0)(1,0)(0,0)(1,0)$
PTO $((\Pi_0^1 - \text{TR})_0)$	$\varepsilon_\omega$ $\varphi(1, \omega)$ $\psi(\omega)$ (MOCF) $\psi(\Omega \cdot \omega)$ (BOCF) $(0,0)(1,1)(2,0)$
含 $[]$ 的 Bird 数阵 <sup>[96]</sup> BAN with $[]$ (Bird, 2006)	$\varepsilon_\omega$ $\varphi(1, \omega)$ $\psi(\omega)$ (MOCF) $\psi(\Omega \cdot \omega)$ (BOCF) $(0,0)(1,1)(2,0)$
0-下降记号 <sup>[97]</sup> 0-dropping notation	$\varepsilon_\omega$ $\varphi(1, \omega)$ $\psi(\omega)$ (MOCF) $\psi(\Omega \cdot \omega)$ (BOCF) $(0,0)(1,1)(2,0)$
Cantor 序数 <sup>[98]</sup> CO (Cantor's Ordinal)	$\zeta_0$ $\varphi(2, 0)$ $\psi(\Omega)$ (MOCF) $\psi(\Omega^2)$ (BOCF) $(0,0)(1,1)(2,1)$
$\varepsilon$ 函数 <sup>[88]</sup> $\varepsilon$ function	$\zeta_0$ $\varphi(2, 0)$ $\psi(\Omega)$ (MOCF) $\psi(\Omega^2)$ (BOCF) $(0,0)(1,1)(2,1)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
扩展维度数阵 <sup>[86]</sup> Extended Dimensional Arrays	$\zeta_0$ $\varphi(2, 0)$ $\psi(\Omega)$ (MOCF) $\psi(\Omega^2)$ (BOCF) (0,0)(1,1)(2,1)
大 Cantor 序数 <sup>[99]</sup> LCO (Large Cantor's Ordinal)	$\eta_0$ $\varphi(3, 0)$ $\psi(\Omega^2)$ (MOCF) $\psi(\Omega^3)$ (BOCF) (0,0)(1,1)(2,1)(2,1)
$\zeta$ 函数 <sup>[98]</sup> $\zeta$ function	$\eta_0$ (0,0)(1,1)(2,1)(2,1)
$\eta$ 函数 <sup>[99]</sup> $\eta$ function	$\varphi(4, 0)$ $\psi(\Omega^3)$ (MOCF) $\psi(\Omega^4)$ (BOCF) (0,0)(1,1)(2,1)(2,1)(2,1)
长初等序列 <sup>[100]</sup> LPrSS (Long Primitive Sequence System)	$\varphi(\omega, 0)$ $\psi(\Omega^\omega)$ (MOCF) $\psi(\Omega^\omega)$ (BOCF) (0,0)(1,1)(2,1)(3,0)
0-递增元序列 <sup>[101-103]</sup> 0-IUN (0-Increase Unit Notation) (318'4, 2023)	$\varphi(\omega, 0)$ $\psi(\Omega^\omega)$ (MOCF) $\psi(\Omega^\omega)$ (BOCF) (0)(1,1)(2,1)(3)
超 Cantor 序数 <sup>[99]</sup> HCO (Hyper Cantor's Ordinal)	$\varphi(\omega, 0)$ $\psi(\Omega^\omega)$ (MOCF) $\psi(\Omega^\omega)$ (BOCF) (0,0)(1,1)(2,1)(3,0)

## B.4 Part IV



记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Feferman-Schutte 序数 <sup>[104]</sup> FSO (Feferman-Schutte Ordinal)	$\Gamma_0$ $\varphi(1, 0, 0)$ $\psi(\Omega^\Omega)$ (MOCF) $\psi(\Omega^\Omega)$ (BOCF) (0,0)(1,1)(2,1)(3,1)
二元 Veblen 函数 <sup>[105]</sup> Binary Veblen Function	$\Gamma_0$ $\varphi(1, 0, 0)$ $\psi(\Omega^\Omega)$ (MOCF) $\psi(\Omega^\Omega)$ (BOCF) (0,0)(1,1)(2,1)(3,1)
弱 Veblen 函数 <sup>[105]</sup> Small Veblen Function ( $0 - \phi$ )	$\Gamma_0$ $\varphi(1, 0, 0)$ $\psi(\Omega^\Omega)$ (MOCF) $\psi(\Omega^\Omega)$ (BOCF) (0,0)(1,1)(2,1)(3,1)
$\Gamma$ 函数 <sup>[104]</sup> $\Gamma$ Function	$\varphi(1, 1, 0)$ $\psi(\Omega^{\Omega+1})$ (MOCF) $\psi(\Omega^{\Omega+1})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(2,1)
$\omega$ -下降 Worm <sup>[97]</sup> $\omega$ -dropping Worm	$\varphi(\omega, 0, 0)$ $\psi(\Omega^{\Omega \cdot \omega})$ (MOCF) $\psi(\Omega^{\Omega \cdot \omega})$ (BOCF) (0)(1,1)(2,1)(3,1)(3)
Ackermann 序数 AO (Ackermann Ordinal)	$\varphi(1, 0, 0, 0)$ $\psi(\Omega^{\Omega^2})$ (MOCF) $\psi(\Omega^{\Omega^2})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(3,1)
E# 记号 <sup>[106]</sup> E# (Saibian, 2008)	$\varphi(1, 0, 0, 0)$ $\psi(\Omega^{\Omega^2})$ (MOCF) $\psi(\Omega^{\Omega^2})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(3,1)
tree 函数 <sup>[107]</sup> tree (Friedman, 2000)	$\varphi(1@ \omega)$ $\psi(\Omega^{\Omega^\omega})$ (MOCF) $\psi(\Omega^{\Omega^\omega})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(4,0)
小 Veblen 序数 <sup>[108]</sup> SVO (Small Veblen Ordinal)	$\varphi(1@ \omega)$ $\psi(\Omega^{\Omega^\omega})$ (MOCF) $\psi(\Omega^{\Omega^\omega})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(4,0)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
otree 函数 <sup>[107]</sup> otree (Friedman)	$\varphi(1@ \omega)$ $\psi(\Omega^{\Omega^\omega})$ (MOCF) $\psi(\Omega^{\Omega^\omega})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(4,0)
TREE 函数 <sup>[107]</sup> TREE (Friedman, 2001)	$\geq \varphi(\omega@ \omega)$ $\geq \psi(\Omega^{\Omega^\omega \cdot \omega})$ (MOCF) $\geq \psi(\Omega^{\Omega^\omega \cdot \omega})$ (BOCF) $\geq (0,0)(1,1)(2,1)(3,1)(4,0)(3,0)$
Veblen 函数 <sup>[105]</sup> Veblen Function (Veblen, 1908)	$\varphi(1@ (1, 0))$ $\psi(\Omega^{\Omega^\Omega})$ (MOCF) $\psi(\Omega^{\Omega^\Omega})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(4,1)
Bowers 数阵 <sup>[86]</sup> BEAF (Bowers' Exploding Array Function) (Chris Bird's Limit)	$\varphi(1@ (1, 0))$ $\psi(\Omega^{\Omega^\Omega})$ (MOCF) $\psi(\Omega^{\Omega^\Omega})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(4,1)
扩展小 Veblen 序数 ESVO (Extended Small Veblen Ordinal)	$\varphi(1@ (1@ \omega))$ $\psi(\Omega^{\Omega^{\Omega^\omega}})$ (MOCF) $\psi(\Omega^{\Omega^{\Omega^\omega}})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(4,1)(5,0)
大 Veblen 函数 <sup>[109]</sup> Large Veblen Function (2 - $\phi$ ) (74& 4574, 2021)	$\varphi(1@ (1@ (1, 0)))$ $\psi(\Omega^{\Omega^{\Omega^\Omega}})$ (MOCF) $\psi(\Omega^{\Omega^{\Omega^\Omega}})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(4,1)(5,1)
扩展大 Veblen 序数 ELVO (Extended Large Veblen Ordinal)	$\varphi(1@ (1@ (1, 0)))$ $\psi(\Omega^{\Omega^{\Omega^\Omega}})$ (MOCF) $\psi(\Omega^{\Omega^{\Omega^\Omega}})$ (BOCF) (0,0)(1,1)(2,1)(3,1)(4,1)(5,1)
Bachmann-Howard 序数 <sup>[110]</sup> BHO (Bachmann-Howard Ordinal)	$\psi(\psi_1(0))$ (MOCF) $\psi(\Omega_2)$ (BOCF) (0,0)(1,1)(2,2)
Madore's $\psi$ 函数 <sup>[111]</sup> MPF (Madore's $\psi$ Function)	$\psi(\psi_1(0))$ (MOCF) $\psi(\Omega_2)$ (BOCF) (0,0)(1,1)(2,2)
大 Veblen 系统 <sup>[105]</sup> LVS (Large Veblen System)	$\psi(\psi_1(0))$ (MOCF) $\psi(\Omega_2)$ (BOCF) (0,0)(1,1)(2,2)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
扩展 Veblen 系统 <sup>[105]</sup> ExV (Extended Veblen Function)	$\psi(\psi_1(0))$ (MOCF) $\psi(\Omega_2)$ (BOCF) (0,0)(1,1)(2,2)
$\Omega$ 记号 $\Omega$ Notation	$\psi(\psi_1(0))$ (MOCF) $\psi(\Omega_2)$ (BOCF) (0)(1,1)(2,2)
含 $\sim$ 的 Bird 数阵 <sup>[112]</sup> Bird's $\sim$ (Bird)	$\psi(\psi_2(0))$ (MOCF) $\psi(\Omega_3)$ (BOCF) (0,0)(1,1)(2,2)(3,3)
含 $\blacklozenge$ 的 Bird 数阵 <sup>[112]</sup> Bird's $\blacklozenge$	$\psi(\psi_3(0))$ (MOCF) $\psi(\Omega_4)$ (BOCF) (0,0)(1,1)(2,2)(3,3)(4,4)

## B.5 Part V

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
PTO $((\Pi_1^1 - \text{CA})_0)$	$\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF) (0,0,0)(1,1,1)
Buchholz's 序数 <sup>[113]</sup> BO (Buchholz's Ordinal)	$\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF) (0,0,0)(1,1,1)
SGH 首次追平 FGH 1st SF catching	$\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF) (0,0,0)(1,1,1)
单一递增元序列 <sup>[101-103]</sup> SIUN (Single Increase Unit Notation) (318'4, 2023)	$\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF) (0,0,0)(1,1,1)
超初等序列 <sup>[114]</sup> HPrSS (Hyper Primitive Sequence System)	$\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF) (0,0,0)(1,1,1)
进制数阵 I ABN I (Array Basic Notation I) (4574, 2021)	$\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF) (0,0,0)(1,1,1)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
双行序列系统 <sup>[115]</sup> PSS (Pair Sequence System)	$\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF) (0,0,0)(1,1,1)
含 & 的 BEAF <sup>[86]</sup> & in BEAF	$\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF) (0,0,0)(1,1,1)
增长链 Increasable Chain (4574, 2023)	$> \psi(\Omega_\omega)$ (MOCF) $> \psi(\Omega_\omega)$ (BOCF) $> (0,0,0)(1,1,1)$
SCG 函数 <sup>[116]</sup> SCG Function (Subcubic Graph number) (Friedman)	$\psi(\Omega_\omega \cdot \omega) \sim \psi(\Omega_\omega^\omega)$ (MOCF) $\psi(\Omega_\omega \cdot \omega) \sim \psi(\Omega_\omega^\omega)$ (BOCF) 在 (0,0,0)(1,1,1)(2,0,0) 与 (0,0,0)(1,1,1)(2,1)(3,0,0) 之间
SSCG 函数 <sup>[116]</sup> SSCG Function (Simple Subcubic Graph number) (Friedman)	$\psi(\Omega_\omega \cdot \omega) \sim \psi(\Omega_\omega^\omega)$ (MOCF) $\psi(\Omega_\omega \cdot \omega) \sim \psi(\Omega_\omega^\omega)$ (BOCF) 在 (0,0,0)(1,1,1)(2,0,0) 与 (0,0,0)(1,1,1)(2,1)(3,0,0) 之间
Buchholz's $\psi$ 函数 <sup>[117]</sup> BPF (Buchholz's $\psi$ Function) (Buchholz, 1986)	$\psi(\psi_\omega(0))$ (MOCF) $\psi(\Omega_{\omega+1})$ (BOCF) (0,0,0)(1,1,1)(2,1)(3,2,0)
Takeuti-Feferman-Buchholz's 序数 <sup>[118]</sup> TFBO (Takeuti-Feferman-Buchholz's Ordinal)	$\psi(\psi_\omega(0))$ (MOCF) $\psi(\Omega_{\omega+1})$ (BOCF) (0,0,0)(1,1,1)(2,1)(3,2,0)
PTO ( $\Pi_1^1 - \text{CA} + \text{BI}$ )	$\psi(\psi_\omega(0))$ (MOCF) $\psi(\Omega_{\omega+1})$ (BOCF) (0,0,0)(1,1,1)(2,1,0)(3,2,0)
BHydra 函数 <sup>[119]</sup> BHydra (Buchholz's Hydra) (Buchholz, 1987)	$\psi(\psi_\omega(0))$ (MOCF) $\psi(\Omega_{\omega+1})$ (BOCF) (0,0,0)(1,1,1)(2,1)(3,2,0)
Bird 数阵 <sup>[112]</sup> BAN (Bird's Array Notation) (Bird, 2014)	$\psi(\Omega_\Omega)$ (MOCF) $\psi(\Omega_\Omega)$ (BOCF) (0,0,0)(1,1,1)(2,1,1)(3,1,0)
Bird 序数 <sup>[112]</sup> BIO (Bird's Ordinal)	$\psi(\Omega_\Omega)$ (MOCF) $\psi(\Omega_\Omega)$ (BOCF) (0,0,0)(1,1,1)(2,1,1)(3,1,0)

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PTO ( $(\Pi_1^1 - \text{TR})_0$ )	$\psi(2 \uparrow 1 - 2)$ $\psi(\psi_I(0))$ (M-like) $\psi(I)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(2, 0, 0)$
SGH 第 $\omega$ 次追平 FGH $\omega$ th SF catching	$\psi(2 \uparrow 1 - 2)$ $\psi(\psi_I(0))$ (M-like) $\psi(I)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(2, 0, 0)$
扩展 Buchholz 序数 <sup>[120]</sup> EBO (Extended Buchholz's Ordinal)	$\psi(2 \uparrow 1 - 2)$ $\psi(\psi_I(0))$ (M-like) $\psi(I)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(2, 0, 0)$
扩展 Buchholz $\psi$ 函数 <sup>[121]</sup> EBPF (Extended Buchholz's $\psi$ Function) (Maksudov, 1987)	$\psi(2 \uparrow 1 - 2)$ $\psi(\psi_I(0))$ (M-like) $\psi(I)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(2, 0, 0)$
急序列系统 SSS (Sudden Sequence System) (Bashicu, 2017)	$\psi(2 \uparrow 1 - 2)$ $\psi(\psi_I(0))$ (M-like) $\psi(I)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(2, 0, 0)$
Buchholz's $\Phi$ 函数 Buchholz's $\Phi$ (Buchholz, 1987)	$\psi(I^{I'})$ (M-like) $\psi(I^{I'})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 0)(4, 1, 0)(5, 1, 0)$
Jäger 序数 JO (Jäger's Ordinal)	$\psi(2 \text{ aft } 1 - 2)$ $\psi(\psi_{\Omega_{I+1}}(0))$ (M-like) $\psi(\Omega_{I+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(4, 2, 0)$
PTO(KPi)	$\psi(2 \text{ aft } 1 - 2)$ $\psi(\psi_{\Omega_{I+1}}(0))$ (M-like) $\psi(\Omega_{I+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(4, 2, 0)$
Jäger-Buchholz 函数 <sup>[122]</sup> JBF (Jäger-Buchholz Function) (Jäger, Buchholz)	$\psi(2 \text{ aft } 1 - 2)$ $\psi(\psi_{\Omega_{I+1}}(0))$ (M-like) $\psi(\Omega_{I+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(4, 2, 0)$

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N-like 首次追平 BOCF 1st NOCF catches BOCF	$\psi(2 \text{ aft } 1 - 2)$ $\psi(\psi_{\Omega_{I+1}}(0))$ (M-like) $\psi(\Omega_{I+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(4, 2, 0)$
小不可达序数 SIO (Small Inaccessible Ordinal) (2023)	$\psi(1 - 2 \ 1 - 2)$ $\psi(I_\omega)$ (M-like) $\psi(I_\omega)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)$
超阶乘数阵 <sup>[123]</sup> HAN (Hyper-factoral Array Notation) (2013)	$\psi((1-)^{(2 \ 1-2)} 2 \ 1 - 2)$ $\psi(I_I)$ (M-like) $\psi(I_I)$ (B-like) $(0,0,0)(1,1,1)(2,1,1)(3,1,1)-$ $-(2,1,1)(3,1,0)(1,1,1)(2,1,1)-$ $-(3,1,0)(4,2,1)(5,2,1)(6,2,1)-$ $-(5,2,1)(6,1,0)(2,0,0)$
大数入门 OCF <sup>[124]</sup> (HypCos, 2014)	$\psi(2 \text{ aft } 2 \ 1 - 2 \ 1 - 2)$ $\psi(\psi_{\Omega_{I(1,0)+1}}(0))$ (M-like) $\psi(\Omega_{I(1,0)+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)-$ $(2, 1, 1)(3, 1, 0)(4, 2, 0)$
PTO(KPH)	$\psi(2 \text{ aft } 2 \ 1 - 2 \ 1 - 2)$ $\psi(\psi_{\Omega_{I(1,0)+1}}(0))$ (M-like) $\psi(\Omega_{I(1,0)+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)-$ $(2, 1, 1)(3, 1, 0)(4, 2, 0)$
多重 Buchholz 序数 MBO (Mutiply Buchholz's Ordinal)	$\psi((2 \ 1-)^{\omega} 2)$ $\psi(I(\omega, 0))$ (M-like) $\psi(I(\omega, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 0, 0)$
线性 R 函数 <sup>[125]</sup> LRF (Linear R Function) (HypCos, 2013)	$\psi((2 \ 1-)^{\omega} 2)$ $\psi(I(\omega, 0))$ (M-like) $\psi(I(\omega, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 0, 0)$
简单迭代数阵 <sup>[126]</sup> SIAN (Simple Iteration Array Notation) (aeroplane32, 2018)	$\psi((2 - 1-)^{\omega} 2)$ $\psi(I(\omega, 0))$ (M-like) $\psi(I(\omega, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 0, 0)$

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超级数阵 ULAN (Ultra Array Notation) (五年高考, 2020)	$\psi((2 \ 1-)^{\omega} \ 2)$ $\psi(I(\omega, 0))$ (M-like) $\psi(I(\omega, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 0, 0)$
Fire 数阵 FAN (Fire Array Notation) (1000°C 的人, 2023)	$\psi((2 \ 1-)^{\omega} \ 2)$ $\psi(I(\omega, 0))$ (M-like) $\psi(I(\omega, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 0, 0)$
线性 Zenith 记号 <sup>[127]</sup> LZN (Linear Zenith Notation)	$\psi((2 \ 1-)^{\omega} \ 2)$ $\psi(I(\omega, 0))$ (M-like) $\psi(I(\omega, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 0, 0)$
a 强数组记号-1 <sup>[128]</sup> aSAN-1 (a Strong Array Notation-1)	$\psi((2 \ 1-)^{\omega} \ 2)$ $\psi(I(\omega, 0))$ (M-like) $\psi(I(\omega, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 0, 0)$

## B.6 Part VI

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
超限 Buchholz 序数 TBO (Transfinty Buchholz's Ordinal)	$\psi((2 \ 1-)^{1,1} \ 2)$ $\psi(I(1, 0, 0))$ (M-like) $\psi(I(1, 0, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)-$ $(3, 1, 1)(3, 1, 0)(2, 0, 0)$
维度 R 函数 <sup>[125]</sup> Dimensional R Function	$\psi((2 \ 1-)^{1,1} \ 2)$ $\psi(I(1, 0, 0))$ (M-like) $\psi(I(1, 0, 0))$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)-$ $(3, 1, 1)(3, 1, 0)(2, 0, 0)$
小 Rathjen 序数 SRO (Small Rathjen's Ordinal)	$\psi(2 \text{ aft } 2 - 2)$ $\psi(\psi_{\Omega_{M+1}}(0))$ (M-like) $\psi(\Omega_{M+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1)-$ $(3, 1, 1)(3, 1, 0)(4, 2, 0)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Mahlo 序数折叠函数 Mahlo OCF	$\psi(2 \text{ aft } 2 - 2)$ $\psi(\psi_{\Omega_{M+1}}(0))$ (M-like) $\psi(\Omega_{M+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(3, 1, 0)(4, 2, 0)$
PTO(KPM)	$\psi(2 \text{ aft } 2 - 2)$ $\psi(\psi_{\Omega_{M+1}}(0))$ (M-like) $\psi(\Omega_{M+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(3, 1, 0)(4, 2, 0)$
Rathjen's $\chi$ 函数 <sup>[129]</sup> Rathjen's $\chi$ (Rathjen, 1989)	$\psi(1 - 2 - 2)$ $\psi(M_\omega)$ (M-like) $\psi(M_\omega)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(3, 1, 1)$
字节数阵 <sup>[130]</sup> Bite Notation (Glise229, 2020)	$\psi(1 - 2 - 2)$ $\psi(M_\omega)$ (M-like) $\psi(M_\omega)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(3, 1, 1)$
小 Mahlo 序数 SMO (Small Mahlo Ordinal) (2023)	$\psi(1 - 2 - 2)$ $\psi(M_\omega)$ (M-like) $\psi(M_\omega)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(3, 1, 1)$
疯狂 Mahlo 记号 CMN (Crazy Mahlo Notation) (Bugit, 2022)	$\psi(2 \text{ aft } 2 - 2 - 2)$ $\psi(\psi_{\Omega_{N+1}}(0))$ (M-like) $\psi(\Omega_{N+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(3, 1, 1)(3, 1, 0)(4, 2, 0)$
小不可转换序数 SNO (Small Nonconvertible Ordinal)	$\psi(1 - 2 - 2 - 2)$ $\psi(N_\omega)$ (M-like) $\psi(N_\omega)$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(3, 1, 1)(3, 1, 1)$



记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
PTO (KP + $\Pi_3$ - Ref )	$\psi(2 \text{ aft } 3)$ $\psi(\psi_{\Omega_{K+1}}(0))$ (M-like) $\psi(\Omega_{K+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(4, 1, 0)(5, 2, 0)$
Rathjen 序数 RO (Rathjen's Ordinal) (Rathjen)	$\psi(2 \text{ aft } 3)$ $\psi(\psi_{\Omega_{K+1}}(0))$ (M-like) $\psi(\Omega_{K+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(4, 1, 0)(5, 2, 0)$
美元记号 <sup>[131]</sup> Dollar Function (Wythagoras, 2013)	$\psi(2 \text{ aft } 3)$ $\psi(\psi_{\Omega_{K+1}}(0))$ (M-like) $\psi(\Omega_{K+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(4, 1, 0)(5, 2, 0)$
Rathjen's $\Xi$ 函数 <sup>[129]</sup> Rathjen's $\Xi$ (Rathjen)	$\psi(2 \text{ aft } 3)$ $\psi(\psi_{\Omega_{K+1}}(0))$ (M-like) $\psi(\Omega_{K+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(4, 1, 0)(5, 2, 0)$
弱 UN 序数折叠函数 <sup>[132]</sup> Weak UNOCF (Weak Username5243 OCF) (Username5243, 2018)	$\psi((3-)^\omega)$ $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(4, 1, 1)(5, 0, 0)$
Duchhart 序数折叠函数 <sup>[133]</sup> Duchhart's OCF (Duchhart)	$\psi(2 \text{ aft } 4)$ $\psi(\psi_{\Omega_{\Pi_4+1}}(0))$ (M-like) $\psi(\Omega_{\Pi_4+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(4, 1, 1)(5, 1, 0)(6, 2, 0)$
PTO (KP + $\Pi_4$ - Ref )	$\psi(2 \text{ aft } 4)$ $\psi(\psi_{\Omega_{\Pi_4+1}}(0))$ (M-like) $\psi(\Omega_{\Pi_4+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(4, 1, 1)(5, 1, 0)(6, 2, 0)$
Duchhart 序数 <sup>[133]</sup> DO (Duchhart's Ordinal)	$\psi(2 \text{ aft } 4)$ $\psi(\psi_{\Omega_{\Pi_4+1}}(0))$ (M-like) $\psi(\Omega_{\Pi_4+1})$ (B-like) $(0, 0, 0)(1, 1, 1)(2, 1, 1) -$ $(3, 1, 1)(4, 1, 1)(5, 1, 0)(6, 2, 0)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
扩展 I 函数 EIF (Extend I Function) (Bugit, 2023)	$\psi((3-)^{\omega})$ $(0, 0, 0)(1, 1, 1)(2, 1, 1)-$ $(3, 1, 1)(4, 1, 1)(5, 1, 1)(6, 0, 0)$
$\sup \{ \text{PTO}(\text{KP} + \Pi_n - \text{Ref}) \mid n \in \omega \}$	$\psi(\Pi_{\omega})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$
小 Stegert 序数 SSO (Small Stegert Ordinal)	$\psi(\Pi_{\omega})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$
反射数阵记号 RAN (Reflecting Array Notation) (Y_cppper)	$\psi(\Pi_{\omega})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$
2-转移 $\psi^{[134]}$ 2-shifted $\psi$ (Solar Zone)	$\psi(\Pi_{\omega})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$
初级下降数阵 <sup>[128]</sup> PDAN (Pirmary Dropping Array Notation)	$\psi(\Pi_{\omega})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$
魔塔数阵 <sup>[135]</sup> MOTAN (MOTA Notation) (Gomen, 2021)	$\psi(\Pi_{\omega})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$
M 记号 M notation (Test_alpha0, 2021)	$\psi(\Pi_{\omega})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$
C 记号 C notation (Y_cppper, 2023)	$\psi(\Pi_{\omega})$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$
PTO(stability)	$\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)$ $(3, 2, 0)(4, 1, 0)(2, 0, 0)$
大 Stegert 序数 <sup>[136]</sup> LSO (Large Stegert Ordinal) (Stegert)	$\psi(\Pi_{1,0})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)-$ $(3, 2, 0)(4, 1, 0)(2, 0, 0)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Stegert 序数折叠函数 <sup>[136]</sup> Stegert's OCF (Stegert)	$\psi(\Pi_{1,0})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0) -$ $(3, 2, 0)(4, 1, 0)(2, 0, 0)$
扩展箭头记号 EUAN (Extend Arrow Array Notation) (Y_cpp, 2020)	$\psi(\Pi_{1,0})$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0) -$ $(3, 2, 0)(4, 1, 0)(2, 0, 0)$
容许-非递归分离序数 APO (Admissible-parameter free- effective cardinal Ordinal)	$\psi(\Pi_1(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1))$ $(0, 0, 0)(1, 1, 1)(2, 2, 0) -$ $(3, 2, 0)(4, 1, 1)$
容许初等序列 Adm PrSS (Admissible PrSS) (Alpha, Destoria, 2023)	$\psi(\Pi_1(\lambda\alpha.(\Omega_{\alpha+1}) - \Pi_1))$ $(0, 0, 0)(1, 1, 1)(2, 2, 0) -$ $(3, 2, 0)(4, 1, 1)$
投影首次追平 pfec 稳定 1s time projection catches- with pfec stable	可能为 $\psi(\lambda\alpha.\Gamma(\Omega_{\alpha+1} + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 0)(3, 2, 0)(4, 2, 0)$

## B.7 Part VII

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
首个返回齿轮序数 BGO (1st Back Gear Ordinal)	$\psi(\Pi_1(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)$
扩展 M 记号 extended-M notation (Test_alpha0, 2021)	$\psi(\Pi_1(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)$
进制数阵 III ABNIII (Array Basic Notation III) (2022)	$\psi(\Pi_1(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
链接序数折叠函数 LkOCF (Linked Ordinal Collapsing Function) (74(Nonconvertible))	$\psi(\Pi_1(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)$
次阶下降数阵 <sup>[128]</sup> SDAN (Secondry Strong Array Notation) (HypCos, 2015)	$\psi(\Pi_1(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1)^\omega)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1) -$ $(2, 1, 1)(3, 2, 1)(3, 0, 0)$
K 记号 K Notation (Test_alpha0, 2021)	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(2, 2, 0)$
二阶下降 C 记号 2-Dropping C Notation (Y_cpper, 2023)	$\psi(\lambda\alpha.(\alpha + 1) - \Pi_0(\lambda\alpha.(\Omega_{\alpha+2}) - \Pi_1))$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(2, 2, 0)$
BMS4.1 首次追平 BMS4 1st time BM4.1 catches BM4	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$
小下降序数 SDO (Small Dropping Ordinal) (Username5243)	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$
扩展魔塔数阵 <sup>[137]</sup> Extend MOTAN (Gomen, 2021)	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$
强数阵 SAN(DAN) (Strong Array Notation) (HypCos, 2015)	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$
$\omega$ 记号 $\omega$ notation (Test_alpha0, 2021)	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$
R 函数 <sup>[128]</sup> R function (HypCos, 2014)	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$
Taranovsky 序数记号 <sup>[138]</sup> TON(main) (Taranovsky's Ordinal Notation) (Taranovsky, 2015)	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
长初等序列 $\psi$ LPrSS $\psi$ (Long Primary Sequence System $\psi$ )	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$
Tar 函数 <sup>[139]</sup> n-intar c's (Taranovsky Function)	$\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0) + 1$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)(0, 0, 0)$
S 记号 S Notation (Test_alpha0, 2021)	$\psi(\lambda\alpha.\Omega_{\alpha+\omega+1} - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)$ $-(3, 0, 0)(2, 2, 1)$
大下降序数 LDO (Large Dropping Ordinal) (Username5243)	$\psi(\lambda\alpha.\Phi(1, \alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 2, 0)$
多逗号系统 MCS (Multiple Comma System) (74(Nonconvertable))	$\psi(\lambda\alpha.\Phi(1, \alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 2, 0)$
大型 X 系统 LXN (Large X Notation) (Test_alpha0)	$\psi(\lambda\alpha.\Phi(1, \alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 2, 0)$
嵌套下降数阵 <sup>[128]</sup> NDAN (Nested Down Arrow Notation) (HypCos, 2017)	$\psi(\lambda\alpha.\Phi(1, \alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 2, 0)$
UN 序数折叠函数 <sup>[132]</sup> UNOCF (Username5243's- Ordinal Collapsing Function) (Username5243, 2018)	$\psi(\lambda\alpha.\Phi(1, \alpha + 1) - \Pi_0)$ $(0)(1, 1, 1)(2, 2, 1)(3, 2, 0)$
弱下降子扩张数阵 <sup>[128]</sup> WDEN (Weak Dropping- Exrtended Notation) (HypCos, 2017)	$\psi(\lambda\alpha.\Phi(1, \alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 2, 0)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
多重弱下降子扩张数阵 <sup>[128]</sup> MW DEN (Multy Weak Dropping- Exrtended Notation) (HypCos, 2017)	$\psi(\lambda\alpha.\Phi(1, \alpha + 1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 2, 0)$
双重 +1 稳定序数 DSO (Doubly +1 stable)	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 3, 0)$
E 记号 E Notation (Y_cppper, 2023)	$\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 3, 0)$
三重 +1 稳定序数 TSO (Triply +1 stable)	$\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 1) -$ $(3, 3, 1)(4, 4, 0)$
反射度 DOR (Degrees of Reflection) (Taranovsky, 2015)	$\leq \psi(\omega - \pi - \Pi_0)$ $\leq (0, 0, 0)(1, 1, 1)(2, 2, 2)$
IBMS 首次追平 BMS 1st time IBMs catches BMs	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$
赝大 Rathjen 序数 pLRO (pseudo Large Rathjen's Ordinal)	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$
弱提升型差序数函数 weak DLON (weak $\delta$ -Lifted $\delta$ ON) (Aarex)	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$
提升型 M 记号 LMN (Lifting M-Notation) (Test_alpha0, 2021)	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$
提升型 $\omega$ 记号 WMN (Lifting $\omega$ -Notation)	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$
Lumi 提升型双行序列系统 Lumi's LPSS (Lumi)	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
递增元序列 <sup>[101-103]</sup> IUN (Increase Unit Notation) (318'4, 2023)	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$
急 Hydra 序列 Sudden Hydra (Bashicu, 2018)	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$
2-投影记号 2-Projection (Test_alpha0, 2020)	$\psi(\omega - \pi - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2)$
追平函数 <sup>[140]</sup> Catching Function (HypCos, 2014)	$\psi(\omega - \pi - \Pi_0)$ $(0)(1, 1, 1)(2, 2, 2)$
pfec $\Sigma_1$ 分离 pfec $\Sigma_1$ -Separation	$(0, 0, 0)(1, 1, 1)(2, 2, 2) -$ $(3, 2, 1)(4, 3, 2)$
pfec $\Sigma_1$ 稳定 pfec $\Sigma_1$ -Stb (pfec $\Sigma_1$ -Stable) (76(Nonconvertible))	$\psi((\omega + 1) - \pi - (+1) - \Pi_0)$ $(0, 0, 0)(1, 1, 1)(2, 2, 2) -$ $(3, 2, 2)(4, 2, 0)(3, 0, 0)$
Rathjen 序数折叠函数 <sup>[141]</sup> Rathjen's OCF (Rathjen, 1991)	$(0, 0, 0)(1, 1, 1)(2, 2, 2) -$ $(3, 2, 2)(4, 2, 0)(3, 0, 0)$
超级急序列 Ultra SSS (Ultra Sudden Sequence System)	$(0, 0, 0)(1, 1, 1)(2, 2, 2) -$ $(3, 2, 2)(4, 2, 0)(3, 0, 0)$
超强 Aarex 数阵 3+ <sup>[142]</sup> aSAN3+ (Aarex's Super Strong Array Notation) (Aarex)	约 $(0, 0, 0)(1, 1, 1)(2, 2, 2) -$ $(3, 2, 2)(4, 2, 2)(4, 0, 0)$
方括号稳定 Bracket Stable (HypCos, 2014)	约 $(0, 0, 0)(1, 1, 1)(2, 2, 2) -$ $(3, 2, 2)(4, 2, 2)(4, 2, 0)(3, 0, 0)$
提升型 K 记号 LKN (Lifting K-Notation) (Test_alpha0, 2020)	$(0, 0, 0)(1, 1, 1)(2, 2, 2)(3, 3, 0)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
初级下降算符下降数阵 <sup>[128]</sup> pDDN (primary Dropper Dropping Notation) (HypCos, 2017)	$(0, 0, 0)(1, 1, 1)(2, 2, 2)(3, 3, 0)$
3-投影记号 3-Projection (Test_alpha0, 2020)	$(0, 0, 0)(1, 1, 1)(2, 2, 2)(3, 3, 3)$

## B.8 Part VIII

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
PTO $((\Pi_2^1 - \text{CA})_0)$	可能 $\leq (0, 0, 0, 0)(1, 1, 1, 1)$
$\Sigma_1$ 稳定 (至 $\omega.\pi$ ) $\Sigma_1$ stb. (up to $\omega.\pi$ )	可能 $\leq (0, 0, 0, 0)(1, 1, 1, 1)$
三行矩阵系统序数 TSSO (Trio Sequence System Ordinal)	$(0, 0, 0, 0)(1, 1, 1, 1)$
简单投影 Simple Projection (Test_alpha0, 2020)	$(0, 0, 0, 0)(1, 1, 1, 1)$
锁定 OCF Locked OCF (Bugit)	$(0, 0, 0, 0)(1, 1, 1, 1)$
三行矩阵系统 <sup>[115]</sup> TSS (Trio Sequence System) (Bashicu, 2014)	$(0, 0, 0, 0)(1, 1, 1, 1)$
嵌套函数 nestf (NEST-Function) (2020)	$(0, 0, 0, 0)(1, 1, 1, 1)$
超初等序列 $\psi$ HPrSS $\psi$ (Hyper Primaritive- Sequence System psi)	$(0, 0, 0, 0)(1, 1, 1, 1)$



记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
PTO ( $\Pi^1_2 - \text{CA} + \text{BI}$ )	可能 $\geq (0, 0, 0, 0)(1, 1, 1, 1) - (2, 1, 1, 0)(3, 2, 2, 0)$
$\Sigma_1$ 分离 $\Sigma_1$ separation	可能 $\geq (0, 0, 0, 0)(1, 1, 1, 1) - (2, 1, 1, 0)(3, 2, 2, 0)$
大常规投影序数 LSPO (Large Simple Projection Ordinal)	$(0, 0, 0, 0)(1, 1, 1, 1) - (2, 1, 1, 1)(3, 1, 0, 0)(2, 0, 0, 0)$
弱 MCS 投影 Weak MCS Projection (Test_alpha0, 2021)	$(0, 0, 0, 0)(1, 1, 1, 1) - (2, 1, 1, 1)(3, 1, 1, 1)(4, 0, 0, 0)$
+n 超越序数 +nTO ((+n)-Transcendental ordinal)	$(0, 0, 0, 0)(1, 1, 1, 1) - (2, 2, 1, 1)(3, 0, 0, 0)$
小超投影记号 SHPN (Small Hyper Projection Notation)	$(0, 0, 0, 0)(1, 1, 1, 1) - (2, 2, 1, 1)(3, 0, 0, 0)$
非递归 TON <sup>[143]</sup> Non-recursive TON (Non-recursive Taranovsky's Ordinal Notation)	$(0, 0, 0, 0)(1, 1, 1, 1) - (2, 2, 1, 1)(3, 0, 0, 0)$
Eveog 序数 EGO (Eveog's Ordinal) (Eveog, 2023)	$(0, 0, 0, 0)(1, 1, 1, 1) - (2, 2, 1, 1)(3, 0, 0, 0)$
Aarex 强 exUNOCF Aarex's Strong exUNOCF (Aarex)	$(0, 0, 0, 0)(1, 1, 1, 1)(2, 2, 2, 0)$
四行矩阵系统- 首个返回齿轮序数 Q1BGO (Quadro Sequence System 1st Back Gear Ordinal)	$(0, 0, 0, 0)(1, 1, 1, 1)(2, 2, 2, 0)$
Trange Ink 的 ExUNOCF Trange Ink's ExUNOCF (Trange Ink, 2023)	$(0, 0, 0, 0)(1, 1, 1, 1)(2, 2, 2, 1)$
弱 $\alpha$ 序数记号 weak $\alpha$ ON (weak alpha Ordinal Notation) (Bugit, 2023)	可能为 $(0, 0, 0, 0)(1, 1, 1, 1)(2, 2, 2, 1) - (2, 1, 1, 1)(3, 2, 2, 1)(3, 0, 0, 0)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
强提升型差序数函数 <sup>[144]</sup> Strong DLON (Strong $\delta$ -Lifted $\delta$ ON) (Aarex)	可能为 $(0, 0, 0, 0)(1, 1, 1, 1) -$ $(2, 2, 2, 1)(3, 0, 0, 0)$
大 $\Omega$ 返回序数 BOBO (Big Omega Back Ordinal)	$(0, 0, 0, 0)(1, 1, 1, 1)(2, 2, 2, 2)$
四行矩阵系统 <sup>[115]</sup> QSS (Quadro Sequence System) (Bashicu, 2018)	$(0, 0, 0, 0, 0)(1, 1, 1, 1, 1)$
四行矩阵系统序数 QSSO (Quadro Sequence System Ordinal)	$(0, 0, 0, 0, 0)(1, 1, 1, 1, 1)$
$\Sigma_2$ 稳定 $\Sigma_2$ Stablilty (Yto, 2021)	$\geq (0, 0, 0, 0, 0)(1, 1, 1, 1, 1)$
三重内涵公理序数 TCAO (Trio Comprehension Axiom Ordinal)	$\geq (0, 0, 0, 0, 0)(1, 1, 1, 1, 1)$

## B.9 Part IX

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
理想 BMS <sup>[115]</sup> IBMS(BM3.3) (Idealized Bashicu Martix System) (Bashicu, 2017)	可能为 $Y(1, 3)$
小 Hydra 序数 SHO (Small Hydra Ordinal)	$Y(1, 3)$
扩展 Hydra Ex-Hydra (Extended Hydra)	$Y(1, 3)$ (Gomen, 2021)

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
0 – Y 序列 <sup>[145]</sup> 0 – Y Sequence (Yukito, 2020)	$Y(1, 3)$
Bashicu 矩阵系统 <sup>[115]</sup> BMS (Bashicu Matrix System)	$Y(1, 3)$ (Bashicu, 2014)
Carne 矩阵系统 CMS (Carne Matrix System) (Test_alpha0)	$Y(1, 3)$
级层递增元序列 <sup>[101-103]</sup> HIUN (Hierarchial Increase Unit Notation) (318'4, 2023)	$Y(1, 3)$
0-基本序数序列 <sup>[146]</sup> 0-FOS (0-Fundamental Ordinal Sequence)	$Y(1, 3)$
强 (n,0) 投影 Strong(n,0)-projection	$Y(1, 3)$
弱强 OCF Weak Strong OCF	$Y(1, 3)$
急 BMS <sup>[147]</sup> BSM (Bashicu Sudden Matrix) (Bashicu, 2018)	可能为 $Y(1, 3)$
超 BMS <sup>[147]</sup> BHM (Bashicu Hyper Matrix) (Bashicu, 2018)	可能为 $Y(1, 3)$
相似模式 <sup>[148]</sup> PoR (Patterns of Resemblance) (Clarson, 2001)	$\geq Y(1, 3)$
Arai 序数折叠函数 <sup>[149]</sup> AOCF (Arai's Ordinal Collapsing Function) (Arai, 2023)	$\geq Y(1, 3)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
$\Sigma_n$ 稳定 $\Sigma_n$ -Stb ( $\Sigma_n$ Stability)	$\geq Y(1, 3)$
二阶宇宙序数 $\beta O$ Beta Universe Ordinal	$\geq Y(1, 3)$
PTO( $Z_2$ )	$\geq Y(1, 3)$
疯狂 Hydra CHN (Crazy Hydra Notation)	$Y(1, 3, 4)$ (Gomen, 2021)
K 原始序列 KPrSS (摆烂的小猫, 2023)	$Y(1, 3, 4, 2, 5, 8, 10)$
超限 BMS <sup>[150]</sup> TBMS (Transfinite Bashicu Matrix System) (Bubby3)	$Y(1, 3, 4, 2, 5, 8, 10)$
$\Omega$ 行矩阵系统序数 $\Omega SSO$ ( $\Omega$ Sequence System Ordinal)	$Y(1, 3, 4, 2, 5, 8, 10)$
TBMS 首次追平 OCF 1st time TBMS catches OCF	$Y(1, 3, 4, 2, 5, 8, 10, -$ $4, 9, 14, 17, 10)$
不可数 TBMS Uncountable TBMS	$Y(1, 3, 4, 2, 5, 8, 10, 6)$
无降格 Keidonxi 多项式序列 <sup>[151-152]</sup> KPnD Keidonxi's Polynomial Sequence with no debasing (318'4, 2023)	可能为 $Y(1, 3, 4, 2, 5, 8, 10, 14)$
弱溅射 TBMS Weak Splatium TBMS (Bubby3)	可能为 $Y(1, 3, 4, 2, 5, 8, 10, 14)$
Hassium TBMS <sup>[151-152]</sup> Hassium's TBMS (Hassium, 2020)	$Y(1, 3, 4, 2, 5, 8, 11)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Keidonxi 对角化多项式序列 KDP (Keidonxi's Diagonalized Polynomial Sequence) (318'4, 2023)	$Y(1, 3, 4, 2, 5, 8, 11)$
不可升级 TBMS Upgradeless TBMS	可能为 $Y(1, 3, 4, 2, 5, 9)$
禁戒 Hydra 序数 GHO No-go Hydra Ordinal (Asheep, 2023)	$Y(1, 3, 4, 3)$
普通 Bubby3 TBMS <sup>[150]</sup> Bubby3 TBMS Normal (Bubby3, 2018)	$Y(1, 3, 4, 6)$
推广 Bubby3 TBMS <sup>[150]</sup> Bubby3 TBMS Extended (Bubby3, 2018)	$Y(1, 3, 5)$
循环不动点 LFP (Loop Fixed Point) (4574)	可能为 $Y(1, 3, 6)$
无 $(1, 3, 4, 2, 5, 7, 5)$ 升级的 Y 序列首次追平 1-Y Y w/o $(1, 3, 4, 2, 5, 7, 5)$ upgrading catches 1-Y	可能为 $Y(1, 3, 7)$
IY 首次追平 1-Y 追平强 Y 1st time IY catches 1-Y catches strong Y	可能为 $Y(1, 3, 8)$
$\omega + 1$ 行 Y $\omega + 1$ row Y	$Y(1, 3, 9)$
Discord 猜想的 fffz discord's sus fffz	$Y(1, 3, 9)$
虚拟 Hydra 函数 VHF Virtual Hydra Function (FataliS1024, 2023)	可能为 $Y(1, 4)$
VZ 序列 VZ Sequence	$\leq Y(1, \omega)$

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Y 序列 <sup>[145]</sup> Y Sequence (Yukito, 2020)	$Y(1, \omega)$
小 Y 序列序数 SYO (Small Y Sequence Ordinal) (Yukito)	$Y(1, \omega)$
强 Y 序列 <sup>[145]</sup> Strong Magma Y Sequence	$\geq Y(1, \omega)$
2 – Y 序列 2 – Y Sequence (Gomen, 2023)	$\omega - Y(1, 5)$
$\omega - Y$ 序列 <sup>[153]</sup> $\omega - Y$ Sequence (Yukito, 2020)	$\omega - Y(1, \omega)$
多维 BMS DBMS (Dimensional Bashicu Martix System) (2021)	$\omega - Y(1, \omega)$
中等 Hydra 序数 MHO (Medium Hydra Ordinal) (FataliS1024, 2023)	$\omega - Y(1, \omega)$

B.10 Part X

本部分记号尚未完善，排名不分先后。

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
超限 DBMS TDBMS (Transfinty Dimensional Bashicu Matrix System) (Y_cppper, 2023)	理想极限 可能在此

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Y 矩阵 YMS (Yukito Matrix System) (ProjectCF, 2023)	理想极限 可能在此
Crater BMS 矩阵 CTBMS (Crater Bashicu Matrix System)	理想极限 可能在此
Yto Y – Y 序列 Yto’s Y – Y (Yto)	理想极限 可能在此
山脉记号系列 MN (Mountain Notation) (HypCos, 2024)	理想极限 可能在此
X – Y 序列 <sup>[154]</sup> X – Y Sequence (Gomen, 2023)	理想极限 可能在此
变异矩阵系统 <sup>[155]</sup> MM3 (Mutant Martix System) (HypCos, 2024)	理想极限 可能在此
$\Omega$ – Y 序列 $\Omega$ – Y sequence (未理想)	理想极限 可能在此
剩余 Y 序列 RY (Remaining Y Sequence) (未理想)	理想极限 可能在此
基本序数序列 <sup>[146,156-157]</sup> FOS (Fundamental Ordinal Sequence) (318’4, 2024) (未理想)	理想极限 可能在此
伪伪伪 z (兼容系统) fffz (Fake Fake Fake Zeta) (夏夜星空, 2024) (未理想)	理想极限 可能在此

## B.11 Part XI

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
PTO $((\Pi_1^2 - \text{CA})_0)$	
PTO( $\text{Z}_3$ )	
Loader 数 <sup>[158]</sup> Loader's Number (Loader, 2001)	上界为 PTO( $\text{Z}_\infty$ )
PTO( $\text{Z}_\infty$ )	
PTO( $\text{KP} + \text{P}$ )	
PTO(ZFC)	
PTO(ZFC + $n$ 不可达基数) PTO(ZFC + $n$ -Inaccessible cardinal)	
PTO(ZFC + $\Sigma_\omega$ 反射) PTO(ZFC + $\Sigma_\omega$ Reflecting)	
PTO(ZFC + 强 $x$ Mahlo 基数) PTO(ZFC + strongly $x$ -Mahlo cardinal)	
有限承诺游戏 <sup>[159]</sup> (Finite polynomial copy/invert games, FPCI) (Friedman)	上界为 PTO(ZFC + strongly $x$ -Mahlo cardinal)
PTO(ZFC + $\Pi_2^1$ -不可描述基数) PTO(ZFC + $\Pi_2^1$ -Indescribable)	
PTO(ZFC + 完全不可描述基数) PTO(ZFC + Totally-Indescribable)	
Friedman 有限树函数 <sup>[160]</sup> Friedman Finite Tree (Friedman)	PTO(ZFC + $n$ - subtle cardinal) 上界为 (Friedman)
PTO(ZFC + $n$ 微妙基数) PTO(ZFC + $n$ -subtle cardinal)	
PTO(ZFC + $0^\sharp$ )	
PTO(ZFC + $\omega_1$ -Erdős)	
PTO(ZFC + SRP)	



记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
贪心团序列 <sup>[161]</sup> USGDCS (Upper Shift Greedy Down Clique Sequence) (Friedman)	PTO(ZFC+SRP)
PTO(ZFC + 可测基数) PTO(ZFC+Measurable cardinal)	
PTO( $\mathbb{Z}_2$ + PD)	
PTO(ZF + ADR)	
PTO(ZFC + 超强基数) PTO(ZFC + Superstrong cardinal)	
PTO(ZFC + 超紧基数) PTO(ZFC + Supercompact cardinal)	
PTO(ZFC + 巨大基数 + ) PTO(ZFC + HUGE + )	
贪心团序列 2 <sup>[161]</sup> USGDCS2 (Upper Shift Greedy Down Clique Sequence2)	上界为 PTO(ZFC + HUGE + )
Laver Table <sup>[162]</sup> (Laver)	上界为 PTO(ZFC+I3)
PTO(ZFC + I3)	
PTO(ZFC + I2)	
PTO(ZFC + I1)	
Laver Table Yarn <sup>[163]</sup> (test_alpha0,2023)	上界为 PTO(ZFC + I1)
PTO(ZFC + I0)	

## B.12 Part XII

记号名称 (中文名称/英文缩写/英文全称/ 提出者/提出时间)	极限
Church-Kleene 序数 <sup>[164]</sup> CKO (Church-Kleene Ordinal)	$\omega_1^{\text{CK}}$
忙碌海狸函数 <sup>[165]</sup> BB (Busy Beaver) (Rado, 1962)	$\omega_1^{\text{CK}}$
调用次数 ToC (Times of Calls) (74(Nonconvertable), 2023)	$(\omega_1^{\text{CK}})^2$
n 阶忙碌海狸函数 <sup>[165]</sup> Level-n BB (Level-n Busy Beaver) (Kleene)	$\omega_n^{\text{CK}}$
$\Xi$ 函数 <sup>[166]</sup> $\Xi$ Function	$\varphi(1, 0)^{\text{CK}}$
Aarex 函数 <sup>[167]</sup> Aarex's Function (Aarex)	$\varphi(1, 0)^{\text{CK}} + \psi(\Omega_\omega) \cdot \omega$
无限时间 Turing 机 <sup>[168]</sup> ITTM (Infinite Time Turing Machine) (Hamkins, Lewis, 1998)	$\lambda$
Rayo 函数 <sup>[169]</sup> Rayo's Function (Rayo, 2007) (可能未理想)	理想极限 可能在此
大数花园数 <sup>[170]</sup> LNG Large Number Garden Number (P 進大好き bot, 2019) (可能未理想)	理想极限 可能在此
Davinci 数 <sup>[171]</sup> Davinci103's Number (Davinci103, 2024) (可能未理想)	理想极限 可能在此

# 附录 C 可数非递归序数表

本节内容引自<sup>[172]</sup>。本表更新至 2024 年。

## C.1 反射序数

反射序数
$\omega_1^{\text{CK}} = \Omega$
$\Omega_2$
$\Omega_\omega$
$\Omega_{\omega+1}$
$\Omega_{\omega \cdot 2}$
$\Omega_{\varepsilon_0}$
$\Omega_{Y(1,3)}$
$\Omega_\Omega$
$\Omega_{\Omega_2}$
$\Omega_{\Omega_\omega}$
$\Omega_{\Omega_\Omega}$
$\Phi(1, 0) = \Omega_{\Omega \dots}$
$\Phi(1, 1)$
$\Phi(1, \omega)$
$\Phi(1, \Omega)$
$\Phi(1, \Phi(1, 0))$
$\Phi(2, 0)$
$\Phi(3, 0)$

反射序数
$\Phi(\omega, 0)$
$\Phi(\Omega, 0)$
$\Phi(\Phi(1, 0), 0)$
$\Phi(1, 0, 0)$
$\Phi(1, 0, 1)$
$\Phi(1, 1, 0)$
$\Phi(2, 0, 0)$
$\Phi(1, 0, 0, 0)$
$\Phi(1, 0, 0, 0, 0)$
$\Phi(1@ \omega)$
$\Phi(1@ \Omega)$
$\Phi(1@ \Phi(1, 0))$
$\Phi(1@ (1, 0))$
$\Phi(1@ (1@ (1, 0)))$
$I$
$\Omega_{I+1}$
$\Omega_{\Omega_{I+1}}$
$\Phi(1, I + 1)$
$\Phi(1, 0, I + 1)$
$\Phi(1@ (I + 1))$
$\Phi(1@ (1@ (I + 1)))$
$I_2$
$\Omega_{I_2+1}$
$\Phi(1, I_2 + 1)$
$I_2$
$\Omega_{I_2+1}$

反射序数
$\Phi(1, I_2 + 1)$
$I_3$
$I_4$
$I_\omega$
$I_\Omega$
$I_{\Phi(1,0)}$
$I_I$
$I_{I_2}$
$I_{I_\omega}$
$I_{I_I}$
$I_{I_{I_I}}$
$I - \varphi(1, 0)$
$I - \varphi(2, 0)$
$I - \varphi(\omega, 0)$
$I - \varphi(1, 0, 0)$
$I - \varphi(1 @ \omega)$
$I - \varphi(1 @ (1, 0))$
$I(1, 0)$
$\Omega_{I(1,0)+1}$
$\Phi(1, I(1, 0) + 1)$
$I_{I(1,0)+1}$
$I - \varphi(1, I(1, 0) + 1)$
$I - \varphi(1, 0, I(1, 0) + 1)$
$I - \varphi(1 @ (I(1, 0) + 1))$
$I(1, 1)$
$I(1, 2)$

反射序数
$I(1, \omega)$
$I(1, \Omega)$
$I(1, I)$
$I(1, I(1, 0))$
$I(1, 0) - \varphi(1, 0)$
$I(1, 0) - \varphi(1, 0, 0)$
$I(1, 0) - \varphi(1 @ \omega)$
$I(1, 0) - \varphi(1 @ (1, 0))$
$I(2, 0)$
$I(2, 1)$
$I(3, 0)$
$I(\omega, 0)$
$I(\Omega, 0)$
$I(I, 0)$
$I(1, 0, 0)$
$I(1, 0, 0, 0)$
$I(1 @ \omega)$
$I(1 @ \Omega)$
$I(1 @ I)$
$I(1 @ I(1, 0))$
$I(1 @ (1, 0))$
$M$
$\Omega_{M+1}$
$I_{M+1}$
$I(1, M + 1)$
$I(1 @ (M + 1))$

反射序数
$I(1@ (1@ (M + 1)))$
$M_2$
$M_3$
$M_\omega$
$M_\Omega$
$M_I$
$M_M$
$M_{M_M}$
$M - \varphi(1, 0)$
$M - \varphi(1, 0, 0)$
$M - \varphi(1@ \omega)$
$M - \varphi(1@ (1, 0))$
$M - I(1, 0)$
$M - I(1, 0, 0)$
$M - I(1@ \omega)$
$M - I(1@ (1, 0))$
$M(1, 0)$
$\Omega_{M(1,0)+1}$
$I_{M(1,0)+1}$
$M_{M(1,0)+1}$
$M - \varphi(1, M(1, 0) + 1)$
$M - I(1, M(1, 0) + 1)$
$M(1, 1)$
$M(1, 2)$
$M(1, \omega)$
$M(1, M)$

反射序数
$M(1, 0) - \varphi(1, 0)$
$M(1, 0) - I(1, 0)$
$M(2, 0)$
$M(2, 1)$
$M(3, 0)$
$M(\omega, 0)$
$M(1, 0, 0)$
$M(1, 0, 0, 0)$
$M(1 @ \omega)$
$M(1 @ M)$
$M(1 @ M(1, 0))$
$M(1 @ (1, 0))$
$M(1 @ (1 @ (1, 0)))$
$N = (1 \text{ st}) \ 2 - 2 - 2$
$N_2 = 2 \text{ nd } 2 - 2 - 2$
$1 - (2 - 2 - 2)$
$1 - 1 - (2 - 2 - 2)$
$(1-)^{(2)} \ 2 - 2 - 2$
$(1-)^{(2 \ 1-2)} \ 2 - 2 - 2$
$(1-)^{(2-2)} \ 2 - 2 - 2$
$(1-)^{(2-2-2)} \ 2 - 2 - 2$
$(1-)^{1,0} \ 2 - 2 - 2$
$(1-)^{1,0,0} \ 2 - 2 - 2$
$2 \ 1 - 2 - 2 - 2$
$(1-)^{1,0} \ 2 \ 1 - 2 - 2 - 2$
$2 \ 1 - (2 \ 1 - 2 - 2 - 2)$



反射序数
$(2\ 1-)^{\omega}\ 2-2-2$
$(2\ 1-)^{1,0}\ 2-2-2$
$2-2\ 1-2-2-2$
$1-(2-2\ 1-2-2-2)$
$(1-)^{1,0}\ 1-(2-2\ 1-2-2-2)$
$2\ 1-(2-2\ 1-2-2-2)$
$(2\ 1-)^{1,0}\ 2-2\ 1-2-2-2$
$2-2\ 1-(2-2\ 1-2-2-2)$
$(2-2\ 1-)^{\omega}\ 2-2-2$
$(2-2\ 1-)^{1,0}\ 2-2-2$
$2-2-2\ 1-2-2-2$
$1-(2-2-2\ 1-2-2-2)$
$2\ 1-(2-2-2\ 1-2-2-2)$
$2-2\ 1-(2-2-2\ 1-2-2-2)$
$2-2-2\ 1-(2-2-2\ 1-2-2-2)$
$(2-2-2\ 1-)^{\omega}$
$(2-2-2\ 1-)^{1,0}$
$2-2-2-2=(2-)^4$
$(2-)^5$
$(2-)^6$
psd. $(2-)^{\omega}$
$(2-)^{\omega}$
$(2-)^{\omega+1}$
$(2-)^{(2)}$
$(2-)^{(2\ 1-2)}$
$(2-)^{(2-2)}$

反射序数
$(2-)^{(2-2-2)}$
$(2-)^{(2-)^{\omega}}$
$(2-)^{1,0}$
$(2-)^{1,0,0}$
$(2-)^{1@{\omega}}$
$(2-)^{1@{(1,0)}}$
$K = (1 \text{ st } )\Pi_3 - \text{ reflection}$
$K_2$
$K_3$
$K_{\omega} = 1 - 3$
$(1-)^{1,0} 3$
$2 \ 1 - 3$
$2 - 2 \ 1 - 3$
$2 - 2 - 2 \ 1 - 3$
$(2-)^{\omega} 1 - 3$
$(2-)^{1,0} 1 - 3$
$3 \ 1 - 3$
$2 \ 1 - (3 \ 1 - 3)$
$2 - 2 \ 1 - (3 \ 1 - 3)$
$2 - 2 - 2 \ 1 - (3 \ 1 - 3)$
$(2-)^{\omega} 1 - (3 \ 1 - 3)$
$(2-)^{1,0} 1 - (3 \ 1 - 3)$
$3 \ 1 - (3 \ 1 - 3)$
$(3 \ 1-)^3$
$(3 \ 1-)^{\omega}$
$(3 \ 1-)^{1,0}$

反射序数
$(3\ 1-)^{1@{\omega}}$
$(3\ 1-)^{1@{(1,0)}}$
$2-3$
$2\ 1-2-3$
$2-2\ 1-2-3$
$(2-)^{\omega}\ 1-2-3$
$(2-)^{1,0}\ 1-2-3$
$3\ 1-2-3$
$(3\ 1-)^2\ 2-3$
$(3\ 1-)^3\ 2-3$
$(3\ 1-)^{\omega}\ 2-3$
$(3\ 1-)^{1,0}\ 2-3$
$(2-3)\ 1-2-3$
$2\ 1-((2-3)\ 1-2-3)$
$3\ 1-((2-3)\ 1-2-3)$
$3\ 1-(3\ 1-((2-3)\ 1-2-3))$
$(3\ 1-)^{\omega}((2-3)\ 1-2-3)$
$(3\ 1-)^{1,0}((2-3)\ 1-2-3)$
$(2-3\ 1-)^3$
$(2-3\ 1-)^4$
$(2-3\ 1-)^{\omega}$
$(2-3\ 1-)^{1,0}$
$2-2-3$
$2\ 1-2-2-3$
$3\ 1-2-2-3$
$(2-3)\ 1-2-2-3$

反射序数
$(2 - 2 - 3) 1 - 2 - 2 - 3$
$(2 - 2 - 3 1 -)^{\omega}$
$(2 - 2 - 3 1 -)^{1,0}$
$2 - 2 - 2 - 3$
$(2 -)^4 3$
$(2 -)^{\omega} 3$
$(2 -)^{1,0} 3$
$3 2 - 3$
$2 1 - (3 2 - 3)$
$3 1 - (3 2 - 3)$
$(2 - 3) 1 - (3 2 - 3)$
$(2 - 2 - 3) 1 - (3 2 - 3)$
$((2 -)^{\omega} 3) 1 - (3 2 - 3)$
$((2 -)^{1,0} 3) 1 - (3 2 - 3)$
$(3 2 - 3) 1 - (3 2 - 3)$
$(3 2 - 3 1 -)^3$
$(3 2 - 3 1 -)^{\omega}$
$(3 2 - 3 1 -)^{1,0}$
$2 - (3 2 - 3)$
$(2 - (3 2 - 3) 1 -)^2$
$(2 - (3 2 - 3) 1 -)^3$
$(2 - (3 2 - 3) 1 -)^{\omega}$
$(2 - (3 2 - 3) 1 -)^{1,0}$
$2 - 2 - (3 2 - 3)$
$2 - 2 - 2 - (3 2 - 3)$
$(2 -)^{\omega} (3 2 - 3)$

反射序数
$(2-)^{1,0} (3\ 2-3)$
$3\ 2-(3\ 2-3)$
$(3\ 2-)^3$
$(3\ 2-)^4$
$(3\ 2-)^{\omega}$
$(3\ 2-)^{1,0}$
$3-3$
$2\ 1-3-3$
$3\ 1-3-3$
$2-3\ 1-3-3$
$(3\ 2-3)\ 1-3-3$
$((32-)^{\omega})\ 1-3-3$
$((32-)^{1,0})\ 1-3-3$
$3-3\ 1-3-3$
$(3-3\ 1-)^3$
$(3-3\ 1-)^{\omega}$
$(3-3\ 1-)^{1,0}$
$2-3-3$
$2-2-3-3$
$(2-)^{\omega}\ 3-3$
$(2-)^{1,0}\ 3-3$
$3\ 2-3-3$
$(3\ 2-)^2\ 3-3$
$(3\ 2-)^{\omega}\ 3-3$
$(3\ 2-)^{1,0}\ 3-3$
$3-3\ 2-3-3$

反射序数
$(3 - 3 \ 2 -)^3$
$(3 - 3 \ 2 -)^\omega$
$(3 - 3 \ 2 -)^{1,0}$
$3 - 3 - 3$
$3 - 3 - 3 - 3$
$(3 -)^5$
$(3 -)^\omega$
$(3 -)^{1,0}$
$(3 -)^{1 @ \omega}$
$(3 -)^{1 @ (1,0)}$
$(3 -)^{1 @ (1 @ (1,0))}$
$\kappa = \Pi_4 - \text{reflection}$
$\Pi_5$
$\Pi_6$

## C.2 p.f.e.c. $\Sigma_1$ 稳定序数

p.f.e.c. $\Sigma_1$ 稳定序数
psd. $\Pi_\omega = \lambda\alpha.(\alpha + 1) - \Pi_0$
$\Pi_\omega = \lambda\alpha.(\alpha + 1) - \Pi_1$
$\Pi_{\omega+1_{\text{idealized}}} = \lambda\alpha.(\alpha + 1) - \Pi_2$
$\Pi_{\omega \cdot 2} = \lambda\alpha.(\alpha + 2) - \Pi_1$
$\Pi_{\omega^2} = \lambda\alpha.(\alpha + \omega) - \Pi_1$
$\Pi_\Omega = \lambda\alpha.(\alpha + \Omega) - \Pi_1$
$\Pi_I = \lambda\alpha.(\alpha + I) - \Pi_1$
$\Pi_M = \lambda\alpha.(\alpha + M) - \Pi_1$
$\Pi_K = \lambda\alpha.(\alpha + K) - \Pi_1$

p.f.e.c. $\Sigma_1$ 稳定序数
$\Pi_{\Pi_\omega} = \lambda\alpha. (\alpha + \Pi_\omega) - \Pi_1 = \lambda\alpha. (\alpha + \lambda\alpha. (\alpha + 1) - \Pi_1) - \Pi_1$
$\Pi_{1,0} = \lambda\alpha. (\alpha \cdot 2) - \Pi_1$
$\lambda\alpha. (\alpha \cdot 3) - \Pi_1$
$\lambda\alpha. (\alpha \cdot \omega) - \Pi_1$
$\lambda\alpha. (\alpha \cdot \Omega) - \Pi_1$
$\lambda\alpha. (\alpha \cdot \lambda\alpha. (\alpha + 1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\alpha^2) - \Pi_1$
$\lambda\alpha. (\alpha^3) - \Pi_1$
$\lambda\alpha. (\alpha^\omega) - \Pi_1$
$\lambda\alpha. (\alpha^\alpha) - \Pi_1$
$\lambda\alpha. (\alpha^{\alpha^\alpha}) - \Pi_1$
$\lambda\alpha. (\varepsilon_{\alpha+1}) - \Pi_1$
$\lambda\alpha. (\zeta_{\alpha+1}) - \Pi_1$
$\lambda\alpha. (\varphi(\omega, \alpha + 1)) - \Pi_1$
$\lambda\alpha. (\text{BHO}[\alpha + 1]) - \Pi_1$
$\lambda\alpha. (\text{BO}[\alpha + 1]) - \Pi_1$
$\lambda\alpha. (\text{SHO}[\alpha + 1]) - \Pi_1$
$\lambda\alpha. (\text{PTO}(\text{ZFC})[\alpha + 1]) - \Pi_1$
$\lambda\alpha. (\Omega_{\alpha+1}) - \Pi_1 = \text{Non - Gandy}$
$\lambda\alpha. (\Omega_{\alpha+1} + 1) - \Pi_1$
$\lambda\alpha. (\Omega_{\alpha+1} + \alpha) - \Pi_1$
$\lambda\alpha. (\Omega_{\alpha+1} \cdot 2) - \Pi_1$
$\lambda\alpha. (\Omega_{\alpha+1} \cdot \omega) - \Pi_1$
$\lambda\alpha. (\Omega_{\alpha+1} \cdot \alpha) - \Pi_1$
$\lambda\alpha. (\Omega_{\alpha+1}^2) - \Pi_1$
$\lambda\alpha. (\Omega_{\alpha+1}^\omega) - \Pi_1$

p.f.e.c. $\Sigma_1$ 稳定序数
$\lambda\alpha. \left( \Omega_{\alpha+1}^{\Omega_{\alpha+1}} \right) - \Pi_1$
$\lambda\alpha. \left( \varepsilon_{\Omega_{\alpha+1}+1} \right) - \Pi_1$
$\lambda\alpha. \left( \zeta_{\Omega_{\alpha+1}+1} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\alpha+2} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\alpha+3} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\alpha+\omega} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\alpha \cdot 2} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\alpha^2} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\alpha^\alpha} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\varepsilon_{\alpha+1}} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\Omega_{\alpha+1}} \right) - \Pi_1$
$\lambda\alpha. \left( \Omega_{\Omega_{\Omega_{\alpha+1}}} \right) - \Pi_1$
$\lambda\alpha. \left( \Phi(1, \alpha + 1) \right) - \Pi_1$
$\lambda\alpha. \left( \Phi(1, 0, \alpha + 1) \right) - \Pi_1$
$\lambda\alpha. \left( \Phi(1 @ (\alpha + 1)) \right) - \Pi_1$
$\lambda\alpha. \left( I_{\alpha+1} \right) - \Pi_1$
$\lambda\alpha. \left( M_{\alpha+1} \right) - \Pi_1$
$\lambda\alpha. \left( K_{\alpha+1} \right) - \Pi_1$
$\lambda\alpha. \left( \Pi_\omega[\alpha + 1] \right) - \Pi_1 = \lambda\alpha. \left( \lambda\beta. (\beta + 1) - \Pi_1 \right) - \Pi_1$
$\lambda\alpha. \left( \lambda\beta. (\beta + 1) - \Pi_1 + \alpha \right) - \Pi_1$
$\lambda\alpha. \left( \lambda\beta. (\beta + 1) - \Pi_1 + \Omega_{\alpha+1} \right) - \Pi_1$
$\lambda\alpha. \left( \lambda\beta. (\beta + 1) - \Pi_1 + K_{\alpha+1} \right) - \Pi_1$
$\lambda\alpha. \left( \lambda\beta. (\beta + 1) - \Pi_1 \cdot 2 \right) - \Pi_1$
$\lambda\alpha. \left( (\lambda\beta. (\beta + 1) - \Pi_1)^2 \right) - \Pi_1$
$\lambda\alpha. \left( (\lambda\beta. (\beta + 1) - \Pi_1)^{\lambda\beta. (\beta+1) - \Pi_1} \right) - \Pi_1$
$\lambda\alpha. \left( \varepsilon_{\lambda\beta. (\beta+1) - \Pi_1 + 1} \right) - \Pi_1$



p.f.e.c. $\Sigma_1$ 稳定序数
$\lambda\alpha. (\Omega_{\lambda\beta.(\beta+1)-\Pi_1+1}) - \Pi_1$
$\lambda\alpha. (K_{\lambda\beta.(\beta+1)-\Pi_1+1}) - \Pi_1$
$\lambda\alpha. (2\text{nd}\lambda\beta.(\beta+1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (3\text{rd}\lambda\beta.(\beta+1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (1 - \lambda\beta.(\beta+1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (2 - \lambda\beta.(\beta+1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\omega - \lambda\beta.(\beta+1) - \Pi_1) - \Pi_1$
$\lambda\alpha. ((\lambda\beta.(\beta+1) - \Pi_1 -)^3) - \Pi_1$
$\lambda\alpha. ((\lambda\beta.(\beta+1) - \Pi_1 -)^\omega) - \Pi_1$
$\lambda\alpha. ((\lambda\beta.(\beta+1) - \Pi_1 -)^{1,0}) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta+2) - \Pi_0) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta+2) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta+2) - \Pi_2) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta+3) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta+\omega) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta + \lambda\alpha. (\lambda\beta.(\beta+1) - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta + \alpha) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta + \Omega_{\alpha+1}) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta + K_{\alpha+1}) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta + \lambda\beta.(\beta+1) - \Pi_1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta \cdot 2) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta \cdot \omega) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta \cdot \alpha) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta^2) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\beta^\beta) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta.(\varepsilon_{\beta+1}) - \Pi_1) - \Pi_1$

p.f.e.c. $\Sigma_1$ 稳定序数
$\lambda\alpha. (\lambda\beta. (\Omega_{\beta+1}) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (K_{\beta+1}) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\lambda\gamma. (\gamma + 1) - \Pi_1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\lambda\gamma. (\lambda\delta. (\delta + 1) - \Pi_1) - \Pi_1) - \Pi_1) - \Pi_1$
$\omega - \pi - \Pi_0 = \lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0$
$2 - \lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0$
$\omega - \lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0$
$\lambda\alpha. (\alpha + 1) - \Pi_0 - (\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0)$
$\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0 - (\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0)$
$(\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0 -)^3$
$(\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0 -)^\omega$
$(\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0 -)^\alpha$
$(\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_0 -)^{\Omega_{\alpha+1}}$
$\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_1$
$\lambda\alpha. (\omega - \pi - \Pi_0) - \Pi_2$
$\lambda\alpha. (\omega - \pi - \Pi_0 + 1) - \Pi_1$
$\lambda\alpha. (\omega - \pi - \Pi_0 + \alpha) - \Pi_1 = \lambda\alpha. (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 + \alpha) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 + \Omega_{\alpha+1}) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 \cdot 2) - \Pi_1$
$\lambda\alpha. (2^{\text{nd}} \lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0) - \Pi_1$
$\lambda\alpha. (1 - \lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0) - \Pi_1$
$\lambda\alpha. (\omega - \lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0) - \Pi_1$
$\lambda\alpha. \left( (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 -)^2 \right) - \Pi_1$
$\lambda\alpha. \left( (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 -)^3 \right) - \Pi_1$
$\lambda\alpha. ((\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 -)^\omega) - \Pi_1$
$\lambda\alpha. ((\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 -)^\alpha) - \Pi_1$

p.f.e.c. $\Sigma_1$ 稳定序数
$\lambda\alpha. \left( (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 -) ^{\Omega_{\alpha+1}} \right) - \Pi_1$
$\lambda\alpha. \left( (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 -) ^{\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0[\alpha+1]} \right) - \Pi_1$
$\lambda\alpha. \left( (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 -) ^{\beta} \right) - \Pi_1$
$\lambda\alpha. \left( (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0 -) ^{\Omega_{\beta+1}} \right) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\lambda\gamma. (\omega - \pi - \Pi_0) - \Pi_1) - \Pi_1) - \Pi_1$
$\omega - \pi - \Pi_0 \text{ onto } \omega - \pi - \Pi_0$
$\lambda\alpha. (\omega - \pi - \Pi_0 \text{ onto } \omega - \pi - \Pi_0) - \Pi_1$
$\lambda\alpha. (\omega - \pi - \Pi_0 \text{ onto } ^3) - \Pi_1$
$\lambda\alpha. (\omega - \pi - \Pi_0 \text{ onto } ^\omega) - \Pi_1$
$\lambda\alpha. (\omega - \pi - \Pi_0 \text{ onto } ^\alpha) - \Pi_1$
$\lambda\alpha. (\omega - \pi - \Pi_0 \text{ onto } ^\beta) - \Pi_1$
$\lambda\alpha. (\omega - \pi - \Pi_0 \text{ onto } ^\gamma) - \Pi_1$
$\lambda\alpha. (\omega - \pi - \Pi_0 \text{ onto } ^{\alpha(\omega)}) - \Pi_1$
$\omega - \pi - \Pi_1$
$\omega - \pi - \Pi_0 \text{ onto } \omega - \pi - \Pi_1$
$\omega - \pi - \Pi_0 \text{ onto } ^2\omega - \pi - \Pi_1$
$\omega - \pi - \Pi_0 \text{ onto } ^\omega\omega - \pi - \Pi_1$
$\omega - \pi - \Pi_0 \text{ onto } ^\alpha\omega - \pi - \Pi_1$
$\omega - \pi - \Pi_0 \text{ onto } ^{\alpha(\omega)}\omega - \pi - \Pi_1$
$\omega - \pi - \Pi_1\omega - \pi - \Pi_0 \text{ onto } \omega - \pi - \Pi_1$
$(\omega - \pi - \Pi_1\omega - \pi - \Pi_0 \text{ onto } )^2\omega - \pi - \Pi_1$
$(\omega - \pi - \Pi_1\omega - \pi - \Pi_0 \text{ onto } )^\omega\omega - \pi - \Pi_1$
$(\omega - \pi - \Pi_1\omega - \pi - \Pi_0 \text{ onto } )^{\alpha(\omega)}\omega - \pi - \Pi_1$
$\omega - \pi - \Pi_1 \text{ onto } \omega - \pi - \Pi_1$
$\omega - \pi - \Pi_1 \text{ onto } ^3$

p.f.e.c. $\Sigma_1$ 稳定序数
$\omega - \pi - \Pi_1$ onto ${}^\omega$
$\omega - \pi - \Pi_1$ onto ${}^{\alpha(\omega)}$
$\omega - \pi - \Pi_2$
$\omega - \pi - \Pi_3$
$(\omega + 1) - \pi - (+1) - \Pi_0$
$\omega - \pi - \Pi_0$ onto $(\omega + 1) - \pi - (+1) - \Pi_0$
$\omega - \pi - \Pi_1$ onto $(\omega + 1) - \pi - (+1) - \Pi_0$
$(\omega + 1) - \pi - (+1) - \Pi_0$ onto ${}^2$
$(\omega + 1) - \pi - (+1) - \Pi_0$ onto ${}^\omega$
$(\omega + 1) - \pi - (+1) - \Pi_0$ onto ${}^{\alpha(\omega)}$
$(\omega + 1) - \pi - (+1) - \Pi_1$
$(\omega + 1) - \pi - (+1) - \Pi_2$
$(\omega + 1) - \pi - (+2) - \Pi_0$
$(\omega + 1) - \pi - (+2) - \Pi_1$
$(\omega + 1) - \pi - (+\omega) - \Pi_1$
$(\omega + 1) - \pi - (+\alpha) - \Pi_1$
$(\omega + 1) - \pi - (+\beta) - \Pi_1$
$(\omega + 1) - \pi - (\cdot 2) - \Pi_1$
$(\omega + 1) - \pi - (\cdot 3) - \Pi_1$
$(\omega + 1) - \pi - (\Omega_{\alpha(\omega)+1}) - \Pi_1$
$(\omega + 2) - \pi - (+1) - \Pi_1$
$(\omega + 3) - \pi - (+1) - \Pi_1$
$(\omega \cdot 2) - \pi - \Pi_1$
$\omega^2 - \pi - \Pi_1$
$\omega^\omega - \pi - \Pi_1$
$\Omega - \pi - \Pi_1$

p.f.e.c. $\Sigma_1$ 稳定序数
$(\lambda\alpha.(\alpha+1) - \Pi_1) - \pi - \Pi_1$
$(\lambda\alpha.(\lambda\beta.(\beta+1) - \Pi_1) - \pi - \Pi_1) - \pi - \Pi_1$
$\alpha - \pi - \Pi_1$
$\alpha \cdot 2 - \pi - \Pi_1$
$\alpha^2 - \pi - \Pi_1$
$\Omega_{\alpha+1} - \pi - \Pi_1$
$(\lambda\beta.(\beta+1) - \Pi_1[\alpha+1]) - \pi - \Pi_1$
$(\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1[\alpha+1]) - \pi - \Pi_1$
$(\lambda\beta.(\alpha - \pi - \Pi_1) - \Pi_1[\alpha+1]) - \pi - \Pi_1$
$(\lambda\gamma.(\alpha - \pi - \Pi_1) - \Pi_1[\alpha+1]) - \Pi_1[\alpha+1] - \pi - \Pi_1$
$\beta - \pi - \Pi_1$
$\gamma - \pi - \Pi_1$
$\alpha(\omega) - \pi - \Pi_1$
$\alpha(\Omega) - \pi - \Pi_1$
$\alpha(\lambda\alpha.(\omega - \pi - \Pi_1) - \Pi_1) - \pi - \Pi_1$
$\alpha(\lambda\alpha.(\alpha - \pi - \Pi_1) - \Pi_1) - \pi - \Pi_1$
$\alpha(\lambda\alpha.(\alpha(\lambda\alpha.(\alpha - \pi - \Pi_1) - \Pi_1) - \pi - \Pi_1) - \Pi_1) - \pi - \Pi_1$
$\alpha(\alpha(0)) - \pi - \Pi_1$
$\alpha(\alpha(0)+1) - \pi - \Pi_1$
$\alpha(\Omega_{\alpha(0)+1}) - \pi - \Pi_1$
$\alpha(\lambda\beta.(\alpha(\alpha(0)) - \pi - \Pi_1)[\alpha(0)+1]) - \pi - \Pi_1$
$\alpha(\alpha(1)) - \pi - \Pi_1$
$\alpha(\alpha(2)) - \pi - \Pi_1$
$\alpha(\alpha(\omega)) - \pi - \Pi_1$
$\alpha(\alpha(\alpha(0))) - \pi - \Pi_1$
$\alpha(1,0)$

p.f.e.c. $\Sigma_1$ 稳定序数
$\alpha(1, 1)$
$\alpha(1, \omega)$
$\alpha(1, \alpha)$
$\alpha(1, \beta)$
$\alpha(1, \alpha(\omega))$
$\alpha(1, \alpha(1, 0))$
$\alpha(2, 0)$
$\alpha(\omega, 0)$
$\alpha(1, 0, 0)$
$\alpha(1, 0, 0, 0)$
$\alpha(1@ \omega)$
$\alpha(1@(1, 0))$
$\alpha(1@(1@(1, 0)))$

### C.3 方括号稳定

方括号稳定
$\lambda\alpha. (\Pi_3[2]) - \Pi_{1[1--stable]}$
$\lambda\alpha. (\Pi_3[2]\Pi_0 \text{ onto } \Pi_3[2]) - \Pi_1$
$\lambda\alpha. \left( (\Pi_3[2]\Pi_0 \text{ onto } )^2 \Pi_3[2] \right) - \Pi_1$
$\lambda\alpha. ((\Pi_3[2]\Pi_0 \text{ onto } )^\omega \Pi_3[2]) - \Pi_1$
$\lambda\alpha. ((\Pi_3[2]\Pi_0 \text{ onto } )^\alpha \Pi_3[2]) - \Pi_1$
$\lambda\alpha. \left( (\Pi_3[2]\Pi_0 \text{ onto } )^{\alpha(1,0)} \Pi_3[2] \right) - \Pi_1$
$\lambda\alpha. (\Pi_3[2]\Pi_2 \text{ onto } \Pi_3[2]) - \Pi_1$
$\lambda\alpha. (\Pi_3[2]\Pi_3 \text{ onto } \Pi_3[2]) - \Pi_1$
$\lambda\alpha. (\Pi_3[2]\Pi_4) - \Pi_1$
$\lambda\alpha. (\Pi_3[2]\Pi_5) - \Pi_1$

方括号稳定
$\lambda\alpha. (\Pi_3[2]\lambda\beta. (\beta + 1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\Pi_3[2]\lambda\beta. (\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\Pi_3[2]\lambda\beta. (\Pi_3[2]) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\Pi_3[2]\lambda\beta. (\Pi_3[2]\lambda\gamma. (\Pi_3[2]) - \Pi_1) - \Pi_1) - \Pi_1$
$\lambda\alpha. (\Pi_{0-3}[2]) - \Pi_1$
$\lambda\alpha. (\Pi_{0-^2_3}[2]) - \Pi_1$
$\lambda\alpha. (\Pi_{0-\omega_3}[2]) - \Pi_1$
$\lambda\alpha. (\Pi_{0-\alpha_3}[2]) - \Pi_1$
$\lambda\alpha. (\Pi_3 0 - 3[2]) - \Pi_1$
$\lambda\alpha. (\Pi_3 \text{ } 0 - (3 \text{ } 0 - 3)[2]) - \Pi_1$
$\lambda\alpha. (\Pi_{3-3}[2]) - \Pi_1$
$\lambda\alpha. (\Pi_{3-3-3}[2]) - \Pi_1$
$\lambda\alpha. (\Pi_{3-\omega}[2]) - \Pi_1$
$\lambda\alpha. (\Pi_{3-\alpha}[2]) - \Pi_1$
$\lambda\alpha. (\Pi_4[2]) - \Pi_1$
$\lambda\alpha. (\Pi_5[2]) - \Pi_1$
$\lambda\alpha. (\Pi_\omega[2]) - \Pi_0 = \lambda\alpha. (\lambda\beta. (\beta + 1) - \Pi_0[2]) - \Pi_0$
$\lambda\alpha. (\lambda\beta. (\omega - \pi - \Pi_0) - \Pi_0[2]) - \Pi_0$
$\lambda\alpha. (\lambda\beta. (\lambda\gamma. (\omega - \pi - \Pi_0) - \Pi_0[2]) - \Pi_0[2]) - \Pi_0$
$\omega - \pi - [2] - \Pi_0$
$\omega - \pi - [2] - \Pi_1$
$\omega - \pi - [2] - \Pi_2$
$(\omega + 1) - \pi - (+1) - [2] - \Pi_1$
$\Omega - \pi - [2] - \Pi_1$
$(\lambda\alpha. (\omega - \pi - \Pi_1) - \Pi_1) - \pi - [2] - \Pi_1$
$(\lambda\alpha. (\Pi_3[2]) - \Pi_1) - \pi - [2] - \Pi_1$

方括号稳定
$(\lambda\alpha.(\omega - \pi - [2] - \Pi_1) - \Pi_1) - \pi - [2] - \Pi_1$
$\alpha - \pi - [2] - \Pi_1$
$\alpha(\omega) - \pi - [2] - \Pi_1$
$\alpha(\alpha(0)) - \pi - [2] - \Pi_1$
$\alpha(1, 0) - \pi - [2] - \Pi_1$
$\alpha(1, 0, 0) - \pi - [2] - \Pi_1$
$\alpha(1@ \omega) - \pi - [2] - \Pi_1$
$\alpha(1@(1, 0)) - \pi - [2] - \Pi_1$
$\alpha(1@(1@(1, 0))) - \pi - [2] - \Pi_1$
$\lambda\alpha.(\Pi_3[3]) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\Pi_0 \text{ onto } \Pi_3[3]) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\Pi_2 \text{ onto } \Pi_3[3]) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\Pi_4) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\beta + 1) - \Pi_1) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\omega - \pi - \Pi_1) - \Pi_1) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\Pi_3[2]) - \Pi_1) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\omega - \pi - [2] - \Pi_1) - \Pi_1) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\Pi_3[3]) - \Pi_1) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\Pi_3[3]\lambda\gamma.(\Pi_3[3]) - \Pi_1) - \Pi_1) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\Pi_0[2] \text{ onto } \Pi_3[3]) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\Pi_3[2] \text{ onto } \Pi_3[3]) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\Pi_4[2]) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\beta + 1) - \Pi_1[2]) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\omega - \pi - [2] - \Pi_1) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\Pi_3[3]) - \Pi_1[2]) - \Pi_1$
$\lambda\alpha.(\Pi_3[3]\lambda\beta.(\Pi_3[3]\lambda\gamma.(\Pi_3[3]) - \Pi_1[2]) - \Pi_1[2]) - \Pi_1$



方括号稳定
$\lambda\alpha. (\Pi_{0-3}[3]) - \Pi_1$
$\lambda\alpha. (\Pi_3 0 - 3[3]) - \Pi_1$
$\lambda\alpha. (\Pi_{3-3}[3]) - \Pi_1$
$\lambda\alpha. (\Pi_{3-3-3}[3]) - \Pi_1$
$\lambda\alpha. (\Pi_4[3]) - \Pi_1$
$\lambda\alpha. (\Pi_5[3]) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\beta + 1) - \Pi_1[3]) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\omega - \pi - \Pi_1) - \Pi_1[3]) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\omega - \pi - [2] - \Pi_1) - \Pi_1[3]) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\Pi_3[3]) - \Pi_1[3]) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\lambda\gamma. (\Pi_3[3]) - \Pi_1[3]) - \Pi_1[3]) - \Pi_1$
$\omega - \pi - [3] - \Pi_1$
$\omega - \pi - [4] - \Pi_1$
$\omega - \pi - [5] - \Pi_1$
$\lambda\alpha. (\Pi_0[\omega]) - \Pi_1$
$\lambda\alpha. (\Pi_{0-0}[\omega]) - \Pi_1$
$\lambda\alpha. (\Pi_{0-\omega}[\omega]) - \Pi_1$
$\lambda\alpha. (\Pi_{0-\alpha}[\omega]) - \Pi_1$
$\lambda\alpha. (\Pi_3[\omega]) - \Pi_1$
$\lambda\alpha. (\Pi_4[\omega]) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\beta + 1) - \Pi_1[\omega]) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\Pi_0[\omega]) - \Pi_1[\omega]) - \Pi_1$
$\lambda\alpha. (\lambda\beta. (\lambda\gamma. (\Pi_0[\omega]) - \Pi_1[\omega]) - \Pi_1[\omega]) - \Pi_1$
$\omega - \pi - [\omega] - \Pi_0$
$\lambda\alpha. (\Pi_0[\omega + 1]) - \Pi_1$
$\omega - \pi - [\omega + 1] - \Pi_0$

方括号稳定
$\lambda\alpha. (\Pi_0[\omega + 2]) - \Pi_1$
$\omega - \pi - [\Omega] - \Pi_0$
$\omega - \pi - [\alpha] - \Pi_0$
$\omega - \pi - [\beta] - \Pi_0$
$\omega - \pi - [\alpha(\omega)] - \Pi_0$
$\omega - \pi - [\alpha(1, 0)] - \Pi_0$
$\omega - \pi - [\Pi_3[2]] - \Pi_0$
$\omega - \pi - [\Pi_\omega[2]] - \Pi_0$
$\omega - \pi - [\omega - \pi - [2] - \Pi_0] - \Pi_0$
$\omega - \pi - [\omega - \pi - [3] - \Pi_0] - \Pi_0$
$\omega - \pi - [\omega - \pi - [\omega] - \Pi_0] - \Pi_0$
$\omega - \pi - [\omega - \pi - [\omega - \pi - [\omega] - \Pi_0] - \Pi_0] - \Pi_0$

## C.4 投影序数

投影序数
$\lambda\alpha \cdot (\lambda\beta \cdot (\Pi_0[\beta]) - \Pi_1) - \Pi_1 = \psi_\alpha(\psi_\beta(\alpha_{\beta+1}^\beta))$
$\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\Omega_{\beta+1}}))$
$\psi_\alpha(\psi_\beta(\alpha_{\beta+1}^{\alpha_{\beta+1}}))$
$\psi_\alpha(\psi_\beta(\varepsilon_{\alpha_{\beta+1}+1}))$
$\psi_\alpha(\psi_\beta(\Omega_{\alpha_{\beta+1}+1}))$
$\psi_\alpha(\psi_\beta(\alpha_{\alpha_{\beta+1}}))$
$\psi_\alpha(\psi_\beta(\alpha_{\alpha_{\beta+1}}))$
$\psi_\alpha(\psi_\beta(\psi_{\beta_2}(\alpha_{\beta_2+1} \cdot \beta)))$
$\psi_\alpha(\psi_\beta(\psi_{\beta_2}(\alpha_{\beta_2+1}^2)))$
$\psi_\alpha(\psi_\beta(\psi_{\beta_2}(\alpha_{\beta_2+1}^{\alpha_{\beta_2+1}})))$
$\psi_\alpha(\psi_\beta(\psi_{\beta_2}(\varepsilon_{\alpha_{\beta_2+1}+1})))$

投影序数
$\psi_\alpha(\psi_\beta(\psi_{\beta_2}(\Omega_{\alpha_{\beta_2+1}+1})))$
$\psi_\alpha(\psi_\beta(\psi_{\beta_2}(\alpha_{\alpha_{\beta_2+1}+1})))$
$\psi_\alpha(\psi_\beta(\psi_{\beta_3}(\alpha_{\beta_3+1} \cdot \beta)))$
$\psi_\alpha(\psi_\beta(\beta_\omega))$
$\psi_\alpha(\psi_\beta(\beta_\alpha))$
$\psi_\alpha(\psi_\beta(\beta_\beta))$
$\psi_\alpha(\psi_\beta(\beta_{\beta_\beta}))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma+1} \cdot \gamma)))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma+1}^2)))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\gamma+1}^{\beta_{\gamma+1}})))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\varepsilon_{\beta_{\gamma+1}+1})))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\Omega_{\beta_{\gamma+1}+1})))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\alpha_{\beta_{\gamma+1}+1})))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\beta_{\gamma+1}+1})))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\beta_{\beta_{\beta_{\gamma+1}+1}})))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\psi_{\gamma_2}(\beta_{\gamma_2+1} \cdot \gamma))))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\psi_{\gamma_3}(\beta_{\gamma_3+1} \cdot \gamma))))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\gamma_\omega)))$
$\psi_\alpha(\psi_\beta(\psi_\gamma(\psi_\delta(\delta_\omega))))$

C.5 容许稳定与  $\Sigma_n$  稳定序数

容许稳定与 $\Sigma_n$ 稳定序数
$\omega$ - ply - stable Admissible Stability
$\omega$ - ply - stable onto <sup>2</sup>
$\omega$ - ply - stable onto <sup><math>\alpha</math></sup>
$\omega$ - ply - stable onto <sup><math>\alpha(\omega)</math></sup>

容许稳定与 $\Sigma_n$ 稳定序数
$(\omega + 1) - \text{ply} - (+1) - \text{stable}$
$(\omega \cdot 2) - \text{ply} - \text{stable}$
$\Omega - \text{ply} - \text{stable}$
$\alpha - \text{ply} - \text{stable}$
$\alpha(1, 0) - \text{ply} - \text{stable}$
$(\text{next } \Pi_3[2]) - \text{stable} = \Sigma_2 - \text{Admissible Ordinal}$
$(\text{next } \Pi_4[2]) - \text{stable}$
$(\text{next } \Pi_\omega[2]) - \text{stable}$
$(\text{next } \omega - \text{ply} - [2] - \text{stable}) - \text{stable}$
$(\text{next } \omega - \text{ply} - [3] - \text{stable}) - \text{stable}$
$(\text{next } \omega - \text{ply} - [\omega] - \text{stable}) - \text{stable}$
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\Pi_0[\alpha]$ 反射。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\Pi_0[\beta]$ 反射。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时 $\alpha$ 是 $\alpha(1) + 1 - \text{stable}$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时 $\alpha$ 是 $\alpha(\omega) + 1 - \text{stable}$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时满足 $\lambda\alpha.(\beta) - \Pi_2$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时满足 $\lambda\alpha.(\alpha(\beta + 1)) - \Pi_2$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时满足 $\lambda\alpha.(\alpha(\beta + (...))) - \Pi_2$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时满足稳定链顶端是 $\Pi_0[\gamma]1 - \Pi_0[\gamma]$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时满足稳定链顶端是 $\Pi_0[\gamma]2 - \Pi_0[\gamma]$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时满足稳定链顶端是 $\Pi_0[\gamma]2 - \Pi_0[\gamma]$ 。
$\alpha$ 是 $\beta - \text{stable}$ , 同时 $\beta$ 是 $\gamma - \Sigma_2 - \text{stable}$ , 同时满足稳定链顶端是 $\Pi_0[\gamma]3$ 。

容许稳定与 $\Sigma_n$ 稳定序数
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha$ 是 $\gamma + 1$ -stable。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha$ 是 $\beta_1$ -stable, $\beta_1$ 是 $\beta_1 + 1$ -stable。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha$ 是 $\beta_1$ -stable, $\beta_1$ 是 $\gamma_1 - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha$ 是 $\beta_2$ -stable, $\beta_2$ 是 $\gamma_2 - \Sigma_2$ -stable。
存在 3 对 $\{\beta_n, \gamma_n\}$ 使得 $\alpha$ 是 $\beta_n$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable。
存在 4 对 $\{\beta_n, \gamma_n\}$ 使得 $\alpha$ 是 $\beta_n$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable。
存在 $\omega$ 对 $\{\beta_n, \gamma_n\}$ 使得 $\alpha$ 是 $\beta_n$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable。
存在 $\alpha$ 对 $\{\beta_n, \gamma_n\}$ 使得 $\alpha$ 是 $\beta_n$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable。
$n$ th $X$ 即存在 $n$ 对 $\{\beta_n, \gamma_n\}$ 使得 $\alpha$ 是 $\beta_n$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable。
$\Pi_3$ onto $X$
$\omega$ -ply-stable onto $X$
next $\Sigma_2$ -stable onto $X$
$\alpha'$ onto $X$ , 其中 $\alpha'$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha'$ 是 $\alpha'(1) + 1$ -stable。
$\alpha'$ onto $X$ , 其中 $\alpha'$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha'$ 是 $\alpha'(\omega) + 1$ -stable。
$\alpha'$ onto $X$ , 其中 $\alpha'$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时满足 $\alpha'$ 是 $\lambda\alpha'(\beta) - \Pi_2$ 。
$\alpha'$ onto $X$ , 其中 $\alpha'$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时满足稳定链顶端是 $\Pi_0[\gamma]1 - \Pi_0[\gamma]$ 。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha(1)$ 是 $\gamma + 1$ -stable。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha(1)$ 是 $\beta_1$ -stable, $\beta_1$ 是 $\beta_1 + 1$ -stable。
存在 $\omega$ 对 $\{\beta_n, \gamma_n\}$ 使得 $\alpha(1)$ 是 $\beta_n$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha(2)$ 是 $\gamma + 1$ -stable。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\alpha(3)$ 是 $\gamma + 1$ -stable。

容许稳定与 $\Sigma_n$ 稳定序数
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\beta$ 是 $\gamma + 1$ -stable。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\beta$ 是 $\beta_1$ -stable, $\beta_1$ 是 $\gamma_1 - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, 同时 $\beta$ 是 $\gamma - \Sigma_2$ -stable, 同时 $\beta$ 是 $\beta_1$ -stable, $\beta_1$ 是 $\gamma_1 - \Sigma_2$ -stable, 同时 $\beta_1$ 是 $\beta_2$ -stable, $\beta_2$ 是 $\gamma_2 - \Sigma_2$ -stable。
存在 3 对 $\{\beta_n, \beta_{n+1}, \gamma_{n+1}\}$ , $\gamma_n \in \beta_{n+1}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\beta_{n+1}$ -stable, $\beta_{n+1}$ 是 $\gamma_{n+1} - \Sigma_2$ -stable。
存在 4 对 $\{\beta_n, \beta_{n+1}, \gamma_{n+1}\}$ , $\gamma_n \in \beta_{n+1}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\beta_{n+1}$ -stable, $\beta_{n+1}$ 是 $\gamma_{n+1} - \Sigma_2$ -stable。
存在 $\omega$ 对 $\{\beta_n, \beta_{n+1}, \gamma_{n+1}\}$ , $\gamma_n \in \beta_{n+1}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\beta_{n+1}$ -stable, $\beta_{n+1}$ 是 $\gamma_{n+1} - \Sigma_2$ -stable。
存在 $(1, 0)$ 对 $\{\beta_n, \beta_{n+1}, \gamma_{n+1}\}$ , $\gamma_n \in \beta_{n+1}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\beta_{n+1}$ -stable, $\beta_{n+1}$ 是 $\gamma_{n+1} - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $(\gamma, \gamma') - 2 - o - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $(\gamma, \gamma') - 2 - o - \Sigma_2$ -stable, 同时 $\gamma' \in \beta_1$ $\beta$ 是 $\beta_1$ -stable, $\beta_1$ 是 $(\gamma_1, \gamma'_1) - 2 - o - \Sigma_2$ -stable。
存在 3 对 $\{\beta_n, \beta_{n+1}, \gamma'_{n+1}\}$ , $\gamma'_n \in \beta_{n+1}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\beta_{n+1}$ -stable, $\beta_{n+1}$ 是 $(\gamma_n, \gamma'_{n+1}) - 2 - o - \Sigma_2$ -stable。
存在 4 对 $\{\beta_n, \beta_{n+1}, \gamma'_{n+1}\}$ , $\gamma'_n \in \beta_{n+1}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\beta_{n+1}$ -stable, $\beta_{n+1}$ 是 $(\gamma_n, \gamma'_{n+1}) - 2 - o - \Sigma_2$ -stable。
存在 $\omega$ 对 $\{\beta_n, \beta_{n+1}, \gamma'_{n+1}\}$ , $\gamma'_n \in \beta_{n+1}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\beta_{n+1}$ -stable, $\beta_{n+1}$ 是 $(\gamma_n, \gamma'_{n+1}) - 2 - o - \Sigma_2$ -stable。
存在 $(1, 0)$ 对 $\{\beta_n, \beta_{n+1}, \gamma'_{n+1}\}$ , $\gamma'_n \in \beta_{n+1}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\beta_{n+1}$ -stable, $\beta_{n+1}$ 是 $(\gamma_n, \gamma'_{n+1}) - 2 - o - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $3 - o - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $4 - o - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\omega - o - \Sigma_2$ -stable。

容许稳定与 $\Sigma_n$ 稳定序数
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\alpha - o - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $(1 \text{ st } \Sigma_2 - \tau) - o - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $(2 \text{ nd } \Sigma_2 - \tau) - o - \Sigma_2$ -stable。
记 $\gamma_n$ 是 $1 + n \text{ th } \Sigma_2$ 稳定目标。 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $(1, 0 \text{ th } \Sigma_2 - \tau) - o - \Sigma_2$ -stable, 即 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - o - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma \in \Pi_3$ 。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma \in \Pi_4$ 。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\gamma + 1$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\beta_1$ -stable, $\beta_1$ 是 $\gamma_1 - \Sigma_2$ -stable。
存在 3 对 $\{\beta_n, \gamma_n\}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable, $\gamma_n$ 是 $\beta_{n+1}$ -stable。
存在 $\omega$ 对 $\{\beta_n, \gamma_n\}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable, $\gamma_n$ 是 $\beta_{n+1}$ -stable。
存在 $(1, 0)$ 对 $\{\beta_n, \gamma_n\}$ , 使得 $\alpha$ 是 $\beta_0$ -stable, $\beta_n$ 是 $\gamma_n - \Sigma_2$ -stable, $\gamma_n$ 是 $\beta_{n+1}$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $(\gamma, \gamma') - \Sigma_2$ -stable, 且 $\gamma$ 是 $\gamma'$ -stable, 即 $\alpha \rightarrow \beta \rightarrow_2 (\gamma, \gamma'), \gamma \rightarrow \gamma'$ 。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $(\gamma, \gamma', \gamma'') - \Sigma_2$ -stable, 且 $\gamma$ 是 $\gamma''$ -stable, 即 $\alpha \rightarrow \beta \rightarrow_2 (\gamma, \gamma', \gamma''), \gamma \rightarrow \gamma' \rightarrow \gamma''$ 。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\omega$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\alpha$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\beta$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\gamma$ -ply。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta - \Sigma_2$ -stable。即 $\alpha \rightarrow \beta \rightarrow_2 \gamma \rightarrow_2 \delta$ 。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $2 - o - \Sigma_2$ -stable。 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\omega - o - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta - \Sigma_2$ -stable, 且 $\delta \in \Pi_3$ 。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable , 且 $\gamma$ 是 $\delta - \Sigma_2$ -stable, 且 $\delta \in \Pi_4$ 。

容许稳定与 $\Sigma_n$ 稳定序数
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta - \Sigma_2$ -stable, 且 $\delta$ 是 $\delta + 1$ -stable。
存在 1 对 $\{\delta_n, \varepsilon_n\}$ , 使得 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta_0 - \Sigma_2$ -stable。
$\delta_n$ 是 $\varepsilon_n$ -stable, $\varepsilon_n$ 是 $\delta_{n+1}$ -stable。 即 $\alpha \rightarrow \beta \rightarrow_2 \gamma \rightarrow_2 \delta \rightarrow \varepsilon \rightarrow_2 \delta_1$ 。
存在 $\omega$ 对 $\{\delta_n, \varepsilon_n\}$ , 使得 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta_0 - \Sigma_2$ -stable。
$\delta_n$ 是 $\varepsilon_n$ -stable, $\varepsilon_n$ 是 $\delta_{n+1}$ -stable。
存在 $(1, 0)$ 对 $\{\delta_n, \varepsilon_n\}$ , 使得 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta_0 - \Sigma_2$ -stable。
$\delta_n$ 是 $\varepsilon_n$ -stable, $\varepsilon_n$ 是 $\delta_{n+1}$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta - \Sigma_2$ -stable, 且 $\delta$ 是 $\varepsilon$ -stable, $\varepsilon$ 是 $(\delta_1, \delta'_1) - \Sigma_2$ -stable, 且 $\delta_1$ 是 $\delta'_1$ -stable, 即 $\alpha \rightarrow \beta \rightarrow_2 \gamma \rightarrow_2 \delta \rightarrow \varepsilon \rightarrow_2 (\delta_1, \delta'_1), \delta_1 \rightarrow \delta'_1$ 。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta - \Sigma_2$ -stable, 且 $\delta$ 是 $\varepsilon$ -stable, $\varepsilon$ 是 $(\delta_1, \delta'_1, \delta''_1) - \Sigma_2$ -stable, 且 $\delta_1$ 是 $\delta''_1$ -stable, 即 $\alpha \rightarrow \beta \rightarrow_2 \gamma \rightarrow_2 \delta \rightarrow \varepsilon \rightarrow_2 (\delta_1, \delta'_1, \delta''_1), \delta_1 \rightarrow \delta'_1 \rightarrow \delta''_1$ 。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\omega$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\gamma$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\delta$ -ply。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta - \Sigma_2$ -stable, 且 $\delta$ 是 $\varepsilon$ -stable, $\varepsilon$ 是 $\delta_1 - \Sigma_2$ -stable, 且 $\delta_1$ 是 $\delta'_1 - \Sigma_2$ -stable。 即 $\alpha \rightarrow \beta \rightarrow_2 \gamma \rightarrow_2 \delta \rightarrow \varepsilon \rightarrow_2 \delta_1 \rightarrow_2 \delta'_1$ 。
存在 2 对 $\{\varepsilon_n, \delta_{n+1}, \delta'_{n+1}\}$ , 使得 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta_0 - \Sigma_2$ -stable, $\delta_0$ 是 $\varepsilon_0$ -stable, $\varepsilon_n$ 是 $\delta_{n+1} - \Sigma_2$ -stable, $\delta_{n+1}$ 是 $\delta'_{n+1} - \Sigma_2$ -stable。
存在 $\omega$ 对 $\{\varepsilon_n, \delta_{n+1}, \delta'_{n+1}\}$ , 使得 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta_0 - \Sigma_2$ -stable, $\delta_0$ 是 $\varepsilon_0$ -stable, $\varepsilon_n$ 是 $\delta_{n+1} - \Sigma_2$ -stable, $\delta_{n+1}$ 是 $\delta'_{n+1} - \Sigma_2$ -stable。



容许稳定与 $\Sigma_n$ 稳定序数
存在 $(1, 0)$ 对 $\{\varepsilon_n, \delta_{n+1}, \delta'_{n+1}\}$ , 使得 $\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $\delta_0 - \Sigma_2$ -stable, $\delta_0$ 是 $\varepsilon_0$ -stable, $\varepsilon_n$ 是 $\delta_{n+1} - \Sigma_2$ -stable, $\delta_{n+1}$ 是 $\delta'_{n+1} - \Sigma_2$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $(\delta, \delta') - \Sigma_2$ -stable, 且 $\delta$ 是 $\delta'$ -stable。 即 $\alpha \rightarrow \beta \rightarrow_2 \gamma \rightarrow_2 (\delta, \delta'), \delta \rightarrow \delta'$ 。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_2$ -stable, 且 $\gamma$ 是 $(\delta, \delta', \delta'') - \Sigma_2$ -stable, 且 $\delta$ 是 $\delta''$ -stable。 即 $\alpha \rightarrow \beta \rightarrow_2 \gamma \rightarrow_2 (\delta, \delta', \delta''), \delta \rightarrow \delta' \rightarrow \delta''$ 。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\omega$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\alpha$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\beta$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\gamma$ -ply。
上述 $\Sigma_2 - \tau$ 稳定层级的 $\delta$ -ply。
4 - ply - $\Sigma_2$ - stable
5 - ply - $\Sigma_2$ - stable
6 - ply - $\Sigma_2$ - stable
$\omega$ - ply - $\Sigma_2$ - stable
$(\omega + 1)$ - ply - $\Sigma_2$ - stable
$\alpha$ - ply - $\Sigma_2$ - stable
$\alpha(\alpha(0))$ - ply - $\Sigma_2$ - stable
$\alpha(1, 0)$ - ply - $\Sigma_2$ - stable
$\alpha(1, 0, 0)$ - ply - $\Sigma_2$ - stable
$\alpha(1@ \omega)$ - ply - $\Sigma_2$ - stable
$\alpha(1@(1, 0))$ - ply - $\Sigma_2$ - stable
$\alpha(1@(1@(1, 0)))$ - ply - $\Sigma_2$ - stable
$\lambda\alpha \cdot (\Pi_4[2][\Sigma_2]) - \Pi_1$
$\lambda\alpha \cdot (\Pi_5[2][\Sigma_2]) - \Pi_1$
$\lambda\alpha \cdot (\Pi_\omega[2][\Sigma_2]) - \Pi_1$

容许稳定与 $\Sigma_n$ 稳定序数
$\omega - \pi - \Sigma_2 - [2] - \Pi_1$
$\omega - \pi - \Sigma_2 - [3] - \Pi_1$
$\omega - \pi - \Sigma_2 - [\omega] - \Pi_1$
$\omega - \pi - \Sigma_2 - [\omega - \pi - \Sigma_2 - [\omega] - \Pi_1] - \Pi_1$
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_3$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_4$ -stable。
$\alpha$ 是 $\beta$ -stable, $\beta$ 是 $\gamma - \Sigma_5$ -stable。

## C.6 间隙序数与初等嵌入

间隙序数与初等嵌入
$\sup \{ \Sigma_n - \text{adm} \mid n \in \omega \}$
real. $\Sigma_\omega - \text{adm}$ , 即 $\forall n \in \omega, \alpha \in \Sigma_n - \text{adm}$ 。 其满足 $L_{\alpha+1} \models (\alpha = \omega_1)$ , 故又是 $L_{\alpha+1}$ 中的 $\omega_1$ , 记作 $\omega_1^{L_{\alpha+1}}$ 。 $\omega_1^{L_{\alpha+1}}$ 即长度为 1 的 Gap Ordinal。
初等嵌入 $j : L_\alpha \rightarrow L_\beta$ , 略微大于 $\omega_1^{L_{\alpha+1}}$ 。
初等嵌入 $j : L_\alpha \rightarrow L_\beta$ 与 $j_1 : L_\alpha \rightarrow L_{\beta_1}$ , 即存在 $L_\alpha$ 到两个不同的 $L_\beta$ 的初等嵌入。 这样的初等嵌入对应了 $\Sigma_{\omega \times 2}$ 稳定。
初等嵌入 $j : L_\alpha \rightarrow L_{\beta_n}, n < 4$ 。
初等嵌入 $j : L_\alpha \rightarrow L_{\beta_n}, n < \omega$ 。
初等嵌入 $j_0 : L_\alpha \rightarrow L_\beta$ , 且对于 $\beta$ 有初等嵌入 $j_1 : L_\beta \rightarrow L_\gamma$ 。 2-ply。
初等嵌入 $j_0 : L_\alpha \rightarrow L_\beta$ , 且初等嵌入 $j_1 : L_\beta \rightarrow L_\gamma$ , 且初等嵌入 $j_2 : L_\gamma \rightarrow L_\delta$ 。 3-ply 。
初等嵌入 $j : L_\alpha \rightarrow L_\beta$ 的 $\omega$ -ply。
初等嵌入 $j : L_\alpha \rightarrow L_\beta$ 的 $(1, 0)$ -ply。
初等嵌入 $j : L_\alpha \rightarrow L_\beta$ 的 $\Pi_3[2]$ 。

间隙序数与初等嵌入
初等嵌入 $j : L_\alpha \rightarrow L_\beta$ 的 $\omega - [2]$ -ply。
.....
$\alpha$ 满足 $L_{\alpha+2} \models (\alpha = \omega_1)$ , 即 $\omega_1^{L_{\alpha+2}}$ , 同时是长度为 2 的 Gap Ordinal。
初等嵌入 $j : L_{\alpha+1} \rightarrow L_{\beta+1}$ , 略微大于 $\omega_1^{L_{\alpha+2}}$ 。
初等嵌入 $j_0 : L_{\alpha+1} \rightarrow L_{\beta+1}$ , 且初等嵌入 $j_1 : L_\beta \rightarrow L_\gamma$ , 类似稳定链的 $\alpha \rightarrow_2 \beta \rightarrow \gamma$ 。
初等嵌入 $j : L_{\alpha+1} \rightarrow L_{\beta_n+1}, n < \omega$ 。
初等嵌入 $j : L_{\alpha+1} \rightarrow L_{\beta+1}$ 的 2-ply 。
初等嵌入 $j : L_{\alpha+1} \rightarrow L_{\beta+1}$ 的 $\omega$ -ply 。
初等嵌入 $j : L_{\alpha+1} \rightarrow L_{\beta+1}$ 的 $\omega - [2]$ -ply 。
.....
$\omega_1^{L_{\alpha+3}}$ , 长度为 3 的 Gap Ordinal。
初等嵌入 $j : L_{\alpha+2} \rightarrow L_{\beta+2}$ 。
初等嵌入 $j : L_{\alpha+2} \rightarrow L_{\beta+2}$ 的 $\omega - [2]$ -ply 。
.....
$\omega_1^{L_{\alpha+\omega}}$
$\omega_1^{L_{\alpha+\varepsilon_0}}$
$\omega_1^{L_{\alpha+\Omega}}$
$\omega_1^{L_{\alpha+\Sigma_\omega-\text{adm}}}$
$\omega_1^{L_{\alpha \times 2}}$ , 长度为 $\alpha$ 的 Gap Ordinal。 此处有 $L_{\alpha+\alpha} \models \alpha = \omega_1$ , 初等嵌入随之改变为: $j : L_\alpha \rightarrow L_{\omega_1}$
$\omega_1^{L_{\alpha \times 2+1}}$
初等嵌入 $j : L_{\alpha+1} \rightarrow L_{\omega_1+1}$
$\omega_1^{L_{\alpha \times 2+2}}$

间隙序数与初等嵌入
初等嵌入 $j : L_{\alpha+2} \rightarrow L_{\omega_1+2}$
.....
$\omega_1^{L_{\alpha \times \omega}}$
$\omega_1^{L_{\alpha \times \Omega}}$
$\omega_1^{L_{\alpha^2}}$
$\omega_1^{L_{\alpha^\alpha}}$
$\omega_1^{L_{\varepsilon_{\alpha+1}}}$
$\omega_1^{L_{\Omega_{\alpha+\omega}}}$ 。 令 $\beta = \Omega_{\alpha+\omega}$ , 则 $L_\beta \models \alpha = \omega_1$ 且 $\beta \in \Pi_1$ onto $\Sigma_1 - \text{adm}$ 。 在 OCF 中对应证明论序数: $\text{PTO}(\Pi_1^2 - \text{CA}_0)$ 。
$L_\beta \models \alpha = \omega_1$ 且 $\beta$ 是 $\omega - \text{ply} - \text{stable}$ , 对应证明论序数: $\text{PTO}(\Pi_2^2 - \text{CA}_0)$ 。
$L_\beta \models \alpha = \omega_1$ 且 $\beta \in \Sigma_2 - \text{adm}$
$L_\beta \models \alpha = \omega_1$ 且 $\beta$ 是 $\omega - \text{ply} - \Sigma_2 - \text{stable}$ , 对应证明论序数: $\text{PTO}(\Pi_3^2 - \text{CA}_0)$ 。
$L_\beta \models \alpha = \omega_1$ 且 $\beta \in \Sigma_3 - \text{adm}$
.....
$L_\beta \models \alpha = \omega_1$ 且 $\beta \in \Sigma_\omega - \text{adm}$ 。 对于此时的 $\beta$ 可以见证其下存在一个 $\omega_1$ , 而本身也是 $\Sigma_\omega - \text{adm}$ , 故 $L_{\beta+1} \models \beta = \omega_2$ 。 (用回 $\alpha$ 表示) 于是我们得到了 $\omega_2^{L_{\alpha+1}}$ 。
$\omega_2^{L_{\alpha+1}}$ , 对应证明论序数 $\text{PTO}(\mathbf{Z}_3)$ 。
初等嵌入 $j : L_\alpha \rightarrow L_\beta$ 且 $\alpha$ 是 $\omega_2^{L_{\alpha+1}}$ 。 这样的初等嵌入记作 $j : L_\alpha \rightarrow_{\omega_2} L_\beta$ 。
初等嵌入 $j : L_\alpha \rightarrow_{\omega_2} L_\beta$ 且初等嵌入 $j : L_\beta \rightarrow L_\gamma$ , $\omega_2$ 意义上的 $2 - \text{ply}$ 。
初等嵌入 $j : L_\alpha \rightarrow_{\omega_2} L_\beta$ 的 $\omega - \text{ply}$
.....
$\omega_2^{L_{\alpha+2}}$
$\omega_2^{L_{\alpha+\omega}}$

间隙序数与初等嵌入
$\omega_2^{L_{\alpha \times 2}}$
初等嵌入 $j : L_{\alpha} \rightarrow L_{\omega_2}$
$\omega_2^{L_{\alpha \times 2+1}}$
$\omega_2^{L_{\alpha^2}}$
$\omega_2^{L_{\Omega_{\alpha+1}}}$
$L_{\beta} \models \alpha = \omega_2$ 且 $\beta \in \Sigma_1 - \text{adm}$
$L_{\beta} \models \alpha = \omega_2$ 且 $\beta \in \Sigma_2 - \text{adm}$
$L_{\beta} \models \alpha = \omega_2$ 且 $\beta \in \Sigma_3 - \text{adm}$
$\omega_3^{L_{\alpha+1}}$ 。 对应证明论序数 $\text{PTO}(Z_4)$
$\omega_4^{L_{\alpha+1}}$ 。 对应证明论序数 $\text{PTO}(Z_5)$
$\omega_{\omega}^{L_{\alpha+1}}$ 。 对应证明论序数 $\text{PTO}(Z_{\omega})$
$\omega_{\omega_1}^{L_{\alpha+1}}$
$\omega_{\omega_2}^{L_{\alpha+1}}$
$\omega_{\omega_{\omega}}^{L_{\alpha+1}}$
$\omega_{(1,0)}^{L_{\alpha+1}}$
$\omega_{(1,0,0)}^{L_{\alpha+1}}$
$\omega_{(1 \oplus \omega)}^{L_{\alpha+1}}$
.....
$L_{\alpha+1}$ 中的幂容许基数， 即 $(\Sigma_1 - \text{WC})^{L_{\alpha+1}}$
$L_{\alpha+1}$ 中的基数稳定层级， 即 $(V_{\alpha} \rightarrow_{\Sigma_1} V_{\beta})^{L_{\alpha+1}}$
$L_{\alpha+1}$ 中的 $\Sigma_2$ 世界基数， 即 $(\Sigma_2 - \text{WC})^{L_{\alpha+1}}$
$L_{\alpha+1}$ 中的基数 $\Sigma_2$ 稳定层级， 即 $(V_{\alpha} \rightarrow_{\Sigma_2} V_{\beta})^{L_{\alpha+1}}$
.....

间隙序数与初等嵌入
$L_{\alpha+1}$ 中的世界基数。 对应证明论序数: $\text{PTO}(\text{ZFC})$ 。 与此同时, 它还是 $L_{\alpha+1}$ 中的不可达基数。
$\Sigma_1$ - 完全稳定
$\Sigma_2$ - 完全稳定
$\Sigma_3$ - 完全稳定
$\Sigma_\omega$ - 完全稳定
.....
$\omega_1^L$ , $L$ 中的 $\omega_1$ 。
.....
$L_{\alpha+1}$ 中的 2 个世界基数。 对应证明论序数: $\text{PTO}(\text{ZFC} + \text{there is a worldly cardinal})$ 。
$L_{\alpha+1}$ 中的 $\omega$ 个世界基数。 对应证明论序数: $\text{PTO}(\text{ZFC} + \text{there is a proper class of worldly cardinals})$ 。
.....
$L_{\alpha+2}$ 中的世界基数。
$L_{\alpha \times 2}$ 中的世界基数。
$L_{\alpha+1}$ 中的初等嵌入 $j : V_\alpha \rightarrow V_\beta$
$L_{\alpha+1}$ 中的初等嵌入 $j : V_\alpha \rightarrow V_\beta$ 的 $\omega$ -ply
$L_{\alpha+2}$ 中的不可达基数
$L_{\alpha+2}$ 中的初等嵌入 $j : V_{\alpha+1} \rightarrow V_{\beta+1}$
$L_{\alpha+\omega}$ 中的不可达基数
$L_{\alpha+2}$ 中的初等嵌入 $j : V_{\alpha+1} \rightarrow V_{\beta+1}$
$L_{\alpha+2}$ 中的初等嵌入 $j : V_{\alpha+1} \rightarrow V_{\beta+1}$
$L_{\alpha+\omega}$ 中的不可达基数
$L_{\alpha+1}$ 中的马洛基数。
$L_{\alpha+n}$ 中的弱紧致基数。 (它至少要放进 $L_{\alpha+\omega}$ 中)。

间隙序数与初等嵌入
$L_{\alpha+n}$ 中的各类不可描述基数。
.....
$L_{\alpha+n}$ 中的各种大基数。
.....
非平凡初等嵌入 $j : L \rightarrow L$ 的关键点。





## 附录 D 证明论序数表

本表内容引自 [62,173-174]。表中第一列为利用 OCF 或其他记号表示出的序数，其中方括号外的为原表之中的记法，各论文中的约定很不相同；方括号内的为转换成大数数学中通用的 MOCF 的记法，可能不准确。由于篇幅所限，有时我们要将同一个较长的公理分开来写。若同一格中前行末尾和后行开头以  $-$  相连，则它们代表的是同一个公理体系的名字。表中  $n$  是自然数， $\nu$  是任意非零序数， $\gamma$  是极限序数。

### D.1 ZFC 以下的证明论序数

证明论序数	算术论体系	集合论体系	其他体系
$-$	$Q$	$KP^-$	
$\omega^2$	RFA $I\Delta_0$		
$\omega^3$	$RCA_0^*$ $WKL_0^*$ $I\Delta_0 + \exp$		
$\omega^n$	$I\Delta_0 + \mathcal{E}_n$ is total		
$\omega^\omega$ [175-176]	$RCA_0$ $WKL_0$ PRA $RCA_0^2$	CPRC $KP^- + \Pi_1^{\text{set}} -$ $-Foundation + IND$	
$\omega^{\omega^{\omega}}$ [177]	$RCA_0 + (\Pi_2^0)^- - IND$		
$\omega \uparrow\uparrow (n+2)$ [178]	$I\Sigma_{n+1}$		
$\varepsilon_0$ [179-180]	PA $ACA_0$ $\Delta_1^1 - CA_0$ $\Sigma_1^1 - AC_0$	$KP^{-\infty}$	$EM_0$
$\varepsilon_1$	$ACA_0 + KPHT$		

证明论序数	算术论体系	集合论体系	其他体系
$\varepsilon_\omega$ [181-182]	$\text{ACA}_0 + \text{iRT}$ $\text{RCA}_0 + \forall Y \forall n \exists X -$ $-(\text{TJ}(n, X, Y))$		
$\varepsilon_{\varepsilon_0}$ [183]	$\text{ACA}$ $\text{FP}_n - \text{ACA}'_0$ $\text{FP}_n - \text{ACA}'$		
$\zeta_0$ $\psi_{\Omega_1}(\Omega)$ $[\psi(\Omega)]$ [184,182,185]	$\text{ACA}_0 + \forall X \exists Y -$ $-(\text{TJ}(\omega, X, Y))$ $\text{ACA}_0 + (\text{BR})$ $\text{p}_1(\text{ACA}_0)$		
$\varphi(2, \varepsilon_0)$ [184]	$\text{ACA} + \forall X \exists Y -$ $-(\text{TJ}(\omega, X, Y))$ $\text{RFN}$		
$\varphi(\omega, 0)$ $\psi_{\Omega_1}(\Omega^\omega)$ $[\psi(\Omega^\omega)]$ [182,186]	$\Delta_1^1 - \text{CR}$ $\text{RCA}_0^* + \Pi_1^1 - \text{CA}^-$ $\Sigma_1^1 - \text{DC}_0$		$\text{ID}_1^\#$ $\text{EM}_0 + \text{JR}$ $\text{PID}$ $\text{Acc} - \text{ID}(\text{Acc})$ $(\Pi_0^0(\text{P})\text{P} \cup \text{N}) -$ $-\text{ID})$ $(\Pi_0^0(\text{P}), \text{P} \wedge \text{N}) -$ $-\text{ID}(\text{Acc})$
$\varphi(\nu + 1, 0)$ [182]	$\text{ACA}_0 + \forall X \exists Y -$ $-(\text{TJ}(\omega^\nu, X, Y))$		
$\psi_{\Omega_1}(\Omega^{\varepsilon_0})$ $[\psi(\Omega^{\varepsilon_0})]$ [186-187]	$\Delta_1^1 - \text{CA}$ $\Sigma_1^1 - \text{AC}$ $(\Pi_1^0 - \text{CA})_{<\varepsilon_0}$		
$\psi_{\Omega_1}(\Omega^{\psi_{\Omega_1}(\Omega^\omega)})$ $[\psi(\Omega^{\psi(\Omega^\omega)})]$ [188]		$\text{PRS } \omega$	
$\Gamma_0$ $\psi_{\Omega_1}(\Omega^\Omega)$ $[\psi(\Omega^\Omega)]$ [175,189,180] [190-191]	$\text{ATR}_0$ $\Delta_1^1 - \text{CA} + \text{BR}$ $\text{RCA}_0 + \Sigma_1^0 - \text{RT}$ $\text{RCA}_0 + \Delta_1^0 - \text{RT}$ $\text{ACA}_0 + \Delta_1^0 - \text{det.}$ $\text{ACA}_0 + \Sigma_1^0 - \text{det.}$ $\text{FP}_0$	$\text{KPi}^-$ $\text{CZF}^- + \text{INAC}$	$\widehat{\text{ID}}_{<\omega}$ $\widehat{\text{ID}}^*$ $\text{ML}_{<\omega}$ $\text{MLU}$ $\text{U(PA)}$

证明论序数	算术论体系	集合论体系	其他体系
$\varphi(1, 0, \omega^\omega)$ [192]		$KPI^0 + (\Sigma_1 - I_\omega)$	
$\varphi(1, 0, \varepsilon_0)$ [185, 193]	ATR		$\widehat{ID}_\omega$
$\psi_{\Omega_1}(\Omega^{\Omega+1})$ [ $\psi(\Omega^{\Omega+1})$ ]	$RCA_0 + \forall X \exists M -$ $-(X \in M \wedge M -$ $- \models_\omega ATR_0)$		
$\psi_{\Omega_1}(\Omega^{\Omega+\omega})$ [ $\psi(\Omega^{\Omega+\omega})$ ] [185]	$ATR_0 + \Sigma_1^1 - DC$		$\widehat{ID}_{<\omega^\omega}$
$\psi_{\Omega_1}(\Omega^{\Omega+\varepsilon_0})$ [ $\psi(\Omega^{\Omega+\varepsilon_0})$ ] [185]	$ATR + \Sigma_1^1 - DC$		$\widehat{ID}_{<\varepsilon_0}$
$\psi_{\Omega_1}(\Omega^{\Omega+\Gamma_0})$ [ $\psi(\Omega^{\Omega+\Gamma_0})$ ]			$\widehat{ID}_{<\Gamma_0}$ MLS
$\varphi(2, 0, 0)$ [192]	FTR <sub>0</sub>	KPh <sup>-</sup>	Aut( $\widehat{ID}$ )
$\varphi(2, 0, \varepsilon_0)$ [192]	FTR		
$\varphi(2, \varepsilon_0, 0)$ [192]		$KPh^0 + (F - I_\omega)$	
$\psi_{\Omega_1}(\Omega^{\Omega \cdot \omega})$ [ $\psi(\Omega^{\Omega \cdot \omega})$ ]		KPM <sup>-</sup>	
$\varphi(\varepsilon_0, 0, 0)$ [185]	$\Sigma_1^1 - TDC$		
$\varphi(1, 0, 0, 0)$ [185]	$p_1(\Sigma_1^1 - TDC_0)$		
$\psi_{\Omega_1}(\Omega^{\Omega^\omega})$ [ $\psi(\Omega^{\Omega^\omega})$ ] [194, 185]	$RCA_0^* + \Pi_1^1 - CA^-$ $p_3(ACA_0)$		FIT TID
$\vartheta(\Omega^\Omega)$ [185]	$p_1(p_3(ACA_0))$		
$\theta_{(n+2)(\Omega^\omega)}0$ [194, 175, 195]	$ACA_0 + \Pi_{n+2}^1 - BI$ $\Pi_{n+1}^1 - RFN$ $(\Pi_{n+2}^1 - BI)_0$ $(\Pi_{n+2}^1 - BI)_0^-$	$KP\omega^- + \Pi_{n+2}^{set} -$ $- Foundation$	
$\theta_{(n+2)(\Omega^\omega)}0$ [175, 195]	$ACA + \Pi_{n+2}^1 - BI$ $(\Pi_{n+2}^1 - BI^-)$	$KP\omega^- + IND + \Pi_{n+2}^{set} -$ $- Foundation$	

证明论序数	算术论体系	集合论体系	其他体系
$\psi_{\Omega_1}(\varepsilon_{\Omega+1})$ $[\psi(\psi_1(0))]$ [187,177] [196-197]	ACA + BI $\text{ACA}_0 + \Pi_1^1 - \text{CA}^-$ $\Pi_1^0 - \text{FXP}_0$	KP $\text{KP} + \Pi_2^{\text{set}} -$ $- \text{Reflection}$ $\text{KP} + (\text{BI}^*)$ $\text{KP} + (\text{ATR}_0^*)$ CZF $\text{KP}_{\omega_2} \upharpoonright + \Delta_1 -$ $- \text{CA} + s\Pi_1^1 - \text{ref}$	$\text{ID}_1$ $\text{ID}_1^2$ $\text{ML}_1 \vee$
$\psi_{\Omega_1}(\zeta_{\Omega+1})$ $[\psi(\Omega_2)]$	$\text{RCA}_0 + \forall X \exists M -$ $-(X \in M \wedge M \models_{\omega} -$ $- \text{ACA} + \text{BI})$		
$\psi_{\Omega_1}(\Gamma_{\Omega+1})$ $[\psi(\Omega_2^{\Omega_2})]$ [198]	$\text{ATR}_0^\bullet$ $\text{FP}_0^\bullet$ $\Sigma_1^1 - \text{DC}_0^\bullet + (\text{SUB}^\bullet)$ $\Sigma_1^1 - \text{AC}_0^\bullet + (\text{SUB}^\bullet)$		$\widehat{\text{ID}}_{<\omega}^\bullet$ $\mathcal{U}(\text{ID}_1)$
$\psi_{\Omega_1}(\varepsilon_{\Omega_2+1})$ $[\psi(\psi_2(0))]$		$\text{KP} + \exists \omega_1^{\text{ck}}$	$\text{ID}_2$ $\text{ID}_2^2$
$\psi_{\Omega_1}(\Omega_\omega)$ $[\psi(\Omega_\omega)]$ [187,180]	$\Pi_1^1 - \text{CA}_0$ $\Delta_2^1 - \text{CA}_0$ $\text{RCA}_0 + \Sigma_1^0 \wedge \Pi_1^0 - \text{det.}$ $\text{RCA}_0 + \Delta_2^0 - \text{RT}$	$\text{KPI}^r$ $\text{KPi}^r$ $\text{KP}\beta^r$	$\text{ID}_{<\omega}$ $(\text{ID}_{<\omega}^2)_0$
$\psi_0(\Omega_\omega \cdot \omega^\omega)$ $[\psi(\Omega_\omega \cdot \omega^\omega)]$ [199-200]	$\Pi_1^1 - \text{CA}_0 + \Pi_2^1 - \text{IND}$		
$\psi_{\Omega_1}(\Omega_\omega \cdot \varepsilon_0)$ $[\psi(\Omega_\omega \cdot \varepsilon_0)]$ [201]	$\Pi_1^1 - \text{CA}$	W-KPI	$\text{W} - \text{ID}_\omega$ $\text{ID}_{<\omega}^2$
$\psi_{\Omega_1}(\Omega_\omega \cdot \Omega)$ $[\psi(\Omega_\omega \cdot \Omega)]$ [201]	$\Pi_1^1 - \text{CA} + \text{BR}$		
$\psi_0(\Omega_\omega^\omega)$ $[\psi(\Omega_\omega^\omega)]$ [199-200]	$\Pi_1^1 - \text{CA}_0 + \Pi_2^1 - \text{BI}$		
$\psi_0(\Omega_\omega^{\omega^\omega})$ $[\psi(\Omega_\omega^{\omega^\omega})]$ [199-200]	$\Pi_1^1 - \text{CA}_0 + \Pi_2^1 -$ $- \text{BI} + \Pi_3^1 - \text{IND}$		

证明论序数	算术论体系	集合论体系	其他体系
$\psi_{\Omega_1}(\varepsilon_{\Omega_\omega+1})$ [ $\psi(\psi_\omega(0))$ ] [201-202]	$\Pi_1^1 - \text{CA} + \text{BI}$	KPI	$\text{ID}_\omega$ $\text{BID}_\omega^2$
$\psi_{\Omega_1}(\Omega_{\omega^\omega})$ [ $\psi(\Omega_{\omega^\omega})$ ] [202]	$\Delta_2^1 - \text{CR}$ $(\Pi_1^1 - \text{CA}_{<\omega^\omega})$	$\text{KPI}_{\omega^\omega}^r$	$\text{ID}_{<\omega^\omega}$
$\psi_{\Omega_1}(\Omega_{\varepsilon_0})$ [ $\psi(\Omega_{\varepsilon_0})$ ] [187]	$\Delta_2^1 - \text{CA}$ $\Sigma_2^1 - \text{AC}$ $(\Pi_1^1 - \text{CA}_{<\varepsilon_0})$	$\text{KPI}_{\varepsilon_0}^r$ $\text{W} - \text{KPi}$ $\text{W} - \text{KP}\beta$	$\text{ID}_{<\varepsilon_0}$ $\text{ID}_{<\varepsilon_0}^2$ $\text{BID}_{<\varepsilon_0}^2$
$\psi_\Omega(\Omega_{\nu \cdot \omega})$ [ $\psi(\Omega_{\nu \cdot \omega})$ ] [203]	$(\Pi_1^1 - \text{CA}_\nu^+)_0$	$\text{KPI}_{\nu+}^r$	$\text{ID}_{<\nu \cdot \omega}$ $(\text{PID}_\nu^2)_0$
$\psi_\Omega(\Omega_\gamma \cdot \omega)$ [ $\psi(\Omega_\gamma \cdot \omega)$ ] [203]	$(\Pi_1^1 - \text{CA}_{\gamma-})_0$	$\text{KPI}_\gamma^r$	$(\text{NUID}_\gamma^2)_0$
$\psi_\Omega(\Omega_{\nu \cdot \omega} \cdot \varepsilon_0)$ [ $\psi(\Omega_{\nu \cdot \omega} \cdot \varepsilon_0)$ ] [203]	$\Pi_1^1 - \text{CA}_\nu^+$	$\text{W} - \text{KPI}_{\nu+}$	$\text{W} - \text{ID}_{\nu\omega}$ $\text{PID}_\nu^2$
$\psi_{\Omega_1}(\Omega_\gamma \cdot \varepsilon_0)$ [ $\psi(\Omega_\gamma \cdot \varepsilon_0)$ ] [187, 203]	$(\Pi_1^1 - \text{CA}_\gamma)$ $\Pi_1^1 - \text{CA}_{\gamma-}$	$\text{W} - \text{KPI}_\gamma$	$\text{W} - \text{ID}_\gamma$ $\text{ID}_\gamma^2$ $\text{NUID}_\gamma^2$
$\psi_\Omega(\Omega_{\nu \cdot \omega} \cdot \Omega)$ [ $\psi(\Omega_{\nu \cdot \omega} \cdot \Omega)$ ] [203]	$\Pi_1^1 - \text{CA}_\nu^+ + \text{BR}$		$\text{PID}_\nu^2 + \text{BR}$
$\psi_\Omega(\Omega_\gamma \cdot \Omega)$ [ $\psi(\Omega_\gamma \cdot \Omega)$ ] [203]	$\Pi_1^1 - \text{CA}_{\gamma-} + \text{BR}$		$\text{NUID}_\gamma^2 + \text{BR}$
$\psi_{\Omega_1}(\Omega_{\omega^\gamma})$ [ $\psi(\Omega_{\omega^\gamma})$ ] [187]	$(\Pi_1^1 - \text{CA}_{\omega^\gamma})_0$ $(\Pi_1^1 - \text{CA}_{<\omega^\gamma})$ $(\Pi_1^1 - \text{CA}_{<\omega^\gamma}) + \text{BI}$		$(\text{ID}_{\omega^\gamma}^2)_0$ $\text{ID}_{<\omega^\gamma}$ $\text{BID}_{<\omega^\gamma}^2$ $(\text{ID}_{<\nu}^2) + \text{BI}$
$\psi_\Omega(\varepsilon_{\Omega_\nu+1})$ [ $\psi(\psi_\nu(0))$ ] [203]	$(\Pi_1^1 - \text{CA}_\nu)_0$	$\text{KPI}_\nu$	$\text{ID}_\nu$ $(\text{ID}_\nu^2)_0$
$\psi_\Omega(\varepsilon_{\Omega_\nu+\varepsilon_0})$ [ $\psi(\psi_\nu(\varepsilon_0))$ ] [203]	$\Pi_1^1 - \text{CA}_\nu$		$\text{ID}_\nu^2$
$\psi_\Omega(\varepsilon_{\Omega_\nu+\Omega})$ [ $\psi(\psi_\nu(\Omega))$ ] [203]	$\Pi_1^1 - \text{CA}_\nu + \text{BR}$		$\text{ID}_\nu^2 + \text{BR}$

证明论序数	算术论体系	集合论体系	其他体系
$\psi_{\Omega}(\varepsilon_{\Omega_{\nu}+1})$ [203]			$\text{BID}_{\nu}^2$
$\psi_{\Omega}(\varepsilon_{\Omega_{\nu+1}+1})$ [203]	$\Pi_1^1 - \text{CA}_{\nu} + \text{BI}$	$\text{KPI}_{\nu+1}$	$\text{ID}_{\nu+1}$ $\text{ID}_{\nu}^2 + \text{BI}$
$\psi_{\Omega}(\varepsilon_{\Omega_{\nu \cdot \omega}+1})$ [203]	$\Pi_1^1 - \text{CA}_{\nu}^+ + \text{BI}$	$\text{KPI}_{\nu+}$	$\text{ID}_{\nu\omega}$ $\text{PID}_{\nu}^2 + \text{BI}$ $\text{PBID}_{\nu}^2$
$\psi_{\Omega_1}(\varepsilon_{\Omega_{\gamma}+1})$ [187, 203-204]	$(\Pi_1^1 - \text{CA}_{\gamma})_0$ $(\Pi_1^1 - \text{CA}_{\gamma}) + \text{BI}$ $\Pi_1^1 - \text{CA}_{\gamma-} + \text{BI}$	$\text{KPI}_{\gamma}$	$\text{ID}_{\gamma}$ $(\text{ID}_{\gamma}^2)_0$ $\text{ID}_{\gamma}^i(\mathcal{O})\text{BID}_{\nu}^2$ $\text{ID}_{\gamma}^2 + \text{BI}$ $\text{NUID}_{\gamma}^2 + \text{BI}$ $\text{NUBID}_{\gamma}^2$
$\psi_{\Omega_1}(\varepsilon_{\Omega_{\Omega}+1})$ [205]		$\text{KPI}^*$ $\text{KPI}_{\Omega}^r$	$\text{ID}_{\prec}^*$ $\text{BID}^{2*}$ $\text{ID}^{2*} + \text{BI2}$
$\psi_{\Omega_1}(\psi_I(0))$ [205]	$\Pi_1^1 - \text{TR}_0$ $\Pi_1^1 - \text{TR}_0 + \Delta_2^1 - \text{CA}_0$ $\Delta_2^1 - \text{CA} + \text{BI} -$ $- (\text{impl} - \Sigma_2^1)$ $\Delta_2^1 - \text{CA} + \text{BR} -$ $- (\text{impl} - \Sigma_2^1)$ $\text{RCA}_0 + \Delta_2^0\text{-det.}$ $\text{RCA}_0 + \Delta_1^1 - \text{RT}$	$\text{Aut} - \text{KPI}^r$ $\text{Aut} - \text{KPI}^r + \text{KPi}^r$ $\text{KPi}^w + \text{FOUNDR} -$ $- (\text{impl} - \Sigma)$ $\text{KPi}^w + \text{FOUND} -$ $- (\text{impl} - \Sigma)$	$\text{Aut} - \text{ID}_0^{\text{pos}}$ $\text{Aut} - \text{ID}_0^{\text{mon}}$
$\psi_{\Omega_1}(\psi_I(0) \cdot \varepsilon_0)$ [205]	$\Pi_1^1 - \text{TR}$	$\text{W} - \text{Aut} - \text{KPI}$	$\text{Aut} - \text{ID}^{\text{pos}}$ $\text{Aut} - \text{ID}^{\text{mon}}$ $\text{Aut} - \text{KPI}^w$
$\psi_{\Omega_1}(\psi_{\Omega_{\psi_I(0)+1}}(0))$ [205]	$\Pi_1^1 - \text{TR} + \text{BI}$	$\text{Aut} - \text{KPI}$	$\text{Aut} - \text{ID}_2^{\text{pos}}$ $\text{Aut} - \text{ID}_2^{\text{mon}}$ $\text{Aut} - \text{BID}$
$\psi_{\Omega_1}(\psi_I(I^{\omega}))$ [205]	$\Delta_2^1 - \text{TR}_0$ $\Sigma_2^1 - \text{TRDC}_0$ $\Delta_2^1 - \text{CA}_0 -$ $+ \Sigma_2^1 - \text{BI}$		$\text{KPi}^r + (\Sigma -$ $- \text{FOUND})$ $\text{KPi}^r + (\Sigma -$ $- \text{REC})$

证明论序数	算术论体系	集合论体系	其他体系
$\psi_{\Omega_1}(\psi_I(I^{\varepsilon_0}))$ [205]	$\Delta_2^1 - \text{TR}$ $\Sigma_2^1 - \text{TRDC}$ $\Delta_2^1 - \text{CA} -$ $+\Sigma_2^1 - \text{BI}$		$\text{KPi}^w + (\Sigma -$ $-\text{FOUND})$ $\text{KPi}^w + (\Sigma -$ $-\text{REC})$
$\psi_{\Omega_1}(\varepsilon_{I+1})$ [205,187]	$\Delta_2^1 - \text{CA} + \text{BI}$ $\Sigma_2^1 - \text{AC} + \text{BI}$	$\text{KPi}$ $\text{KP}\beta$ $\text{CZF} + \text{REA}$	$\text{T}_0$
$\psi_{\Omega_1}(\Omega_{I+\omega})$		$\text{KPi}^+$	$\text{ML}_1 \text{ W}$ $\text{KP}_1 \text{ W}$ $\text{IARI}$
$\psi_{\Omega_1}(\varepsilon_{M+1})$ [206]	$\Delta_2^1 - \text{CA} + \text{BI} + (\text{M})$	$\text{KPM}$ $\text{CZFM}$	
$\psi_{\Omega_1}(\Omega_{M+\omega})$		$\text{KPM}^+$	$\text{MLM}$ $\text{Agda}$
$\Psi_{\Omega_1}^0(\varepsilon_{K+1})$ [207]	$\text{ACA} + \text{BI} + \Pi_4^1 -$ $-\beta\text{-model} - \text{Reflection}$	$\text{KP} + \Pi_3^{\text{set}} -$ $-\text{Reflection}$	
$\Psi_{\mathbb{X}}^{\varepsilon_{n+1}}$ [207-208]	$\text{ACA} + \text{BI} + \Pi_{n+5}^1 -$ $-\beta\text{-model} - \text{Reflection}$	$\text{KP} + \Pi_{n+4}^{\text{set}} -$ $-\text{Reflection}$	
$\Psi_{\mathbb{X}}^{\varepsilon_{\omega}+1}$ [208]	$\text{ACA} + \text{BI} -$ $-\beta\text{-model} - \text{Reflection}$	$\text{KP} + \Pi_{\omega}^{\text{set}} -$ $-\text{Reflection}$	
$\Psi_{\mathbb{H}}^{\varepsilon_{\gamma}+1}$ [208]		$\text{KPi} + \forall\alpha\exists\kappa -$ $-(L_{\kappa} \prec_1 L_{\kappa+\alpha})$	
$\psi(\Omega_{\mathbb{S}+\omega})$ [209]	$\Pi_1^1 - \text{CA}_0 + \Pi_2^1 - \text{CA}^-$	$\text{KPI}^r + \exists M -$ $-(\text{Trans}(M) \wedge M \prec_1 V)$	
$\Psi_{\mathbb{K}}^{\varepsilon_{I+1}}$ [210]	$\Delta_2^1 - \text{CA} + \text{BI} -$ $+\Pi_2^1 - \text{CA}^-$	$\text{KPi} + \exists M -$ $-(\text{Trans}(M) \wedge M \prec_1 V)$	
$\mathcal{I}_{\omega} \cap \omega_1^{\text{CK}}$ [210]	$\Pi_2^1 - \text{CA}_0$ $\Delta_3^1 - \text{CA}_0$		
$\mathcal{I}_{\omega+1} \cap \omega_1^{\text{CK}}$ [210]	$\Pi_2^1 - \text{CA} + \text{BI}$	$\text{KP} + \Sigma_1^{\text{set}} -$ $-\text{Separation}$ $\text{KPi} + \forall\alpha\exists\beta -$ $-\beta > \alpha(\beta \text{ stable})$	
$\mathcal{I}_{\varepsilon_0} \cap \omega_1^{\text{CK}}$ [210]	$\Delta_3^1 - \text{CA}$ $\Sigma_3^1 - \text{AC}$		

证明论序数	算术论体系	集合论体系	其他体系
maybe $\psi_{\Omega}(\varepsilon_{\mathbb{I}+1})$	$\Delta_3^1 - \text{CA} + \text{BI}$ $\Sigma_3^1 - \text{AC} + \text{BI}$ $\Sigma_3^1 - \text{DC} + \text{BI}$	$\text{KP} + \Delta_2^{\text{set}} -$ $-\text{Separation}$	
$\psi_{\Omega}(\varepsilon_{\mathbb{I}+1})$		$\text{KP} + \Pi_1^{\text{set}} -$ $-\text{Collection}$	
	$\Pi_{n+3}^1 - \text{CA} + \text{BI}$	$\text{KP} + \Sigma_{n+2}^{\text{set}} -$ $-\text{Separation}$	
	$\Pi_{n+3}^1 - \text{CA} -$ $+\Sigma_{n+3}^1 - \text{AC} + \text{BI}$	$\text{KP}^- + \Sigma_{n+2}^{\text{set}} -$ $-\text{Separation} + \Sigma_{n+2}^{\text{set}} -$ $-\text{Collection}$	
	$Z_2 = \Pi_{\infty}^1 - \text{CA}$ $\Delta_1^2 - \text{CA}_0$ $Z_2 + \Sigma_{\infty}^1 - \text{AC}$	$\text{KP} + \Sigma_{\omega}^{\text{set}} -$ $-\text{Separation}$ $\text{KP} + \Sigma_{\omega}^{\text{set}} -$ $-\text{Separation} + \Sigma_{\omega}^{\text{set}} -$ $-\text{Collection}$ $\text{ZFC}^- := \text{ZFC} -$ $-\text{Powerset}$	
	$Z_{n+3} = \Pi_{\infty}^{n+2} - \text{CA}$ $\Delta_1^{n+3} - \text{CA}_0$	$\text{ZFC}^- + V = L -$ $+\exists\omega_{n+1}$	
	$Z_{\infty} = \Pi_0^{\infty} - \text{CA}$	$Z$ $ZC$ $IZ$	
		$IZF = CZF -$ $+\text{Powerset} + \Pi_{\omega}^{\text{set}} -$ $-\text{Separation}$ $ZF = CZF + \text{LEM} -$ $= IZF + \text{LEM}$ $\text{ZFC}$ $\text{ZFC} + V = L$ $\text{AST}$ $\text{IST}$ $\text{NBG} = \text{GBC}$ $\text{GB}$	



## D.2 ZFC 相关证明论序数

对于这一部分序数，我们还不了解其具体取值，各个序数之间的顺序也是相对粗糙的。本节的内容可以为大基数表提供参考。

证明论序数
$S_0 = ( \text{Ext} ) + ( \text{Null} ) + ( \text{Pair} ) + ( \text{Union} ) + ( \text{Diff} )$ ("Rudimentary set theory")
$S_1 = S_0 + ( \text{Powerset} )$
$M_0 = S_1 + ( \Delta_0^{\text{set}} \text{-Separation} )$
$M_1 = M_0 + ( \text{Regularity} ) + ( \text{Transitive Containment} )$
$KP^- = S_0 + ( \text{Infinity} ) + ( \Delta_0^{\text{set}} \text{-Separation} ) + ( \Delta_0^{\text{set}} \text{-Collection} )$
$KP^{-\infty} = S_0 + ( \text{Foundation} ) + ( \Delta_0^{\text{set}} \text{-Separation} ) + ( \Delta_0^{\text{set}} \text{-Collection} )$
$KP = KP^{-\infty} + ( \text{Infinity} ) = KP^- + ( \text{Foundation} )$
$KPl = KP + ( \text{universe limit of admissible sets} )$
$KPi = KP + ( \text{recursively inaccessible universe} )$
$KPh = KP + ( \text{recursively hyperinaccessible universe} )$
$KPM = KP + ( \text{recursively Mahlo universe} )$
$ZBQC = M_0 + ( \text{Regularity} ) + ( \text{Infinity} ) + ( \text{Choice} )$ $NFU + ( \text{Infinity} ) + ( \text{Choice} )$
$MAC = M_1 + ( \text{Infinity} ) + ( \text{Choice} )$ $= ZBQC + ( \text{Transitive Containment} )$
$MOST = MAC + ( \Delta_0^{\text{set}} \text{-Collection} )$ $= ZBQC + KP + ( \Sigma_1^{\text{set}} \text{-Separation} )$
$Z = S_1 + ( \text{Regularity} ) + ( \text{Infinity} ) + ( \Sigma_{\omega}^{\text{set}} \text{-Separation} )$
$ZC = Z + ( \text{Choice} )$ $= ZBQC + ( \sigma_{\omega}^{\text{set}} \text{-Separation} )$
$MAC + \forall m ( \beth_m \text{ exists} )$ $NFU + ( \text{Infinity} ) + ( \text{Choice} )$
$Z + ( \Pi_2^{\text{set}} \text{-Replacement} )$ $NFU^* = NFU + ( \text{Counting} ) + ( \text{Strongly Cantorian Separation} )$
$Z + ( \Pi_m^{\text{set}} \text{-Replacement} )$
$ZF = Z + ( \Pi_{\omega}^{\text{set}} \text{-Replacement} )$ AST GB

证明论序数
ZFC = ZF + ( Choice ) NBG = GBC = GB + ( Global Choice )
ZFC + ( there is a worldly cardinal )
NBG+ (there is a stationary proper class of worldly cardinals)
NBG+(Class Forcing Theorem) NBG+(Clopen Class Game Determinacy)
MK = NBG + ( $\Pi_{\infty}^{\text{class}}$ - CA)
ZFC+ (there is an inaccessible cardinal) ZFC + ( $\Pi_1^1$ Perfect Set Property ) ZFC + ( $\Sigma_3^1$ Lebesgue measurability )
ZFC + ( there are $\omega$ inaccessible cardinals) ZFC + ( $\forall \alpha (\omega \leq \alpha \leq \aleph_{\omega} \Rightarrow  V_{\alpha} \cap L  =  \alpha )$ )
ZFC+ (there is a proper class of inaccessible cardinals) ZFC+(Grothendieck Universe Axiom)
ZFC + ( there is a $\Sigma_n^{\text{set}}$ -reflecting cardinal )
ZFC+ (there is a $\sigma_{\omega}^{\text{set}}$ -reflecting cardinal) ZFC+ (Ord is Mahlo)
ZFC + ( there is an uplifting cardinal) ZFC+(Resurrection Axioms)
ZFC + ( there is a Mahlo cardinal )
SMAH = ZFC + ( there is a $n$ -Mahlo cardinal ) $_{n \in \mathbb{N}}$ NFUA = NFU + ( Infinity ) + ( Cantorian Sets )
SMAH <sup>+</sup> = ZFC + $\forall n$ ( there is a $n$ -Mahlo cardinal )
MK + ( Ord is weakly compact ) GPK <sub><math>\infty</math></sub> <sup>+</sup> = GPK <sup>+</sup> + (Infinity ) NFUB =NFU + (Infinity ) + (Cantorian Sets ) + (Small Ordinals )
ZFC + ( there is a weakly compact cardinal ) ZFC + ( $\omega_2$ has the tree property )
ZFC + ( there is a totally indescribable cardinal)
ZFC + ( there is a subtle cardinal )
ZFC + ( there is an ineffable cardinal)
ZFC + $\forall \alpha (\alpha < \omega_1 \Rightarrow \text{there is a } \alpha\text{-Erdős cardinal } )$

证明论序数
$\text{ZFC} + (0^\sharp \text{ exists})$ $\text{ZFC} + (L \models \aleph_\omega \text{ is regular})$ $\text{ZFC} + \forall \alpha (\alpha \geq \omega \implies  V_\alpha \cap L  =  \alpha )$ $\text{ZFC} + (\text{parameter-free } \Sigma_1^1\text{-determinacy})$
$\text{ZFC} + \forall x (x \in \mathbb{R} \implies x^\sharp \text{ exists})$ $\text{ZFC} + (\Sigma_1^1\text{-determinacy})$
$\text{ZFC} + \forall x (x^\sharp \text{ exists})$ $\text{ZFC} + (\Sigma_2^1 \text{ universal Baireness})$
$\text{ZFC} + (\text{there is an } \omega_1\text{-Erdős cardinal})$ $\text{ZFC} + (\text{Chang's Conjecture})$
$\text{SRP} = \text{ZFC} + (\text{there is cardinal with the } n\text{-stationary Ramsey property})_{n \in \mathbb{N}}$
$\text{SRP}^+ = \text{ZFC} + \forall n (\text{there is a cardinal with the } n\text{-stationary Ramsey property})$
$\text{MK} + (\text{Ord is measurable})$ $\text{NFUM} = \text{NFU} + (\text{Infinity}) + (\text{Large Ordinals}) + (\text{Small Ordinals})$
$\text{ZFM} = \text{ZFC} + (\text{there is a measurable cardinal})$ $\text{ZFC} + (\text{NS}_{\omega_1} \text{ is precipitous})$ $\text{ZF} + (\omega_1 \text{ is measurable})$
$\text{ZFC} + (\text{there is a measurable cardinal } \kappa \text{ such that } o(\kappa) = 2)$ $\text{ZFC} + (\text{NS}_{\omega_2} \text{ is precipitous})$
$\text{ZFC} + (\text{there is a measurable cardinal } \kappa \text{ such that } o(\kappa) = \kappa^{++})$ $\text{ZFC} + \neg \text{SCH}$ $\text{ZFC} + (2^{\aleph_\omega} = \aleph_{\omega+2})$
$\text{ZFC} + (\text{Ord is Woodin})$ $\text{ZFC} + \neg \text{SCH}$ $\text{Z}_2 + (\Delta_2^1\text{-determinacy}) \text{ (conjectural)}$
$\text{MK} + (\text{Ord is Woodin})$ $\text{ZFC} + \neg \text{SCH}$ $\text{Z}_3 + (\text{lightface } \Delta_2^1\text{-determinacy})$
$\text{NBG} + (\text{Ord is Woodin})$ $\text{ZFC} + \neg \text{SCH}$ $\text{Z}_3 + (\Delta_2^1\text{-determinacy})$
$\text{ZFC} + (\text{there is a Woodin cardinal})$ $\text{ZFC} + (\Delta_2^1\text{-determinacy})$ $\text{ZFC} + (\text{OD} \models \text{AD})$ $\text{ZFC} + (\text{NS}_{\omega_1} \text{ is } \omega_2\text{-saturated})$
$\text{ZFC} + (\text{there are } n \text{ Woodin cardinals})_{n \in \mathbb{N}}$ $\text{Z}_2 + (\text{PD})$

证明论序数
$\text{ZFC} + (\text{there are } \omega \text{ Woodin cardinals})$ $\text{ZF} + (\text{AD})$ $\text{ZFC} + (L(\mathbb{R}) \models \text{AD})$ $\text{ZFC} + (\text{OD}(\mathbb{R}) \models \text{AD})$
$\text{ZF} + \text{DC} + (\omega_1 \text{ is } \mathcal{P}(\omega_1)\text{-strongly compact})$ $\text{ZFC} + (\text{NS}_{\omega_1} \text{ is } \omega_1\text{-dense})$
$\text{ZF} + \text{DC} + (\omega_1 \text{ is } \mathcal{P}(\mathbb{R})\text{-strongly compact})$ $\text{ZF} + \text{DC} + (\text{AD}_{\mathbb{R}})$
$\text{ZFC} + (\text{there is a superstrong cardinal})$
$\text{ZFC} + (\text{there is a subcompact cardinal})$ $\text{ZFC} + (V = L[\vec{E}]) + \exists \kappa (\neg \square_\kappa)$
$\text{ZFC} + (\text{there is a strongly compact cardinal})$ $\text{ZFC} + (\text{Proper Forcing Axiom})$
$\text{ZFC} + (\text{there is a supercompact cardinal})$ $\text{ZFC} + (\text{Martin's Maximum})$
$\text{ZFC} + \forall n (\text{there is a proper class of } C^{(n)}\text{-extendible cardinals})$ $\text{ZFC} + (\text{Vopěnka's Principle})$
$\text{ZFC} + (\text{there is a high-jump cardinal})$
$\text{HUGE} = \text{ZFC} + (\text{there is a } n\text{-huge cardinal})_{n \in \mathbb{N}}$
$\text{ZFC} + (\text{Wholeness Axiom } \text{WA}_n)$
$\text{ZFC} + \text{I3} = \text{ZFC} + \exists \lambda (E_0(\lambda))$
$\text{ZFC} + \text{I2} = \text{ZFC} + \exists \lambda (E_1(\lambda))$
$\text{ZFC} + \text{I1} = \text{ZFC} + \exists \lambda (E_\omega(\lambda))$
$\text{ZFC} + \text{I0}$
$\text{ZF} + \text{DC} + \exists \lambda \exists j : V_{\lambda+2} \prec_{\Sigma_\omega^{\text{set}}} V_{\lambda+2}$
$\text{ZF}_j + \text{DC} + (\text{there is a Reinhardt cardinal})$
$\text{ZF} + \text{DC} + (\text{there is a Berkeley cardinal})$

# 附录 E 有名字的序数

本附录内容引自 [211,62]，有所改动。本附录内容更新至 2025 年。

名称	取值
首个超限序数 (First Transfinite Ordinal) (FTO)	$(0)(1)$ $\omega$
线性数阵序数 (Linar Array Ord) (LAO)	$(0)(1)(2)$ $\omega^\omega$
小 Cantor 序数 (Small Cantor's Ordinal) (SCO)	$(0,0)(1,1)$ $\varepsilon_0$ $\phi(1,0)$ $\psi(0)$ (MOCF) $\psi(\Omega)$ (BOCF)
Cantor 序数 (Cantor's Ordinal) (CO)	$(0,0)(1,1)(2,1)$ $\zeta_0$ $\phi(2,0)$ $\psi(\Omega)$ (MOCF) $\psi(\Omega^2)$ (BOCF)
大 Cantor 序数 (Large Cantor's Ordinal) (LCO)	$(0,0)(1,1)(2,1)(2,1)$ $\eta_0$ $\phi(3,0)$ $\psi(\Omega^2)$ (MOCF) $\psi(\Omega^3)$ (BOCF)
超 Cantor 序数 (Hyper Cantor's Ordinal) (HCO)	$(0,0)(1,1)(2,1)(3,0)$ $\varphi(\omega,0)$ $\psi(\Omega^\omega)$ (MOCF) $\psi(\Omega^\omega)$ (BOCF)

名称	取值
Feferman-Schütte 序数 (Feferman-Schütte Ordinal) (FSO)	$(0, 0)(1, 1)(2, 1)(3, 1)$ $\varphi(1, 0, 0)$ $\Gamma_0$ $\psi(\Omega^\Omega)$ (MOCF) $\psi(\Omega^\Omega)$ (BOCF)
Ackermann 序数 (Ackermann Ordinal) (ACO)	$(0, 0)(1, 1)(2, 1)(3, 1)(3, 1)$ $\varphi(1, 0, 0, 0)$ $\psi(\Omega^{\Omega^2})$ (MOCF) $\psi(\Omega^{\Omega^2})$ (BOCF)
小 Veblen 序数 (Small Veblen Ordinal) (SVO)	$(0, 0)(1, 1)(2, 1)(3, 1)(4, 0)$ $\varphi(1@ \omega)$ $\psi(\Omega^{\Omega^\omega})$ (MOCF) $\psi(\Omega^{\Omega^\omega})$ (BOCF)
大 Veblen 序数 (Large Veblen Ordinal) (LVO)	$(0, 0)(1, 1)(2, 1)(3, 1)(4, 1)$ $\varphi(1@(1, 0))$ $\psi(\Omega^{\Omega^\Omega})$ (MOCF) $\psi(\Omega^{\Omega^\Omega})$ (BOCF)
扩展小 Veblen 序数 (Extended Small Veblen Ordinal) (ESVO)	$(0, 0)(1, 1)(2, 1)(3, 1)(4, 1)(5, 0)$ $\psi(\Omega^{\Omega^{\Omega^\omega}})$ (MOCF) $\psi(\Omega^{\Omega^{\Omega^\omega}})$ (BOCF)
扩展大 Veblen 序数 (Extended Large Veblen Ordinal) (ELVO)	$(0, 0)(1, 1)(2, 1)(3, 1)(4, 1)(5, 1)$ $\psi(\Omega^{\Omega^{\Omega^\Omega}})$ (MOCF) $\psi(\Omega^{\Omega^{\Omega^\Omega}})$ (BOCF)
Bachmann-Howard 序数 (Bachmann-Howard Ordinal) (BHO)	$(0, 0)(1, 1)(2, 2)$ $\psi(\psi_1(0))$ (MOCF) $\psi(\Omega_2)$ (BOCF)
Buchholz 序数 (Buchholz's Ordinal) (BO)	$(0, 0, 0)(1, 1, 1)$ $\psi(\Omega_\omega)$ (MOCF) $\psi(\Omega_\omega)$ (BOCF)
Takeuti-Feferman-Buchholz 序数 (Takeuti-Feferman-Buchholz's Ordinal) (TFBO)	$(0, 0, 0)(1, 1, 1)(2, 1, 0)(3, 2, 0)$ $\psi(\psi_\omega(0))$ (MOCF) $\psi(\Omega_{\omega+1})$ (BOCF)

名称	取值
Bird 序数 (鸟之序数) (Bird's Ordinal) (BIO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)$ $\psi(\Omega_\Omega)$ (MOCF) $\psi(\Omega_\Omega)$ (BOCF)
扩展 Buchholz 序数 (Extended Buchholz's Ordinal) (EBO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(2, 0, 0)$ $\psi(\psi_I(0))$ (M-like) $\psi(I)$ (B-like)
Jäger 序数 (Jäger's Ordinal) (JO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 0)(4, 2, 0)$ $\psi(\psi_{\Omega_{I+1}}(0))$ (M-like) $\psi(\Omega_{I+1})$ (B-like)
小不可达序数 (Small Inaccessible Ordinal) (SIO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)$ $\psi(I_\omega)$ (M-like) $\psi(I_\omega)$ (B-like)
多重 Buchholz 序数 (Mutiply Buchholz's Ordinal) (MBO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 0, 0)$ $\psi(I(\omega, 0))$ (M-like) $\psi(I(\omega, 0))$ (B-like)
超限 Buchholz 序数 (Transfinty Buchholz's Ordinal) (TBO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 1, 0)(2, 0, 0)$ $\psi(\psi_{I(1,0,0)}(0))$ (M-like) $\psi(I(1, 0, 0))$ (B-like)
小 Rathjen 序数 (Small Rathjen's Ordinal) (SRO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 1, 0)(4, 2, 0)$ $\psi(\psi_{\Omega_{M+1}}(0))$ (M-like) $\psi(\Omega_{M+1})$ (B-like)
小 Mahlo 序数 (Small Mahlo Ordinal) (SMO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 1, 1)$ $\psi(M_\omega)$ (M-like) $\psi(M_\omega)$ (B-like)
小不可交换序数 (Small Nonconvertible Ordinal) (SNO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(3, 1, 1)$ $\psi(1 - 2 - 2 - 2)$ $\psi(N_\omega)$ (M-like) $\psi(N_\omega)$ (B-like)
Rathjen 序数 (Rathjen's Ordinal) (RO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(4, 1, 0)(5, 2, 0)$ $\psi(2 \text{ aft } 3)$ $\psi(\psi_{\Omega_{K+1}}(0))$ (M-like) $\psi(\Omega_{K+1})$ (B-like)

名称	取值
小弱紧致序数 (Small Weakly Compact Ordinal) (SKO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1)(4, 1, 1)$ $\psi(1 - 3)$ $\psi(K_\omega)$ (M-like) $\psi(K_\omega)$ (B-like)
Duchhart 序数 (Duchhart's Ordinal) (DO)	$(0, 0, 0)(1, 1, 1)(2, 1, 1)(3, 1, 1) -$ $-(4, 1, 1)(5, 1, 0)(6, 2, 0)$ $\psi(2 \text{ aft } 4)$ $\psi(\psi_{\Omega_{\Pi_4+1}}(0))$ (M-like) $\psi(\Omega_{\Pi_4+1})$ (B-like)
小 Stegert 序数 (Small Stegert Ordinal) (SSO)	$(0, 0, 0)(1, 1, 1)(2, 2, 0)$ $\psi(\Pi_\omega)$ $\psi(\lambda\alpha.(\alpha + 1) - \Pi_0)$
大 Stegert 序数 (Large Stegert Ordinal) (LSO)	$(0, 0, 0)(1, 1, 1)(2, 2, 0)(3, 2, 0)(4, 1, 0)(2, 0, 0)$ $\psi(\lambda\alpha.(\alpha \cdot 2) - \Pi_0)$
容许-非递归分离序数 (Admissible-parameter free effective cardinal Ordinal) (APO)	$(0, 0, 0)(1, 1, 1)(2, 2, 0)(3, 2, 0)(4, 1, 1)$ $\psi(\Pi_1 - (\lambda\alpha.\Omega_{\alpha+1} - \Pi_1))$
首个返回序数 (1st Back Gear Ordinal) (BGO)	$(0, 0, 0)(1, 1, 1)(2, 2, 1)$ $\psi(\Pi_1 - (\lambda\alpha.\Omega_{\alpha+2} - \Pi_1))$
小下降序数 (Small Dropping Ordinal) (SDO)	$(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 0, 0)$ $\psi(\lambda\alpha.\Omega_{\alpha+\omega} - \Pi_0)$
大下降序数 (Large Dropping Ordinal) (LDO)	$(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 2, 0)$ $\psi(\lambda\alpha.\Phi(1, \alpha + 1) - \Pi_0)$
双重 +1 稳定序数 (Doubly +1 Stable Ordinal) (DSO)	$(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 3, 0)$ $\psi(\lambda\alpha.(\lambda\beta.(\beta + 1) - \Pi_0) - \Pi_0)$
三重 +1 稳定序数 (Triply +1 Stable Ordinal) (TSO)	$(0, 0, 0)(1, 1, 1)(2, 2, 1)(3, 3, 1)(4, 4, 0)$ $\psi(\lambda\alpha.(\lambda\beta.(\lambda\gamma.(\gamma + 1) - \Pi_0) - \Pi_0) - \Pi_0)$



名称	取值
大 Rathjen 序数 (Large Rathjen's Ordinal) (LRO) 或称为 赝大 Rathjen 序数 (pseudo Large Rathjen's Ordinal) (pseudo LRO) (pLRO) 或称为 小 Bashicu 序数 (Small Bashicu Ordinal) (SBO)	$(0, 0, 0)(1, 1, 1)(2, 2, 2)$ $\psi(\omega - \pi - \Pi_0)$
最小 $\Sigma_2$ 稳定序数 (min $\Sigma_2$ Ordinal) (M2O)	$(0, 0, 0)(1, 1, 1)(2, 2, 2)(3, 2, 2)(4, 2, 2)(4, 2, 1)$ $\psi(\psi_a(\psi_b(a_{b+1}^{\Omega_{b+1}} \cdot \omega)))$
三行矩阵系统序数 (Trio Sequence System Ordinal) (TSSO)	$(0, 0, 0, 0)(1, 1, 1, 1)$ $\psi(\text{pseudo. } \omega - \text{projection})$
大常规投影序数 (Large Simple Projection Ordinal) (LSPO)	$(0, 0, 0, 0)(1, 1, 1, 1)(2, 1, 1, 1)(3, 1, 0, 0)(2, 0, 0, 0)$ $\psi(\min \alpha \text{ is } \alpha - \text{projection})$
大 Omega 返回序数 (Big Omega Back Ordinal) (BOBO)	$(0, 0, 0, 0)(1, 1, 1, 1)(2, 2, 2, 2)$
四行矩阵系统序数 (Quardo Sequence System Ordinal) (QSSO)	$(0, 0, 0, 0, 0)(1, 1, 1, 1, 1)$
小 Hydra 序数 (Small Hydra Ordinal) (SHO)	limit of BMS $Y(1, 3)$
$\Omega$ 行矩阵系统序数 ( $\Omega$ Sequence System Ordinal) ( $\Omega$ SSO)	$Y(1, 3, 4, 2, 5, 8, 10)$
禁戒 Hydra 序数 (No-Go Hydra Ordinal) (GHO) 或称为 过不去的 Hydra 序数 (Guo Bu Qu De Hydra Ordinal) (GBO)	$Y(1, 3, 4, 3)$

名称	取值
小 Y 序列序数 (Small Y-Sequence Ordinal) (SYO)	$Y(1, \omega)$
中等 Hydra 序数 (Medium Hydra Ordinal) (MHO)	$\omega - Y(1, \omega)$
三重 CA 序数 (Tribly CA Ordinal) (TCAO)	$\text{PTO}((\Pi_3^1 - \text{CA})_0)$
$Z_2$ 序数 (Beta Universe Ordinal) ( $\beta\text{O}$ )	$\text{PTO}(Z_2)$
Church-Kleene 序数 (Church-Kleene Ordinal) (CKO)	$\omega_1^{\text{CK}}$ $\Omega$
首个不可数序数 (First Uncountable Ordinal) (FUO)	$\omega_1$

## 附录 F 大基数表

本表引自文献<sup>[212]</sup>，略有改动。箭头表示两种基数间的直接蕴含或者相对一致性蕴含，或者二者皆有。

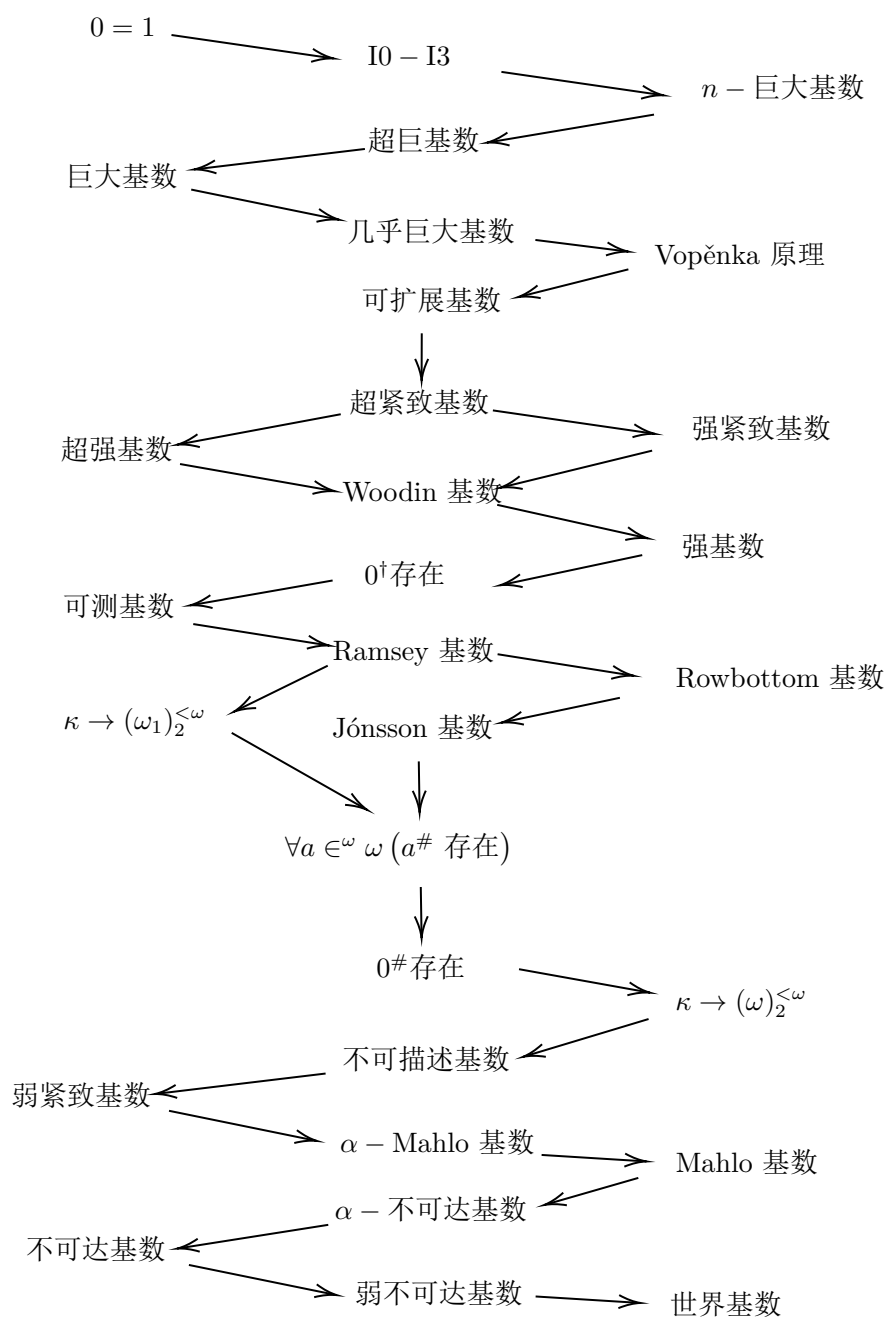


图 F.1: 大基数表。



# 附录 G 不同时期记号排名

本表内容引自<sup>[213]</sup>，更新至 2024 年。2014 年以前选取大数记号的前 30 名与序数记号的前 15 名，2014 年之后不区分大数记号与序数记号，共选取前 40 名，2024 年之后选取前 50 名。表中的排行为历史强度，即“在当年看来，各个记号之间的相对强度”。随着时间推移发现各个记号强度与预期不同的，不再改变此前的记录，而只在之后的记录之中更新。此前认为良定义的记号，在发现不良定义后将从榜单中除去。同一记号有多个不同版本的，只记录当年的最强版本。表中不包含非递归记号、不可计算函数和证明论序数，对于一些重要的记号只在提出当年额外作一说明。

## G.1 1980 年

排名	名称	提出者
	大数	
1	Graham's Function $G(n)$	Ronald Graham
2	Graham's Function $g(n)$	Ronald Graham
3	Hyperlicious Function	-
4	Ackermann's Function	Wilhelm Ackermann
5	Knuth's Up-Arrow	Donald Ervin Knuth
6	Hyper Operation	-
7	Down-Arrow	Donald Ervin Knuth
8	Sudan function	Sudan
9	Gödel numbers	Gödel
10	Grzegorzczuk's hierarchy	Grzegorzczuk
11	$G_n + 2(n)$ function	Milton Green
12	$B_n(n)$ function	Milton Green
13	$M_n + 2(n)$ function	Milton Green

排名	名称	提出者
14	Peter's function	Rosza Peter
15	Robinsion's function	Raphael M. Robinson
16	Buck's function	Buck
17	Robert's function	Robert Ritchie
18	Meyer-Ritchie function	Meyer, Robert Ritchie
19	Mixed Factorial	-
20	Moser's Polygon Notation	Leo Moser
21	Pentiration	-
22	Old Polygon Notation	Leo Moser
23	Left tower	-
24	Tetration	Hans Maurer
25	Iterative Factorial	-
26	Power Towers	-
27	-yillion System	Donald Ervin Knuth
28	-illion System	-
29	HuaYan Sutra	-
30	Hyper Factorial	-
	序数	
1	Ordinal diagrams	Gaisi Takeuti
2	Feferman's $\theta$	Fefermann
3	Bachmann's $\psi$	Bachmann
4	Veblen Function	Oswald Veblen
5	$\Gamma$ function	-
6	Doubly variables Veblen Function	Oswald Veblen
7	$\eta$ function	-
8	$\zeta$ function	-

排名	名称	提出者
9	$\varepsilon$ function	-
10	Hardy Hierarchy	Stanley S.Wainer
11	$\omega$ with operation	-
12	$\omega^n$	-
13	$\omega \cdot n$	-
14	$\omega + n$	-
15	$n$	-

## G.2 1981 年

排名	名称	提出者
	大数	
1	Graham's Function $G(n)$	Ronald Graham
2	Graham's Function $g(n)$	Ronald Graham
3	Hyperlicious Function	-
4	Ackermann's Function	Wilhelm Ackermann
5	Knuth's Up-Arrow	Donald Ervin Knuth
6	Hyper Operation	-
7	Down-Arrow	Donald Ervin Knuth
8	Sudan function	Sudan
9	Gödel numbers	Gödel
10	Grzegorzczuk's hierarchy	Grzegorzczuk
11	$G_n + 2(n)$ function	Milton Green
12	$B_n(n)$ function	Milton Green
13	$M_n + 2(n)$ function	Milton Green
14	Peter's function	Rosza Peter
15	Robinsion's function	Raphael M. Robinson

排名	名称	提出者
16	Buck's function	Buck
17	Robert's function	Robert Ritchie
18	Meyer-Ritchie function	Meyer, Robert Ritchie
19	Mixed Factorial	-
20	Moser's Polygon Notation	Leo Moser
21	Pentiration	-
22	Old Polygon Notation	Leo Moser
23	Left tower	-
24	Tetration	Hans Maurer
25	Iterative Factorial	-
26	Power Towers	-
27	-yillion System	Donald Ervin Knuth
28	-illion System	-
29	HuaYan Sutra	-
30	Hyper Factorial	-
	序数	
1	Ordinal diagrams	Gaisi Takeuti
2	Feferman's $\theta$	Fefermann
3	1st Catching Point of G/F	Girard
4	Bachmann's $\psi$	Bachmann
5	Veblen Function	Oswald Veblen
6	$\Gamma$ function	-
7	Doubly variables Veblen Function	Oswald Veblen
8	$\eta$ function	-
9	$\zeta$ function	-
10	$\varepsilon$ function	-



排名	名称	提出者
11	Hardy Hierarchy	Stanley S.Wainer
12	$\omega$ with operation	-
13	$\omega^n$	-
14	$\omega \cdot n$	-
15	$\omega + n$	-

### G.3 1982 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Graham's Function $G(n)$	Ronald Graham
3	Graham's Function $g(n)$	Ronald Graham
4	Hyperlicious Function	-
5	Ackermann's Function	Wilhelm Ackermann
6	Knuth's Up-Arrow	Donald Ervin Knuth
7	Hyper Operation	-
8	Down-Arrow	Donald Ervin Knuth
9	Sudan function	Sudan
10	Gödel numbers	Gödel
11	Grzegorzczuk's hierarchy	Grzegorzczuk
12	$G_n + 2(n)$ function	Milton Green
13	$B_n(n)$ function	Milton Green
14	$M_n + 2(n)$ function	Milton Green
15	Peter's function	Rosza Peter
16	Robinsion's function	Raphael M. Robinson
17	Buck's function	Buck

排名	名称	提出者
18	Robert's function	Robert Ritchie
19	Meyer-Ritchie function	Meyer, Robert Ritchie
20	Mixed Factorial	-
21	Moser's Polygon Notation	Leo Moser
22	Pentiration	-
23	Old Polygon Notation	Leo Moser
24	Left tower	-
25	Tetration	Hans Maurer
26	Iterative Factorial	-
27	Power Towers	-
28	-yillion System	Donald Ervin Knuth
29	-illion System	-
30	HuaYan Sutra	-
	序数	
1	Ordinal diagrams	Gaisi Takeuti
2	Feferman's $\theta$	Fefermann
3	1st Catching Point of G/F	Girard
4	Bachmann's $\psi$	Bachmann
5	Veblen Function	Oswald Veblen
6	$\Gamma$ function	-
7	Doubly variables Veblen Function	Oswald Veblen
8	$\eta$ function	-
9	$\zeta$ function	-
10	$\varepsilon$ function	-
11	Hardy Hierarchy	Stanley S.Wainer
12	$g$ Hierarchy	Girard

排名	名称	提出者
13	$\omega$ with operation	-
14	$\omega^n$	-
15	$\omega \cdot n$	-

G.4 1983 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Graham's Function $G(n)$	Ronald Graham
3	Graham's Function $g(n)$	Ronald Graham
4	Hyperlicious Function	-
5	Ackermann's Function	Wilhelm Ackermann
6	Knuth's Up-Arrow	Donald Ervin Knuth
7	Hyper Operation	-
8	Down-Arrow	Donald Ervin Knuth
9	Sudan function	Sudan
10	Gödel numbers	Gödel
11	Grzegorzczuk's hierarchy	Grzegorzczuk
12	$G_n + 2(n)$ function	Milton Green
13	$B_n(n)$ function	Milton Green
14	$M_n + 2(n)$ function	Milton Green
15	Peter's function	Rosza Peter
16	Robinsion's function	Raphael M. Robinson
17	Buck's function	Buck
18	Robert's function	Robert Ritchie
19	Meyer-Ritchie function	Meyer, Robert Ritchie

排名	名称	提出者
20	Mixed Factorial	-
21	Moser's Polygon Notation	Leo Moser
22	Pentiration	-
23	Old Polygon Notation	Leo Moser
24	Left tower	-
25	Tetration	Hans Maurer
26	Iterative Factorial	-
27	Power Towers	-
28	-yillion System	Donald Ervin Knuth
29	-illion System	-
30	HuaYan Sutra	-
	序数	
1	Ordinal diagrams	Gaisi Takeuti
2	Feferman's $\theta$	Fefermann
3	1st Catching Point of G/F	Girard
4	Bachmann's $\psi$	Bachmann
5	Veblen Function	Oswald Veblen
6	$\Gamma$ function	-
7	Doubly variables Veblen Function	Oswald Veblen
8	$\eta$ function	-
9	$\zeta$ function	-
10	$\varepsilon$ function	-
11	Hardy Hierarchy	Stanley S.Wainer
12	$g$ Hierarchy	Girard
13	$\omega$ with operation	-
14	$\omega^n$	-

排名	名称	提出者
15	$\omega \cdot n$	-

G.5 1984 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Mixed Factorial	-

排名	名称	提出者
22	Moser's Polygon Notation	Leo Moser
23	Pentiration	-
24	Old Polygon Notation	Leo Moser
25	Left tower	-
26	Tetration	Hans Maurer
27	Iterative Factorial	-
28	Power Towers	-
29	-yillion System	Donald Ervin Knuth
30	-illion System	-
	序数	
1	Ordinal diagrams	Gaisi Takeuti
2	Feferman's $\theta$	Fefermann
3	1st Catching Point of G/F	Girard
4	Bachmann's $\psi$	Bachmann
5	Veblen Function	Oswald Veblen
6	$\Gamma$ function	-
7	Doubly variables Veblen Function	Oswald Veblen
8	$\eta$ function	-
9	$\zeta$ function	-
10	$\varepsilon$ function	-
11	FGH below $\varepsilon_0$	Rose
12	Hardy Hierarchy	Stanley S.Wainer
13	$g$ Hierarchy	Girard
14	$\omega$ with operation	-
15	$\omega^n$	-

## G.6 1985 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Mixed Factorial	-
22	Moser's Polygon Notation	Leo Moser
23	Pentiration	-
24	Old Polygon Notation	Leo Moser

排名	名称	提出者
25	Left tower	-
26	Tetration	Hans Maurer
27	Iterative Factorial	-
28	Power Towers	-
29	-yillion System	Donald Ervin Knuth
30	-illion System	-
	序数	
1	Ordinal diagrams	Gaisi Takeuti
2	Feferman's $\theta$	Fefermann
3	1st Catching Point of G/F	Girard
4	Bachmann's $\psi$	Bachmann
5	Veblen Function	Oswald Veblen
6	$\Gamma$ function	-
7	Doubly variables Veblen Function	Oswald Veblen
8	$\eta$ function	-
9	$\zeta$ function	-
10	$\varepsilon$ function	-
11	FGH below $\varepsilon_0$	Rose
12	Hardy Hierarchy	Stanley S.Wainer
13	$g$ Hierarchy	Girard
14	$\omega$ with operation	-
15	$\omega^n$	-

G.7 1986 年

排名	名称	提出者
	大数	



排名	名称	提出者
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Mixed Factorial	-
22	Moser's Polygon Notation	Leo Moser
23	Pentiration	-
24	Old Polygon Notation	Leo Moser
25	Left tower	-
26	Tetration	Hans Maurer

排名	名称	提出者
27	Iterative Factorial	-
28	Power Towers	-
29	-yillion System	Donald Ervin Knuth
30	-illion System	-
	序数	
1	Ordinal diagrams	Gaisi Takeuti
2	Feferman's $\theta$	Fefermann
3	Buchholz's $\psi$ Function	Wilfried Buchholz
4	1st Catching Point of G/F	Girard
5	Madore's $\psi$ Function	Madore
6	Bachmann's $\psi$	Bachmann
7	Veblen Function	Oswald Veblen
8	$\Gamma$ function	-
9	Doubly variables Veblen Function	Oswald Veblen
10	$\eta$ function	-
11	$\zeta$ function	-
12	$\varepsilon$ function	-
13	FGH below $\varepsilon_0$	Rose
14	Hardy Hierarchy	Stanley S.Wainer
15	$g$ Hierarchy	Girard

## G.8 1987 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris

排名	名称	提出者
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
22	Mixed Factorial	-
23	Moser's Polygon Notation	Leo Moser
24	Pentiration	-
25	Old Polygon Notation	Leo Moser
26	Left tower	-
27	Tetration	Hans Maurer
28	Iterative Factorial	-

排名	名称	提出者
29	Power Towers	-
30	-yillion System	Donald Ervin Knuth
	序数	
1	Buchholz's $\Phi$	Wilfried Buchholz
2	Ordinal diagrams	Gaisi Takeuti
3	Feferman's $\theta$	Fefermann
4	Buchholz's Hydra	Wilfried Buchholz
5	Buchholz's $\psi$ Function	Wilfried Buchholz
6	1st Catching Point of G/F	Girard
7	Madore's $\psi$ Function	Madore
8	Bachmann's $\psi$	Bachmann
9	Veblen Function	Oswald Veblen
10	$\Gamma$ function	-
11	Doubly variables Veblen Function	Oswald Veblen
12	$\eta$ function	-
13	$\zeta$ function	-
14	$\varepsilon$ function	-
15	FGH below $\varepsilon_0$	Rose

## G.9 1988 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham

排名	名称	提出者
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczk's hierarchy	Grzegorzczk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
22	Alteration of M/R's Ackf	-
23	Mixed Factorial	-
24	Moser's Polygon Notation	Leo Moser
25	Pentiration	-
26	Old Polygon Notation	Leo Moser
27	Left tower	-
28	Tetration	Hans Maurer
29	Iterative Factorial	-
30	Power Towers	-

排名	名称	提出者
	序数	
1	Buchholz's $\Phi$	Wilfried Buchholz
2	Ordinal diagrams	Gaisi Takeuti
3	Feferman's $\theta$	Fefermann
4	Buchholz's Hydra	Wilfried Buchholz
5	Buchholz's $\psi$ Function	Wilfried Buchholz
6	1st Catching Point of G/F	Girard
7	Madore's $\psi$ Function	Madore
8	Bachmann's $\psi$	Bachmann
9	Veblen Function	Oswald Veblen
10	$\Gamma$ function	-
11	Doubly variables Veblen Function	Oswald Veblen
12	$\eta$ function	-
13	$\zeta$ function	-
14	$\varepsilon$ function	-
15	FGH below $\varepsilon_0$	Rose

## G.10 1989 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann

排名	名称	提出者
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
22	Alteration of M/R's Ackf	-
23	Mixed Factorial	-
24	Moser's Polygon Notation	Leo Moser
25	Pentiration	-
26	Old Polygon Notation	Leo Moser
27	Left tower	-
28	Tetration	Hans Maurer
29	Iterative Factorial	-
30	Power Towers	-
#	Laver Table 被研究出	
	序数	

排名	名称	提出者
1	Rathjen's $\chi$	Rathjen
2	Buchholz's $\Phi$	Wilfried Buchholz
3	Ordinal diagrams	Gaisi Takeuti
4	Feferman's $\theta$	Fefermann
5	Buchholz's Hydra	Wilfried Buchholz
6	Buchholz's $\psi$ Function	Wilfried Buchholz
7	1st Catching Point of G/F	Girard
8	Madore's $\psi$ Function	Madore
9	Bachmann's $\psi$	Bachmann
10	Veblen Function	Oswald Veblen
11	$\Gamma$ function	-
12	Doubly variables Veblen Function	Oswald Veblen
13	$\eta$ function	-
14	$\zeta$ function	-
15	$\varepsilon$ function	-

## G.11 1990 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Array	Donald Ervin Knuth



排名	名称	提出者
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
22	Alteration of M/R's Ackf	-
23	Mixed Factorial	-
24	Moser's Polygon Notation	Leo Moser
25	Pentiration	-
26	Old Polygon Notation	Leo Moser
27	Left tower	-
28	Tetration	Hans Maurer
29	Iterative Factorial	-
30	Power Towers	-
	序数	
1	Rathjen's $\Xi$	Rathjen
2	Rathjen's $\chi$	Rathjen

排名	名称	提出者
3	Buchholz's $\Phi$	Wilfried Buchholz
4	Ordinal diagrams	Gaisi Takeuti
5	Feferman's $\theta$	Fefermann
6	Buchholz's Hydra	Wilfried Buchholz
7	Buchholz's $\psi$ Function	Wilfried Buchholz
8	1st Catching Point of G/F	Girard
9	Madore's $\psi$ Function	Madore
10	Bachmann's $\psi$	Bachmann
11	Veblen Function	Oswald Veblen
12	$\Gamma$ function	-
13	Doubly variables Veblen Function	Oswald Veblen
14	$\eta$ function	-
15	$\zeta$ function	-

## G.12 1991 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Array	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Array	Donald Ervin Knuth

排名	名称	提出者
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorczyk's hierarchy	Grzegorczyk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
22	Alteration of M/R's Ackf	-
23	Mixed Factorial	-
24	Moser's Polygon Notation	Leo Moser
25	Pentiration	-
26	Old Polygon Notation	Leo Moser
27	Left tower	-
28	Tetration	Hans Maurer
29	Iterative Factorial	-
30	Power Towers	-
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz

排名	名称	提出者
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen
13	$\Gamma$ function	-
14	Doubly variables Veblen Function	Oswald Veblen
15	$\eta$ function	-

### G.13 1992 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel

排名	名称	提出者
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
22	Alteration of M/R's Ackf	-
23	Mixed Factorial	-
24	Moser's Polygon Notation	Leo Moser
25	Pentiration	-
26	Old Polygon Notation	Leo Moser
27	Left tower	-
28	Tetration	Hans Maurer
29	Iterative Factorial	-
30	Power Towers	-
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann

排名	名称	提出者
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen
13	$\Gamma$ function	-
14	Doubly variables Veblen Function	Oswald Veblen
15	$\eta$ function	-

## G.14 1993 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green

排名	名称	提出者
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
22	Alteration of M/R's Ackf	-
23	Mixed Factorial	-
24	Moser's Polygon Notation	Leo Moser
25	Pentiration	-
26	Old Polygon Notation	Leo Moser
27	Left tower	-
28	Tetration	Hans Maurer
29	Iterative Factorial	-
30	Power Towers	-
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz

排名	名称	提出者
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen
13	$\Gamma$ function	-
14	Doubly variables Veblen Function	Oswald Veblen
15	$\eta$ function	-

## G.15 1994 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	Graham's Function $G(n)$	Ronald Graham
4	Graham's Function $g(n)$	Ronald Graham
5	Hyperlicious Function	-
6	Ackermann's Function	Wilhelm Ackermann
7	Knuth's Up-Arrow	Donald Ervin Knuth
8	Hyper Operation	-
9	Down-Arrow	Donald Ervin Knuth
10	Sudan function	Sudan
11	Gödel numbers	Gödel
12	Grzegorzczuk's hierarchy	Grzegorzczuk
13	$G_n + 2(n)$ function	Milton Green
14	$B_n(n)$ function	Milton Green
15	$M_n + 2(n)$ function	Milton Green



排名	名称	提出者
16	Peter's function	Rosza Peter
17	Robinsion's function	Raphael M. Robinson
18	Buck's function	Buck
19	Robert's function	Robert Ritchie
20	Meyer-Ritchie function	Meyer, Robert Ritchie
21	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
22	Alteration of M/R's Ackf	-
23	Baxter's Derivation	Lew Baxter
24	Mixed Factorial	-
25	Moser's Polygon Notation	Leo Moser
26	Pentiration	-
27	Old Polygon Notation	Leo Moser
28	Left tower	-
29	Tetration	Hans Maurer
30	Iterative Factorial	-
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore

排名	名称	提出者
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen
13	$\Gamma$ function	-
14	Doubly variables Veblen Function	Oswald Veblen
15	$\eta$ function	-

## G.16 1995 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	CG Function	John Horton Conway, Richard Kenneth Guy
4	Chained Arrow	John Horton Conway, Richard Kenneth Guy
5	Graham's Function $G(n)$	Ronald Graham
6	Graham's Function $g(n)$	Ronald Graham
7	Hyperlicious Function	-
8	Ackermann's Function	Wilhelm Ackermann
9	Knuth's Up-Arrow	Donald Ervin Knuth
10	Hyper Operation	-
11	Down-Arrow	Donald Ervin Knuth
12	Sudan function	Sudan
13	Gödel numbers	Gödel
14	Grzegorczyk's hierarchy	Grzegorczyk
15	$G_n + 2(n)$ function	Milton Green
16	$B_n(n)$ function	Milton Green

排名	名称	提出者
17	$M_n + 2(n)$ function	Milton Green
18	Peter's function	Rosza Peter
19	Robinsion's function	Raphael M. Robinson
20	Buck's function	Buck
21	Robert's function	Robert Ritchie
22	Meyer-Ritchie function	Meyer, Robert Ritchie
23	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
24	Alteration of M/R's Ackf	-
25	Baxter's Derivation	Lew Baxter
26	Mixed Factorial	-
27	Moser's Polygon Notation	Leo Moser
28	Pentiration	-
29	Old Polygon Notation	Leo Moser
30	Left tower	-
#	Laver Table 在 ZFC+I0 中被证明存在	
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore

排名	名称	提出者
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen
13	$\Gamma$ function	-
14	Doubly variables Veblen Function	Oswald Veblen
15	$\eta$ function	-

## G.17 1996 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	CG Function	John Horton Conway, Richard Kenneth Guy
4	Chained Arrow	John Horton Conway, Richard Kenneth Guy
5	Graham's Function $G(n)$	Ronald Graham
6	Graham's Function $g(n)$	Ronald Graham
7	Hyperlicious Function	-
8	Ackermann's Function	Wilhelm Ackermann
9	Knuth's Up-Arrow	Donald Ervin Knuth
10	Hyper Operation	-
11	Down-Arrow	Donald Ervin Knuth
12	Munafo's Hyper Operation	Munafo
13	Sudan function	Sudan
14	Gödel numbers	Gödel
15	Grzegorczyk's hierarchy	Grzegorczyk
16	$G_n + 2(n)$ function	Milton Green

排名	名称	提出者
17	$B_n(n)$ function	Milton Green
18	$M_n + 2(n)$ function	Milton Green
19	Peter's function	Rosza Peter
20	Robinsion's function	Raphael M. Robinson
21	Buck's function	Buck
22	Robert's function	Robert Ritchie
23	Meyer-Ritchie function	Meyer, Robert Ritchie
24	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
25	Alteration of M/R's Ackf	-
26	Baxter's Derivation	Lew Baxter
27	$E\#$ (Old)	-
28	Mixed Factorial	-
29	Moser's Polygon Notation	Leo Moser
30	Pentiration	-
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore
11	Bachmann's $\psi$	Bachmann

排名	名称	提出者
12	Veblen Function	Oswald Veblen
13	$\Gamma$ function	-
14	Doubly variables Veblen Function	Oswald Veblen
15	$\eta$ function	-

## G.18 1997 年

排名	名称	提出者
	大数	
1	Goodstein Sequence	Goodstein
2	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
3	CG Function	John Horton Conway, Richard Kenneth Guy
4	Chained Arrow	John Horton Conway, Richard Kenneth Guy
5	Graham's Function $G(n)$	Ronald Graham
6	Graham's Function $g(n)$	Ronald Graham
7	Hyperlicious Function	-
8	Ackermann's Function	Wilhelm Ackermann
9	Knuth's Up-Arrow	Donald Ervin Knuth
10	Hyper Operation	-
11	Down-Arrow	Donald Ervin Knuth
12	Munafo's Hyper Operation	Munafo
13	Mythical tree problem	Harvey Friedman
14	Sudan function	Sudan
15	Gödel numbers	Gödel
16	Grzegorczyk's hierarchy	Grzegorczyk
17	$G_n + 2(n)$ function	Milton Green

排名	名称	提出者
18	$B_n(n)$ function	Milton Green
19	$M_n + 2(n)$ function	Milton Green
20	Peter's function	Rosza Peter
21	Robinsion's function	Raphael M. Robinson
22	Buck's function	Buck
23	Robert's function	Robert Ritchie
24	Meyer-Ritchie function	Meyer, Robert Ritchie
25	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
26	Alteration of M/R's Ackf	-
27	Baxter's Derivation	Lew Baxter
28	$E\#$ (Old)	-
29	Mixed Factorial	-
30	Moser's Polygon Notation	Leo Moser
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen

排名	名称	提出者
13	$\Gamma$ function	-
14	Doubly variables Veblen Function	Oswald Veblen
15	$\eta$ function	-

## G.19 1998 年

排名	名称	提出者
	大数	
1	Friedman's Sequence	Harvey Friedman
2	Goodstein Sequence	Goodstein
3	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
4	CG Function	John Horton Conway, Richard Kenneth Guy
5	Chained Arrow	John Horton Conway, Richard Kenneth Guy
6	Clarkkkkson	-
7	Graham's Function $G(n)$	Ronald Graham
8	Graham's Function $g(n)$	Ronald Graham
9	Hyperlicious Function	-
10	Ackermann's Function	Wilhelm Ackermann
11	Knuth's Up-Arrow	Donald Ervin Knuth
12	Hyper Operation	-
13	Down-Arrow	Donald Ervin Knuth
14	Munafo's Hyper Operation	Munafo
15	Mythical tree problem	Harvey Friedman
16	Munafo's function	Munafo
17	Sudan function	Sudan
18	Gödel numbers	Gödel



排名	名称	提出者
19	Grzegorzczuk's hierarchy	Grzegorzczuk
20	$G_n + 2(n)$ function	Milton Green
21	$B_n(n)$ function	Milton Green
22	$M_n + 2(n)$ function	Milton Green
23	Peter's function	Rosza Peter
24	Robinsion's function	Raphael M. Robinson
25	Buck's function	Buck
26	Robert's function	Robert Ritchie
27	Meyer-Ritchie function	Meyer, Robert Ritchie
28	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
29	Alteration of M/R's Ackf	-
30	Baxter's Derivation	Lew Baxter
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen
13	$\Gamma$ function	-

排名	名称	提出者
14	Doubly variables Veblen Function	Oswald Veblen
15	$\eta$ function	-

## G.20 1999 年

排名	名称	提出者
	大数	
1	Friedman's Sequence	Harvey Friedman
2	Goodstein Sequence	Goodstein
3	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
4	CG Function	John Horton Conway, Richard Kenneth Guy
5	Chained Arrow	John Horton Conway, Richard Kenneth Guy
6	Clarkkkkson	-
7	Graham's Function $G(n)$	Ronald Graham
8	Graham's Function $g(n)$	Ronald Graham
9	Hyperlicious Function	-
10	Ackermann's Function	Wilhelm Ackermann
11	Knuth's Up-Arrow	Donald Ervin Knuth
12	Hyper Operation	-
13	Bowers' Operators	Jonathan Bowers
14	Nambir's Hyper Operation	Nambir
15	R-R Hyper operation	Ruzorbov Romolio
16	Down-Arrow	Donald Ervin Knuth
17	Munafo's Hyper Operation	Munafo
18	Mythical tree problem	Harvey Friedman
19	Sudan function	Sudan

排名	名称	提出者
20	Gödel numbers	Gödel
21	Grzegorzczk's hierarchy	Grzegorzczk
22	$G_n + 2(n)$ function	Milton Green
23	$B_n(n)$ function	Milton Green
24	$M_n + 2(n)$ function	Milton Green
25	Peter's function	Rosza Peter
26	Robinsion's function	Raphael M. Robinson
27	Buck's function	Buck
28	Robert's function	Robert Ritchie
29	Meyer-Ritchie function	Meyer, Robert Ritchie
30	Edelsbrunner-Herbert's function	Edelsbrunner, Herbert
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen
13	$\Gamma$ function	-
14	Doubly variables Veblen Function	Oswald Veblen

排名	名称	提出者
15	$\eta$ function	-

## G.21 2000 年

排名	名称	提出者
	大数	
1	Friedman's Sequence	Harvey Friedman
2	Goodstein Sequence	Goodstein
3	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
4	CG Function	John Horton Conway, Richard Kenneth Guy
5	Bowers' $\{\}$	Jonathan Bowers
6	Chained Arrow	John Horton Conway, Richard Kenneth Guy
7	Clarkkkkson	-
8	Graham's Function $G(n)$	Ronald Graham
9	Graham's Function $g(n)$	Ronald Graham
10	Hyperlicious Function	-
11	Ackermann's Function	Wilhelm Ackermann
12	Knuth's Up-Arrow	Donald Ervin Knuth
13	Hyper Operation	-
14	Bowers' Operators	Jonathan Bowers
15	Nambir's Hyper Operation	Nambir
16	R-R Hyper Operation	Ruzorbov Romolio
17	Down-Arrow	Donald Ervin Knuth
18	Munafo's Hyper Operation	Munafo
19	Mythical tree problem	Harvey Friedman
20	Sudan function	Sudan

排名	名称	提出者
21	Gödel numbers	Gödel
22	Grzegorzczk's hierarchy	Grzegorzczk
23	$G_n + 2(n)$ function	Milton Green
24	$B_n(n)$ function	Milton Green
25	$M_n + 2(n)$ function	Milton Green
26	Peter's function	Rosza Peter
27	Robinsion's function	Raphael M. Robinson
28	Buck's function	Buck
29	Robert's function	Robert Ritchie
30	Meyer-Ritchie function	Meyer, Robert Ritchie
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
9	Buchholz's $\psi$ Function	Wilfried Buchholz
9	1st Catching Point of G/F	Girard
10	Madore's $\psi$ Function	Madore
11	Bachmann's $\psi$	Bachmann
12	Veblen Function	Oswald Veblen
13	otree function	Harvey Friedman
14	tree function	Harvey Friedman
15	$\Gamma$ function	-

## G.22 2001 年

排名	名称	提出者
	大数	
1	marxen.c function	Heiner Marxen
2	Friedman's Sequence	Harvey Friedman
3	Goodstein Sequence	Goodstein
4	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
5	Extended Bowers' Array Notation	Jonathan Bowers
6	Bowers' Array Notation	Jonathan Bowers
7	Pete.C function series	Pete
8	CG Function	John Horton Conway, Richard Kenneth Guy
9	Bowers' {}	Jonathan Bowers
10	Chained Arrow	John Horton Conway, Richard Kenneth Guy
11	Clarkkkkson	-
12	Graham's Function $G(n)$	Ronald Graham
13	Graham's Function $g(n)$	Ronald Graham
14	Hyperlicious Function	-
15	Ackermann's Function	Wilhelm Ackermann
16	Knuth's Up-Arrow	Donald Ervin Knuth
17	Hyper Operation	-
18	Bowers' Operators	Jonathan Bowers
19	Nambir's Hyper Operation	Nambir
20	R-R Hyper Operation	Ruzorbov Romolio
21	Down-Arrow	Donald Ervin Knuth
22	Munafo's Hyper Operation	Munafo
23	Mythical tree problem	Harvey Friedman

排名	名称	提出者
24	Sudan function	Sudan
25	Gödel numbers	Gödel
26	Grzegorczyk's hierarchy	Grzegorczyk
27	$G_n + 2(n)$ function	Milton Green
28	$B_n(n)$ function	Milton Green
29	$M_n + 2(n)$ function	Milton Green
30	Peter's function	Rosza Peter
#	Loader.C 被 Loader 提出	
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	Patterns of Resemblance	Carlson
10	1st Catching Point of G/F	Girard
11	Madore's $\psi$ Function	Madore
12	Bachmann's $\psi$	Bachmann
13	Veblen Function	Oswald Veblen
14	TREE function	Harvey Friedman
15	otree function	Harvey Friedman

G.23 2002 年

排名	名称	提出者
	大数	
1	marxen.c function	Heiner Marxen
2	Multi Dimensional Arrays	Jonathan Bowers
3	Friedman's Sequence	Harvey Friedman
4	Worm function	-
5	Goodstein Sequence	Goodstein
6	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
7	Dimensional Arrays	Jonathan Bowers
8	Linar Arrays	Jonathan Bowers
9	Extended Bowers' Array Notation	Jonathan Bowers
10	Bowers' Array Notation	Jonathan Bowers
11	Pete.C function series	Pete
12	CG Function	John Horton Conway, Richard Kenneth Guy
13	Bowers' {}	Jonathan Bowers
14	Chained Arrow	John Horton Conway, Richard Kenneth Guy
15	Clarkkkkson	-
16	Graham's Function $G(n)$	Ronald Graham
17	Graham's Function $g(n)$	Ronald Graham
18	Hyperlicious Function	-
19	Ackermann's Function	Wilhelm Ackermann
20	Knuth's Up-Arrow	Donald Ervin Knuth
21	Hyper Operation	-
22	Bowers' Operators	Jonathan Bowers
23	Nambir's Hyper Operation	Nambir
24	R-R Hyper Operation	Ruzorbov Romolio
25	Down-Arrow	Donald Ervin Knuth



排名	名称	提出者
26	Munafo's Hyper Operation	Munafo
27	Mythical tree problem	Harvey Friedman
28	Sudan function	Sudan
29	Gödel numbers	Gödel
30	Grzegorczyk's hierarchy	Grzegorczyk
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	Patterns of Resemblance	Carlson
10	1st Catching Point of G/F	Girard
11	Madore's $\psi$ Function	Madore
12	Bachmann's $\psi$	Bachmann
13	Veblen Function	Oswald Veblen
14	TREE function	Harvey Friedman
15	otree function	Harvey Friedman

## G.24 2003 年

排名	名称	提出者
	大数	
1	Bowers' Dimensional Arrays with [ ]	-

排名	名称	提出者
2	marxen.c function	Heiner Marxen
3	Multi Dimensional Arrays	Jonathan Bowers
4	Friedman's Sequence	Harvey Friedman
5	Worm function	-
6	Goodstein Sequence	Goodstein
7	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
8	Dimensional Arrays	Jonathan Bowers
9	Linar Arrays	Jonathan Bowers
10	Extended Bowers' Array Notation	Jonathan Bowers
11	Bowers' Array Notation	Jonathan Bowers
12	Pete.C function series	Pete
13	CG Function	John Horton Conway, Richard Kenneth Guy
14	Bowers' {}	Jonathan Bowers
15	Chained Arrow	John Horton Conway, Richard Kenneth Guy
16	Clarkkkkson	-
17	Graham's Function $G(n)$	Ronald Graham
18	Graham's Function $g(n)$	Ronald Graham
19	Hyperlicious Function	-
20	Ackermann's Function	Wilhelm Ackermann
21	Knuth's Up-Arrow	Donald Ervin Knuth
22	Hyper Operation	-
23	Bowers' Operators	Jonathan Bowers
24	Nambir's Hyper Operation	Nambir
25	R-R Hyper Operation	Ruzorbov Romolio
26	Down-Arrow	Donald Ervin Knuth
27	Munafo's Hyper Operation	Munafo

排名	名称	提出者
28	Mythical tree problem	Harvey Friedman
29	Sudan function	Sudan
30	Gödel numbers	Gödel
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	Patterns of Resemblance	Carlson
10	1st Catching Point of G/F	Girard
11	Madore's $\psi$ Function	Madore
12	Bachmann's $\psi$	Bachmann
13	Veblen Function	Oswald Veblen
14	TREE function	Harvey Friedman
15	otree function	Harvey Friedman

## G.25 2004 年

排名	名称	提出者
	大数	
1	E# with # Hyper Operation	Sbiis Saibian
2	Bowers' Dimensional Arrays with [ ]	-
3	marxen.c function	Heiner Marxen

排名	名称	提出者
4	Multi Dimensional Arrays	Jonathan Bowers
5	E# with # Operation	Sbiis Saibian
6	Friedman's Sequence	Harvey Friedman
7	Worm function	-
8	Goodstein Sequence	Goodstein
9	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
10	Dimensional Arrays	Jonathan Bowers
11	Linar Arrays	Jonathan Bowers
12	E# with Multiple #	Sbiis Saibian
13	Extended Bowers' Array Notation	Jonathan Bowers
14	Bowers' Array Notation	Jonathan Bowers
15	Pete.C function series	Pete
16	CG Function	John Horton Conway, Richard Kenneth Guy
17	Bowers' {}	Jonathan Bowers
18	Chained Arrow	John Horton Conway, Richard Kenneth Guy
19	Clarkkkkson	-
20	Graham's Function $G(n)$	Ronald Graham
21	Graham's Function $g(n)$	Ronald Graham
22	Hyperlicious Function	-
23	Ackermann's Function	Wilhelm Ackermann
24	Knuth's Up-Arrow	Donald Ervin Knuth
25	Hyper Operation	-
26	Bowers' Operators	Jonathan Bowers
27	Nambir's Hyper Operation	Nambir
28	R-R Hyper Operation	Ruzorbov Romolio
29	Down-Arrow	Donald Ervin Knuth

排名	名称	提出者
30	Munafo's Hyper Operation	Munafo
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	Patterns of Resemblance	Carlson
10	1st Catching Point of G/F	Girard
11	Madore's $\psi$ Function	Madore
12	Bachmann's $\psi$	Bachmann
13	Veblen Function	Oswald Veblen
14	TREE function	Harvey Friedman
15	otree function	Harvey Friedman

## G.26 2005 年

排名	名称	提出者
	大数	
1	E# with # Hyper Operation	Sbiis Saibian
2	Bowers' Dimensional Arrays with [ ]	-
3	marxen.c function	Heiner Marxen
4	Multi Dimensional Arrays	Jonathan Bowers
5	E# with # Operation	Sbiis Saibian

排名	名称	提出者
6	Friedman's Sequence	Harvey Friedman
7	Worm function	-
8	Goodstein Sequence	Goodstein
9	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
10	Dimensional Arrays	Jonathan Bowers
11	Linar Arrays	Jonathan Bowers
12	E# with Multiple #	Sbiis Saibian
13	Extended Bowers' Array Notation	Jonathan Bowers
14	Bowers' Array Notation	Jonathan Bowers
15	Pete.C function series	Pete
16	CG Function	John Horton Conway, Richard Kenneth Guy
17	Bowers' {}	Jonathan Bowers
18	Chained Arrow	John Horton Conway, Richard Kenneth Guy
19	Clarkkkkson	-
20	Graham's Function $G(n)$	Ronald Graham
21	Graham's Function $g(n)$	Ronald Graham
22	Hyperlicious Function	-
23	Ackermann's Function	Wilhelm Ackermann
24	Knuth's Up-Arrow	Donald Ervin Knuth
25	Hyper Operation	-
26	Bowers' Operators	Jonathan Bowers
27	Nambir's Hyper Operation	Nambir
28	R-R Hyper Operation	Ruzorbov Romolio
29	Down-Arrow	Donald Ervin Knuth
30	Munafo's Hyper Operation	Munafo
	序数	

排名	名称	提出者
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	Patterns of Resemblance	Carlson
10	1st Catching Point of G/F	Girard
11	Madore's $\psi$ Function	Madore
12	Bachmann's $\psi$	Bachmann
13	Veblen Function	Oswald Veblen
14	TREE function	Harvey Friedman
15	otree function	Harvey Friedman

## G.27 2006 年

排名	名称	提出者
	大数	
1	Bird's Array (V1)	Chris Bird
2	E# with # Hyper Operation	Sbiis Saibian
3	Bowers' Dimensional Arrays with [ ]	-
4	Bird's multiple [ ]	Chris Bird
5	marxen.c function	Heiner Marxen
6	Multi Dimensional Arrays	Jonathan Bowers
7	E# with # Operation	Sbiis Saibian

排名	名称	提出者
8	Bird's [ ]	Chris Bird
9	Friedman's Sequence	Harvey Friedman
10	Worm function	-
11	Goodstein Sequence	Goodstein
12	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
13	Dimensional Arrays	Jonathan Bowers
14	Linar Arrays	Jonathan Bowers
15	E# with Multiple #	Sbiis Saibian
16	Extended Bowers' Array Notation	Jonathan Bowers
17	Bowers' Array Notation	Jonathan Bowers
18	Bowers' Array Notation	Jonathan Bowers
19	Pete.C function series	Pete
20	CG Function	John Horton Conway, Richard Kenneth Guy
21	Bowers' {}	Jonathan Bowers
22	Chained Arrow	John Horton Conway, Richard Kenneth Guy
23	Clarkkkkson	-
24	Graham's Function $G(n)$	Ronald Graham
25	Graham's Function $g(n)$	Ronald Graham
26	Hyperlicious Function	-
27	Ackermann's Function	Wilhelm Ackermann
28	Knuth's Up-Arrow	Donald Ervin Knuth
29	Hyper Operation	-
30	Bowers' Operators	Jonathan Bowers
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen



排名	名称	提出者
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Buchholz's $\Phi$	Wilfried Buchholz
5	Ordinal diagrams	Gaisi Takeuti
6	Feferman's $\theta$	Fefermann
7	Buchholz's Hydra	Wilfried Buchholz
8	Buchholz's $\psi$ Function	Wilfried Buchholz
9	SCG Function	-
10	SSCG Function	-
11	Patterns of Resemblance	Carlson
12	1st Catching Point of G/F	Girard
13	Madore's $\psi$ Function	Madore
14	Bachmann's $\psi$	Bachmann
15	Veblen Function	Oswald Veblen

## G.28 2007 年

排名	名称	提出者
	大数	
1	Bird's Array (V1)	Chris Bird
2	Bowers' &	Jonathan Bowers
3	E# with # Hyper Operation	Sbiis Saibian
4	Bowers' Dimensional Arrays with [ ]	-
5	Bird's multiple [ ]	Chris Bird
6	marxen.c function	Heiner Marxen
7	Multi Dimensional Arrays	Jonathan Bowers
8	E# with # Operation	Sbiis Saibian

排名	名称	提出者
9	Bird's [ ]	Chris Bird
10	Friedman's Sequence	Harvey Friedman
11	Worm function	-
12	Goodstein Sequence	Goodstein
13	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
14	Dimensional Arrays	Jonathan Bowers
15	Linar Arrays	Jonathan Bowers
16	Taro's multivariable Ackermann function	Taro
17	E# with Multiple #	Sbiis Saibian
18	Extended Bowers' Array Notation	Jonathan Bowers
19	Bowers' Array Notation	Jonathan Bowers
20	Bowers' Array Notation	Jonathan Bowers
21	Pete.C function series	Pete
22	CG Function	John Horton Conway, Richard Kenneth Guy
23	Bowers' {}	Jonathan Bowers
24	Chained Arrow	John Horton Conway, Richard Kenneth Guy
25	Clarkkkkson	-
26	Graham's Function $G(n)$	Ronald Graham
27	Graham's Function $g(n)$	Ronald Graham
28	Hyperlicious Function	-
29	Ackermann's Function	Wilhelm Ackermann
30	Knuth's Up-Arrow	Donald Ervin Knuth
#	Rayo 函数被 Rayo 提出	
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen

排名	名称	提出者
2	Rathjen's $\Xi$	Rathjen
3	Rathjen's $\chi$	Rathjen
4	Mahlo OCF	-
5	$I$ OCF	Gerhard Jäger, Wilfried Buchholz
6	Buchholz's $\Phi$	Wilfried Buchholz
7	Ordinal diagrams	Gaisi Takeuti
8	Feferman's $\theta$	Fefermann
9	Buchholz's Hydra	Wilfried Buchholz
10	Buchholz's $\psi$ Function	Wilfried Buchholz
11	SCG Function	-
12	SSCG Function	-
13	Patterns of Resemblance	Carlson
14	Wilken's $\theta$	Gunnar Wilken
15	1st Catching Point of G/F	Girard

## G.29 2008 年

排名	名称	提出者
	大数	
1	Bird's Array (V1)	Chris Bird
2	Bowers' Exploding Array Function	Jonathan Bowers
3	Bowers' &	Jonathan Bowers
4	Hyper-E Notation	Sbiis Saibian
5	E# with # Hyper Operation	Sbiis Saibian
6	Bowers' Dimensional Arrays with [ ]	-
7	Bird's multiple [ ]	Chris Bird
8	marxen.c function	Heiner Marxen

排名	名称	提出者
9	Multi Dimensional Arrays	Jonathan Bowers
10	E# with # Operation	Sbiis Saibian
11	Bird's []	Chris Bird
12	Friedman's Sequence	Harvey Friedman
13	Worm function	-
14	Goodstein Sequence	Goodstein
15	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
16	Dimensional Arrays	Jonathan Bowers
17	Linar Arrays	Jonathan Bowers
18	Taro's multivariable Ackermann function	Taro
19	E# with Multiple #	Sbiis Saibian
20	Extended Bowers' Array Notation	Jonathan Bowers
21	Bowers' Array Notation	Jonathan Bowers
22	Bowers' Array Notation	Jonathan Bowers
23	Pete.C function series	Pete
24	CG Function	John Horton Conway, Richard Kenneth Guy
25	Bowers' {}	Jonathan Bowers
26	Chained Arrow	John Horton Conway, Richard Kenneth Guy
27	Clarkkkkson	-
28	Graham's Function $G(n)$	Ronald Graham
29	Graham's Function $g(n)$	Ronald Graham
30	Hyperlicious Function	-
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Duchhart's OCF	Duchhart

排名	名称	提出者
3	Rathjen's $\Xi$	Rathjen
4	Rathjen's $\chi$	Rathjen
5	Mahlo OCF	-
6	$I$ OCF	Gerhard Jäger, Wilfried Buchholz
7	Buchholz's $\Phi$	Wilfried Buchholz
8	Ordinal diagrams	Gaisi Takeuti
9	Feferman's $\theta$	Fefermann
10	Buchholz's Hydra	Wilfried Buchholz
11	Buchholz's $\psi$ Function	Wilfried Buchholz
12	SCG Function	-
13	SSCG Function	-
14	Patterns of Resemblance	Carlson
15	Wilken's $\theta$	Gunnar Wilken

### G.30 2009 年

排名	名称	提出者
	大数	
1	Bird's Array (V1)	Chris Bird
2	Bowers' Exploding Array Function	Jonathan Bowers
3	Bowers' &	Jonathan Bowers
4	Hyper-E Notation	Sbiis Saibian
5	E# with # Hyper Operation	Sbiis Saibian
6	Bower's Dimensional Arrays with [ ]	-
7	Bird's multiple [ ]	Chris Bird
8	marxen.c function	Heiner Marxen
9	Multi Dimensional Arrays	Jonathan Bowers

排名	名称	提出者
10	E# with # Operation	Sbiis Saibian
11	Bird's [ ]	Chris Bird
12	Friedman's Sequence	Harvey Friedman
13	Worm function	-
14	Goodstein Sequence	Goodstein
15	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
16	Dimensional Arrays	Jonathan Bowers
17	Linar Arrays	Jonathan Bowers
18	Taro's multivariable Ackermann function	Taro
19	E# with Multiple #	Sbiis Saibian
20	Extended Bowers' Array Notation	Jonathan Bowers
21	Bowers' Array Notation	Jonathan Bowers
22	Bowers' Array Notation	Jonathan Bowers
23	Pete.C function series	Pete
24	CG Function	John Horton Conway, Richard Kenneth Guy
25	Bowers' { }	Jonathan Bowers
26	Chained Arrow	John Horton Conway, Richard Kenneth Guy
27	Clarkkkkson	-
28	Graham's Function $G(n)$	Ronald Graham
29	Graham's Function $g(n)$	Ronald Graham
30	Hyperlicious Function	-
#	FPCI 被发明 同年 Carlson 记号被提出	
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Duchhart's OCF	Duchhart

排名	名称	提出者
3	Rathjen's $\Xi$	Rathjen
4	Rathjen's $\chi$	Rathjen
5	Mahlo OCF	-
6	$I$ OCF	Gerhard Jäger, Wilfried Buchholz
7	Buchholz's $\Phi$	Wilfried Buchholz
8	Ordinal diagrams	Gaisi Takeuti
9	Feferman's $\theta$	Fefermann
10	Buchholz's Hydra	Wilfried Buchholz
11	Buchholz's $\psi$ Function	Wilfried Buchholz
12	SCG Function	-
13	SSCG Function	-
14	Patterns of Resemblance	Carlson
15	Wilken's $\theta$	Gunnar Wilken

### G.31 2010 年

排名	名称	提出者
	大数	
1	Bird's Array (V1)	Chris Bird
2	Bowers' Exploding Array Function	Jonathan Bowers
3	Bowers' &	Jonathan Bowers
4	Hyper-E Notation	Sbiis Saibian
5	E# with # Hyper Operation	Sbiis Saibian
6	Bower's Dimensional Arrays with [ ]	-
7	Bird's multiple [ ]	Chris Bird
8	marxen.c function	Heiner Marxen
9	Multi Dimensional Arrays	Jonathan Bowers

排名	名称	提出者
10	$E\#$ with $\#$ Operation	Sbiis Saibian
11	Bird's $[]$	Chris Bird
12	Friedman's Sequence	Harvey Friedman
13	Worm function	-
14	Goodstein Sequence	Goodstein
15	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
16	Dimensional Arrays	Jonathan Bowers
17	Linar Arrays	Jonathan Bowers
18	Taro's multivariable Ackermann function	Taro
19	$E\#$ with Multiple $\#$	Sbiis Saibian
20	Extended Bowers' Array Notation	Jonathan Bowers
21	Bowers' Array Notation	Jonathan Bowers
22	Bowers' Array Notation	Jonathan Bowers
23	Pete.C function series	Pete
24	CG Function	John Horton Conway, Richard Kenneth Guy
25	Bowers' $\{\}$	Jonathan Bowers
26	Chained Arrow	John Horton Conway, Richard Kenneth Guy
27	Clarkkkkson	-
28	Graham's Function $G(n)$	Ronald Graham
29	Graham's Function $g(n)$	Ronald Graham
30	Hyperlicious Function	-
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Duchhart's OCF	Duchhart
3	Rathjen's $\Xi$	Rathjen



排名	名称	提出者
4	Rathjen's $\chi$	Rathjen
5	Mahlo OCF	-
6	$I$ OCF	Gerhard Jäger, Wilfried Buchholz
7	Buchholz's $\Phi$	Wilfried Buchholz
8	Ordinal diagrams	Gaisi Takeuti
9	Feferman's $\theta$	Fefermann
10	Buchholz's Hydra	Wilfried Buchholz
11	Buchholz's $\psi$ Function	Wilfried Buchholz
12	SCG Function	-
13	SSCG Function	-
14	Patterns of Resemblance	Carlson
15	Wilken's $\theta$	Gunnar Wilken

## G.32 2011 年

排名	名称	提出者
	大数	
1	Bird's Array (V2)	Chris Bird
2	Bird's $\sim$	Chris Bird
3	Bird's Array (V1)	Chris Bird
4	Bowers' Exploding Array Function	Jonathan Bowers
5	Bowers' $\&$	Jonathan Bowers
6	Hyper-E Notation	Sbiis Saibian
7	E# with # Hyper Operation	Sbiis Saibian
8	Bower's Dimensional Arrays with [ ]	-
9	Bird's multiple [ ]	Chris Bird
10	marxen.c function	Heiner Marxen

排名	名称	提出者
11	Multi Dimensional Arrays	Jonathan Bowers
12	E# with # Operation	Sbiis Saibian
13	Bird's []	Chris Bird
14	Friedman's Sequence	Harvey Friedman
15	Worm function	-
16	Goodstein Sequence	Goodstein
17	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
18	Dimensional Arrays	Jonathan Bowers
19	Linar Arrays	Jonathan Bowers
20	Taro's multivariable Ackermann function	Taro
21	E# with Multiple #	Sbiis Saibian
22	Bird's Linar Arrays	Chris Bird
23	C Function Peter	Hurford
24	Extended Bowers' Array Notation	Jonathan Bowers
25	Bowers' Array Notation	Jonathan Bowers
26	Bowers' Array Notation	Jonathan Bowers
27	Pete.C function series	Pete
28	CG Function	John Horton Conway, Richard Kenneth Guy
29	Bowers' {}	Jonathan Bowers
30	Chained Arrow	John Horton Conway, Richard Kenneth Guy
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Stegart's Large OCF	Jan-Carl Stegart
3	Stegart's Small OCF	Jan-Carl Stegart
4	Duchhart's OCF	Duchhart

排名	名称	提出者
5	Rathjen's $\Xi$	Rathjen
6	Rathjen's $\chi$	Rathjen
7	Mahlo OCF	-
8	$I$ OCF	Gerhard Jäger, Wilfried Buchholz
9	Buchholz's $\Phi$	Wilfried Buchholz
10	Ordinal diagrams	Gaisi Takeuti
11	Feferman's $\theta$	Fefermann
12	Buchholz's Hydra	Wilfried Buchholz
13	Buchholz's $\psi$ Function	Wilfried Buchholz
14	SCG Function	-
15	SSCG Function	-

### G.33 2012 年

排名	名称	提出者
	大数	
1	Bird's Array (V2)	Chris Bird
2	Bird's $\sim$	Chris Bird
3	Bird's Array (V1)	Chris Bird
4	Bowers' Exploding Array Function	Jonathan Bowers
5	Bowers' $\&$	Jonathan Bowers
6	Hyper-E Notation	Sbiis Saibian
7	E# with # Hyper Operation	Sbiis Saibian
8	Bower's Dimensional Arrays with [ ]	-
9	Bird's multiple [ ]	Chris Bird
10	marxen.c function	Heiner Marxen
11	Fusible number	-

排名	名称	提出者
12	Multi Dimensional Arrays	Jonathan Bowers
13	E# with # Operation	Sbiis Saibian
14	Bird's [ ]	Chris Bird
15	Friedman's Sequence	Harvey Friedman
16	Worm function	-
17	Goodstein Sequence	Goodstein
18	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
19	Dimensional Arrays	Jonathan Bowers
20	Linar Arrays	Jonathan Bowers
21	Taro's multivariable Ackermann function	Taro
22	E# with Multiple #	Sbiis Saibian
23	Bird's Linar Arrays	Chris Bird
24	Linar R Function (Old)	HypCos
25	C Function Peter	Hurford
26	Extended Bowers' Array Notation	Jonathan Bowers
27	Bowers' Array Notation	Jonathan Bowers
28	Bowers' Array Notation	Jonathan Bowers
29	Pete.C function series	Pete
30	CG Function	John Horton Conway, Richard Kenneth Guy
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Stegart's Large OCF	Jan-Carl Stegart
3	Stegart's Small OCF	Jan-Carl Stegart
4	Duchhart's OCF	Duchhart
5	Rathjen's $\Xi$	Rathjen

排名	名称	提出者
6	Rathjen's $\chi$	Rathjen
7	Mahlo OCF	-
8	$I$ OCF	Gerhard Jäger, Wilfried Buchholz
9	Buchholz's $\Phi$	Wilfried Buchholz
10	Ordinal diagrams	Gaisi Takeuti
11	Feferman's $\theta$	Fefermann
12	Buchholz's Hydra	Wilfried Buchholz
13	Buchholz's $\psi$ Function	Wilfried Buchholz
14	SCG Function	-
15	SSCG Function	-

### G.34 2013 年

排名	名称	提出者
	大数	
1	Dollar Function	Wythagoras
2	Linar R Function	HypCos
3	Hyper-factorial Array Notation	Lawerence Hollom
4	Bowers' Exploding Array Function	Jonathan Bowers
5	Bird's $U(n)$	function Chris Bird
6	Bowers' &	Jonathan Bowers
7	Bird's Array (V2)	Chris Bird
8	Bird's $\sim$	Chris Bird
9	Bird's $S(n)$ function	Chris Bird
10	Bird's Array (V1)	Chris Bird
11	Bird's $H(n)$ function	Chris Bird
12	Extended Hyper-E	-

排名	名称	提出者
13	Hyper-E Notation	Sbiis Saibian
14	E# with # Hyper Operation	Sbiis Saibian
15	Bower's Dimensional	Arrays with [ ] -
16	Bird's multiple [ ]	Chris Bird
17	marxen.c function	Heiner Marxen
18	Fusible number	-
19	Multi Dimensional Arrays	Jonathan Bowers
20	E# with #	Operation Sbiis Saibian
21	Bird's [ ]	Chris Bird
22	Friedman's Sequence	Harvey Friedman
23	Worm function	-
24	Goodstein Sequence	Goodstein
25	Kirby-Paris Hydra	Laurie Kirby, Jeff Paris
26	Cascading-E Notation	Sbiis Saibian
27	Dimensional Arrays	Jonathan Bowers
28	Linar Arrays	Jonathan Bowers
29	Taro's multivariable Ackermann function	Taro
30	E# with multiple #	Sbiis Saibian
	序数	
1	Rathjen's Ordinal Collapsing Function	Rathjen
2	Stegart's Large OCF	Jan-Carl Stegart
3	Stegart's Small OCF	Jan-Carl Stegart
4	Duchhart's OCF	Duchhart
5	Rathjen's $\Xi$	Rathjen
6	$K$ OCF	-
7	Rathjen's $\chi$	Rathjen

排名	名称	提出者
8	Mahlo OCF	-
9	$I$ OCF	Gerhard Jäger, Wilfried Buchholz
10	Buchholz's $\Phi$	Wilfried Buchholz
11	Ordinal diagrams	Gaisi Takeuti
12	Feferman's $\theta$	Fefermann
13	Buchholz's Hydra	Wilfried Buchholz
14	Buchholz's $\psi$ Function	Wilfried Buchholz
15	SCG Function	-

### G.35 2014 年

排名	名称	提出者
1	[ ]-Stb	HypCos
2	Rathjen's Ordinal Collapsing Function	Rathjen
3	Catching Function	HypCos
4	$R$ Function	HypCos
5	Bowers' Exploding Array Function	Jonathan Bowers
6	Stegart's Large OCF	Jan-Carl Stegart
7	Stegart's Small OCF	Jan-Carl Stegart
8	Duchhart's OCF	Duchhart
9	Dollar Function	Wythagoras
10	Rathjen's $\Xi$	Rathjen
11	$K$ OCF	-
12	Rathjen's $\chi$	Rathjen
13	Mahlo OCF	-
14	Linar $R$ Function	HypCos
15	Hyper-factorial Array Notation	Lawerence Hollom

排名	名称	提出者
16	$I$ OCF	Gerhard Jäger Wilfried Buchholz
17	Buchholz's $\Phi$	Wilfried Buchholz
18	Bird's Array	Chris Bird
19	Ordinal diagrams	Gaisi Takeuti
20	Feferman's $\theta$	Fefermann
21	Buchholz's Hydra	Wilfried Buchholz
22	Buchholz's $\psi$ Function	Wilfried Buchholz
23	SCG Function	-
24	SSCG Function	-
25	Bowers' &	Jonathan Bowers
26	Taranovsky's Ordinal Notation (Old)	Taranovsky
27	Patterns of Resemblance	Carlson
28	Wilken's $\theta$	Gunnar Wilken
29	Extended Hyper-E	-
30	1st Catching Point of G/F	Girard
31	Bird's $U(n)$ function	Chris Bird
32	Bird's Array (V2)	Chris Bird
33	Bird's $\sim$	Chris Bird
34	Madore's $\psi$ Function	Madore
35	Bachmann's $\psi$	Bachmann
36	Bird's $S(n)$ function	Chris Bird
37	Bird's Array (V1)	Chris Bird
38	Bird's $H(n)$ function	Chris Bird
39	Veblen Function	Oswald Veblen
40	TREE function	Harvey Friedman



**G.36 2015 年**

排名	名称	提出者
1	Taranovsky's Ordinal Notation	Taranovsky
2	Trio Sequence System	Bashicu
3	[ ]-Stb	HypCos
4	Catching Function	HypCos
5	Strong Array Notation	HypCos
6	Rathjen's Ordinal Collapsing Function	Rathjen
7	$R$ Function	HypCos
8	Bowers' Exploding Array Function	Jonathan Bowers
9	Secondry Dropping Array Notation	HypCos
10	Degrees of Reflection	Taranovsky
11	Stegart's Large OCF	Jan-Carl Stegart
12	Pirmary Dropping Array Notation	HypCos
13	Stegart's Small OCF	Jan-Carl Stegart
14	Duchhart's OCF	Duchhart
15	Dollar Function	Wythagoras
16	Rathjen's $\Xi$	Rathjen
17	$K$ OCF	-
18	Rathjen's $\chi$	Rathjen
19	Mahlo OCF	-
20	Linar $R$ Function	HypCos
21	Hyper-factoral Array Notation	Lawerence Hollom
22	$I$ OCF	Gerhard Jäger Wilfried Buchholz
23	Buchhoz's $\Phi$	Wilfried Buchholz
24	Bird's $H(n)$ function	Chris Bird
25	Bird's Array	Chris Bird

排名	名称	提出者
26	Ordinal diagrams	Gaisi Takeuti
27	Feferman's $\theta$	Fefermann
28	Buchholz's Hydra	Wilfried Buchholz
29	Buchholz's $\psi$ Function	Wilfried Buchholz
30	SCG Function	-
31	SSCG Function	-
32	Bowers' &	Jonathan Bowers
33	Taranovsky's Ordinal Notation (Old)	Taranovsky
34	Patterns of Resemblance	Carlson
35	Wilken's $\theta$	Gunnar Wilken
36	Pair Sequence System	Bashicu
37	Extended Hyper-E	-
38	Mulptily Expanding Array Notation	HypCos
39	1st Catching Point of G/F	Girard
40	Bird's $U(n)$ function	Chris Bird

### G.37 2016 年

排名	名称	提出者
1	Taranovsky's Ordinal Notation	Taranovsky
2	Trio Sequence System	Bashicu
3	[ ]-Stb	HypCos
4	Rathjen's Ordinal Collapsing Function	Rathjen
5	Iteration of n-built from below	Taranovsky
6	Built-from-below	Taranovsky
7	Degrees of Reflection	Taranovsky
8	Reflection configuration	Taranovsky

排名	名称	提出者
9	Catching Function	HypCos
10	Strong Array Notation	HypCos
11	Dropping hydra	HypCos
12	$R$ Function	HypCos
13	3-Dropping hydra	HypCos
14	Bowers' Exploding Array Function	Jonathan Bowers
15	Secondry Dropping Array Notation	HypCos
16	Stegart's Large OCF	HypCos
17	Pirmary Dropping Array Notation	Jan-Carl Stegart
18	Stegart's Small OCF	HypCos
19	2-Dropping hydra	Jan-Carl Stegart
20	Duchhart's OCF	Wythagoras
21	Dollar Function	Duchhart
22	Rathjen's $\Xi$	Rathjen
23	$K$ OCF	-
24	Rathjen's $\chi$	Rathjen
25	Mahlo OCF	-
26	Linar $R$ Function	HypCos
27	Hyper-factoral Array Notation	Lawerence Hollom
28	$I$ OCF	Gerhard Jäger Wilfried Buchholz
29	Buchhoz's $\Phi$	Wilfried Buchholz
30	Extended Buchholz's $\psi$ Function	Denis Maksudov
31	Bird's $H(n)$ function	Chris Bird
32	Bird's Array	Chris Bird
33	Ordinal diagrams	Fefermann
34	Feferman's $\theta$	Gaisi Takeuti

排名	名称	提出者
35	Buchholz's Hydra	Wilfried Buchholz
36	Buchholz's $\psi$ Function	Wilfried Buchholz
37	SCG Function	-
38	SSCG Function	-
39	Bowers' &	Jonathan Bowers
40	Taranovsky's Ordinal Notation (Old)	Taranovsky

### G.38 2017 年

排名	名称	提出者
1	Taranovsky's Ordinal Notation	Taranovsky
2	idealized Bashicu Martix System	Bashicu
3	Trio Sequence System	Bashicu
4	primary Dropper Dropping Notation	HypCos
5	[ ]-Stb	HypCos
6	Rathjen's Ordinal Collapsing Function	Rathjen
7	WDmEN	HypCos
8	Iteration of n-built from below	Taranovsky
9	Built-from-below	Taranovsky
10	Degrees of Reflection	Taranovsky
11	Reflection configuration	Taranovsky
12	Catching Function	HypCos
13	Multiple Weak Declinator Expanding	HypCos
14	Weak Declinator Expanding	HypCos
15	Nested Dropping Array Notation	HypCos
16	Strong Array Notation	HypCos
17	Dropping hydra	HypCos

排名	名称	提出者
18	$R$ Function	HypCos
19	3-Dropping hydra	HypCos
20	Bowers' Exploding Array Function	Jonathan Bowers
21	Secondry Dropping Array Notation	HypCos
22	Stegart's Large OCF	Jan-Carl Stegart
23	Pirmary Dropping Array Notation	HypCos
24	Stegart's Small OCF	Jan-Carl Stegart
25	2-Dropping hydra	HypCos
26	Duchhart's OCF	Duchhart
27	Dollar Function	Wythagoras
28	Rathjen's $\Xi$	Rathjen
29	$K$ OCF	-
30	Rathjen's $\chi$	Rathjen
31	Mahlo OCF	-
32	Linar $R$ Function	HypCos
33	Hyper-factoral Array Notation	Lawerence Hollom
34	$I$ OCF	Gerhard Jäger Wilfried Buchholz
35	Buchhoz's $\Phi$	Wilfried Buchholz
36	Sudden Sequence System	Bashicu
37	Extended Buchholz's $\psi$ Function	Denis Maksudov
38	Bird's $H(n)$ function	Chris Bird
39	Bird's Array	Chris Bird
40	Ordinal diagrams	Gaisi Takeuti
#	Little Bigeddon 被 Emlightened 提出	

## G.39 2018 年

排名	名称	提出者
1	Bashicu Matrix System	Bashicu
2	BMOCF	P 進大好き bot
3	idealized Bashicu Martix System	Bashicu
4	Quadro Sequence System	Bashicu
5	Trio Sequence System	Bashicu
6	primary Dropper Dropping Notation	HypCos
7	[ ]-Stb	HypCos
8	Rathjen's Ordinal Collapsing Function	Rathjen
9	Sudden Hydra	Bashicu
10	WDmEN	HypCos
11	Iteration of n-built from below	Taranovsky
12	Built-from-below	Taranovsky
13	Degrees of Reflection	Taranovsky
14	Reflection configuration	Taranovsky
15	Catching Function	HypCos
16	Multiple Weak Declinator Expanding	HypCos
17	Weak Declinator Expanding	HypCos
18	Nested Dropping Array Notation	HypCos
19	Username5243's OCF	Username5243
20	Taranovsky's Ordinal Notation	Taranovsky
21	Strong Array Notation	HypCos
22	Dropping hydra	HypCos
23	R Function	HypCos
24	NICE Function	Naroyuko
25	3-Dropping hydra	HypCos
26	Bowers' Exploding Array Function	Jonathan Bowers

排名	名称	提出者
27	Secondry Dropping Array Notation	HypCos
28	Stegart's Large OCF	Jan-Carl Stegart
29	Pirmary Dropping Array Notation	HypCos
30	Stegart's Small OCF	Jan-Carl Stegart
31	2-Dropping hydra	HypCos
32	$\pi$ Notation	Username5243
33	Duchhart's OCF	Duchhart
34	Dollar Function	Wythagoras
35	Weak Username5243's OCF	Username5243
36	Rathjen's $\Xi$	Rathjen
37	$K$ OCF	-
38	Rathjen's $\chi$	Rathjen
39	Mahlo OCF	-
40	Linar $R$ Function	HypCos
#	Sasquatch 被 Emlightened 提出	

## G.40 2019 年

排名	名称	提出者
1	Bubby3 TBMS Extended	Bubby3
2	Bubby3 TBMS Normal	Bubby3
3	Bashicu Sudden Matrix	Bashicu
4	Bashicu Hyper Matrix	Bashicu
5	Bashicu Matrix System	Bashicu
6	Bashicu Matrix V4.1	Bashicu
7	BMOCF	P 進大好き bot
8	idealized Bashicu Martix System	Bashicu

排名	名称	提出者
9	Quadro Sequence System	Bashicu
10	Trio Sequence System	Bashicu
11	primary Dropper Dropping Notation	HypCos
12	[ ]-Stb	HypCos
13	Rathjen's Ordinal Collapsing Function	Rathjen
14	Sudden Hydra	Bashicu
15	WDmEN	HypCos
16	Iteration of n-built from below	Taranovsky
17	Built-from-below	Taranovsky
18	Degrees of Reflection	Taranovsky
19	Reflection configuration	Taranovsky
20	Multiple Weak Declinator Expanding	HypCos
21	Weak Declinator Expanding	HypCos
22	Nested Dropping Array Notation	HypCos
23	Username5243's OCF	Username5243
24	Taranovsky's Ordinal Notation	Taranovsky
25	Strong Array Notation	HypCos
26	Dropping hydra	HypCos
27	R Function	HypCos
28	NICE Function	Naroyuko
29	3-Dropping hydra	HypCos
30	Secondry Dropping Array Notation	HypCos
31	Catching Function	HypCos
32	Stegart's Large OCF	Jan-Carl Stegart
33	Pirmary Dropping Array Notation	HypCos
34	Stegart's Small OCF	Jan-Carl Stegart



排名	名称	提出者
35	2-Dropping hydra	HypCos
36	Order Level Array Notation V3	ych
37	$\pi$ Notation	Username5243
38	Duchhart's OCF	Duchhart
39	Dollar Function	Wythagoras
40	Weak Username5243's OCF	Username5243

## G.41 2020 年

排名	名称	提出者
1	Y Sequence	Yukito
2	Bubby3 TBMS Extended	Bubby3
3	Bubby3 TBMS Normal	Bubby3
4	Hassium's TBMS	Hassium
5	Weak Splatium TBMS	Bubby3
6	Bashicu Sudden Matrix	Bashicu
7	Bashicu Hyper Matrix	Bashicu
8	Bashicu Matrix System	Bashicu
9	Bashicu Matrix V4.1	Bashicu
10	0–Y Sequence	Yukito
11	BMOCF	P 進大好き bot
12	idealized Bashicu Martix System	Bashicu
13	Quadro Sequence System	Bashicu
14	Small Hyper Projection Notation	test_alpha0
15	Trio Sequence System	Bashicu
16	Simple Projection	test_alpha0
17	ex-UNOCF	P 進大好き bot

排名	名称	提出者
18	3–Projection	test_alpha0
19	primary Dropper Dropping Notation	HypCos
20	[ ]–Stb	HypCos
21	Rathjen’s Ordinal Collapsing Function	Rathjen
22	Sudden Hydra	Bashicu
23	WDmEN	HypCos
24	Iteration of n-built from below	Taranovsky
25	Built-from-below	Taranovsky
26	Degrees of Reflection	Taranovsky
27	Reflection configuration	Taranovsky
28	2–Projection	test_alpha0
29	Multiple Weak Declinator Expanding	HypCos
30	Weak Declinator Expanding	HypCos
31	Nested Dropping Array Notation	HypCos
32	Username5243’s OCF	Username5243
33	Taranovsky’s Ordinal Notation	Taranovsky
34	Strong Array Notation	HypCos
35	Dropping hydra	HypCos
36	$R$ Function	HypCos
37	Order Level Array Notation V4	ych
38	NICE Function	Naroyuko
39	3–Dropping hydra	HypCos
40	Secondry Dropping Array Notation	HypCos

## G.42 2021 年

排名	名称	提出者
1	Crater BMS	Bubby3, Aarex
2	$\omega$ -Y Sequence	Yukito, naruyoko
3	2-Y Sequence	Yukito, naruyoko
4	Y Sequence	Yukito
5	Dimensional Bashicu Martix System	-
6	$\omega+1$ row Y	-
7	Bubby3 TBMS Extended	Bubby3
8	Bubby3 TBMS Normal	Bubby3
9	Aarex's strong ex-UNOCF with \$	Aarex
10	Hassium's TBMS	Hassium
11	Weak Splatium TBMS	Bubby3
12	Uncountable TBMS	-
13	Apotheosis Ordinal Notation	-
14	Bashicu Sudden Matrix	Bashicu
15	Bashicu Hyper Matrix	Bashicu
16	Bashicu Matrix System	Bashicu
17	Bashicu Matrix V4.1	Bashicu
18	0-Y Sequence	Yukito
19	BMOCF	P 進大好き bot
20	idealized Bashicu Martix System	Bashicu
21	$\Sigma_2$ Stb System	Yukito
22	Quadro Sequence System	Bashicu
23	Small Hyper Projection Notation	test_alpha0
24	Non-recursive TON	Taranovsky
25	Weak MCS projection	test_alpha0
26	Trio Sequence System	Bashicu

排名	名称	提出者
27	HPrSS $\psi$	-
28	Simple Projection	test_alpha0
29	ex-UNOCF	P 進大好き bot
30	3-Projection	test_alpha0
31	primary Dropper Dropping Notation	HypCos
32	Lifting $K$ -Notation	test_alpha0
33	[ ]-Stb	HypCos
34	Rathjen's Ordinal Collapsing Function	Rathjen
35	Sudden Hydra	Bashicu
36	WDmEN	HypCos
37	Lifting $\Omega$ Notation	test_alpha0
38	Iteration of n-built from below	Taranovsky
39	Built-from-below	Taranovsky
40	Degrees of Reflection	Taranovsky

### G.43 2022 年

排名	名称	提出者
1	fake fake fake Z function	yahtzee
2	Strong $\Omega$ -Y	-
3	Crater BMS	Bubby3, Aarex
4	Yto's Y-Y	-
5	$\Omega$ -Y Sequence	CIF, HypCos
6	$\omega$ -Y Sequence	Yukito, naruyoko
7	2-Y Sequence	Yukito, naruyoko
8	Patterns of Resemblance	Carlson
9	Y Sequence	Yukito

排名	名称	提出者
10	VZ-Sequense	-
11	Dimensional Bashicu Martix System	-
12	$\omega+1$ row Y	-
13	Bubby3 TBMS Extended	Bubby3
14	Bubby3 TBMS Normal	Bubby3
15	Aarex's TBMS	Aarex
16	Aarex's strong ex-UNOCF with \$	Aarex
17	Aarex's Redirection	Aarex
18	Hassium's TBMS	Hassium
19	Weak Splatium TBMS	Bubby3
20	Uncountable TBMS	-
21	Crazy-Hydra Notation	Gomen
22	Apotheosis Ordinal Notation	-
23	Bashicu Sudden Matrix	Bashicu
24	Bashicu Hyper Matrix	Bashicu
25	Bashicu Matrix System	Bashicu
26	Bashicu Matrix V4.1	Bashicu
27	0–Y Sequence	Yukito
28	BMOCF	P 進大好き bot
29	idealized Bashicu Martix System	Bashicu
30	$\Sigma_2$ Stb System	Yukito
31	Quadro Sequence System	Bashicu
32	strong DLON	Aarex
33	Small Hyper Projection Notation	test_alpha0
34	Strong ex-UNOCF	-
35	Non-recursive TON	Taranovsky

排名	名称	提出者
36	Weak MCS projection	test_alpha0
37	Trio Sequence System	Bashicu
38	HPrSS $\psi$	-
39	Simple Projection	test_alpha0
40	ex-UNOCF	P 進大好き bot

## G.44 2023 年

排名	名称	提出者
1	Mutant Martix System	Aarex
2	Nested Crater Y	Bubby3
3	Crater Y	Bubby3, Aarex
4	Strong $\Omega$ -Y	-
5	Crater BMS	Bubby3, Aarex
6	Yto's Y-Y	-
7	$\Omega$ -Y Sequence	CIF, HypCos
8	X-Y Sequence	Gomen
9	$\omega$ -Y Sequence	Yukito, naruyoko
10	Dementional $n$ -Y	series Gomen
11	2-Y Sequence	Yukito, naruyoko
12	Strong Y Sequence	-
13	Y Sequence	Yukito
14	VZ-Sequense	-
15	Dimensional Bashicu Martix System	-
16	Simpleness Admissble Mark	夏夜星空
17	fake fake fake Z function	yahtzee
18	$\omega+1$ row Y	-

排名	名称	提出者
19	Bubby3 TBMS Extended	Bubby3
20	Strong Splatium TBMS	-
21	Bubby3 TBMS Normal	Bubby3
22	Aarex's TBMS	Aarex
23	Aarex's strong ex-UNOCF with \$	Aarex
24	Aarex's Redirection	Aarex
25	Hassium's TBMS	Hassium
26	Weak Splatium TBMS	Bubby3
27	Strong ex-UNOCF Redirection+rows	-
28	Strong ex-UNOCF Defection+1-plus rows	-
29	Uncountable TBMS	-
30	Crazy-Hydra Notation	Gomen
31	Arai's OCF	Toshiyasu Arai
32	Apotheosis Ordinal Notation	-
33	Patterns of Resemblance	Carlson
34	Bashicu Sudden Matrix	Bashicu
35	Bashicu Hyper Matrix	Bashicu
36	Crane Matrix System	test_alpha0
37	Bashicu Matrix System	Bashicu
38	Bashicu Matrix V4.1	Bashicu
39	0–Y Sequence	Yukito
40	Hierarchial Increase Unit Notation	318°4

G.45 2024 年上半年

排名	名称	提出者
1	Fake Fake Fake Z rules	Asheep233 & xyxk

排名	名称	提出者
2	Remaining Y System	-
3	$a$ -Y Description	-
4	Basic Ordinal Sequence	qwerty
5	$b$ -FOS 318'4	
6	X-Y Sequence	Gomen
7	Nested Crater Y	Bubby3
8	Crater Y	Bubby3 & Aarex
9	Mutant Martix System	Aarex
10	Strong $\Omega$ -Y	-
11	Crater BMS	Bubby3 & Aarex
12	Yto's Y-Y	-
13	CIF's $\Omega$ -Y Sequence	CIF & Hyp_cos
14	Transfinite DBMS	-
15	$\omega$ -Y Sequence	Yukito & naruyoko
16	Dementional $n$ -Y series	Gomen
17	abc Notation	-
18	2-Y Sequence	Yukito & naruyoko
19	Strong Y Sequence	-
20	Y Sequence	Yukito
21	Apotheosis Ordinal Notation	-
22	VZ-Sequense	-
23	Proportional Difference Martix	318'4
24	fake fake fake Z function	yahtzee
25	$\omega + 1$ row Y	-
26	Bracket Sequence System	貓娘
27	Bubby3 TBMS Extended	Bubby3



排名	名称	提出者
28	Strong Splatium TBMS	-
29	Bubby3 TBMS Normal	Bubby3
30	Aarex’s TBMS	Aarex
31	Aarex’s strong ex-UNOCF with \$	Aarex
32	Aarex’s Redirection	Aarex
33	Hassium’s TBMS	Hassium
34	Weak Splatium TBMS	Bubby3
35	$\alpha$ –Ordinaal Notation	Bugit
36	Strong ex-UNOCF Redirection+rows	-
37	Strong ex-UNOCF Defection+1-plus rows	-
38	Uncountable TBMS	-
39	KPrSS	摆烂的小猫
40	Crazy-Hydra Notation	Gomen
#	Simpleness Admissble Mark	xyxk

G.46 2024 年下半年

排名	名称	提出者
1	FOS 911	318‘4
2	Fake Fake Fake Z rules	Asheep233 & xyxk
3	Fake Fake Fake Z actions	Yathzee & Aarex
4	X-P	最菜萌新
5	$a$ –Y Description	-
6	$\omega \cdot 2$ Mountain Notation	Hyp_cos
7	Mutant Martix System	Aarex & Hyp_cos
8	X–Y Sequence	Gomen
9	Nested Crater Y	Bubby3

排名	名称	提出者
10	High Elevate System	xyxk
11	Crater Y	Bubby3 & Aarex
12	Differential Matrix System	xyxk & Asheep233
13	SFSS	waffle3z
14	Strong $\Omega$ -Y	-
15	Experimental Remaning Matrix	Asheep233
16	Crater BMS	Bubby3 & Aarex
17	Yto's Y-Y	-
18	Transfinite $\omega$ Mountain Notation	Hyp_cos
19	CIF's $\Omega$ -Y Sequence	CIF & Hyp_cos
20	Transfinite DBMS	-
21	$\omega$ -Y Sequence	Yukito & naruyoko
22	Mountain Notation	Hyp_cos
23	$\omega \sim Y$ Sequence (Dimensional)	Gomen
24	$\omega$ -Dimension Multi Layer BMS Relation	Asheep233
25	abc Notation	-
26	2-Y Sequence	Yukito & naruyoko
27	Strong Y Sequence	-
28	Remaining Y System	-
29	Y Sequence	Yukito
30	Apotheosis Ordinal Notation	-
31	VZ-Sequense	-
32	Proportional Difference Martix	318'4
33	$\omega + 1$ row Y	-
34	Basic Laver Pattern	Test_alpha0
35	Bracket Sequence System	貓娘

排名	名称	提出者
36	Bubby3 TBMS Extended	Bubby3
37	Strong Splatium TBMS	-
38	Bubby3 TBMS Normal	Bubby3
39	Aarex's TBMS	Aarex
40	Aarex's strong ex-UNOCF with \$	Aarex



## 附录 H 直接引用或者翻译的文献

由于作者水平所限，讲义中仍然包含着大量直接引用其他资料或者翻译其他资料的章节。作者感谢这些珍贵资料的创作者所付出的艰辛的努力，这些部分的内容应当全部归功于原作者。在本附录中，我们将对具体的章节及其来源进行说明，

### vol.1

#### Veblen 函数

“扩展序元 Veblen 函数”一节的内容直接引自梅天狸的知乎文章<sup>[214]</sup>。“弱 Veblen 函数”一节分析引自 phyrion 的分析。

#### 序数折叠函数

“FGH 与 SGH 的追平”一节的内容摘录自梅天狸的知乎文章<sup>[215]</sup>。

#### 大数相关问题（一）

“tree 函数和 TREE 函数”一节中的部分内容直接引自 HypCos 的知乎文章<sup>[216]</sup>。

#### 反射序数

本章部分内容直接引自梅天狸的知乎文章<sup>[217]</sup>，部分内容直接引自绵羊的知乎文章<sup>[218]</sup>。

#### 稳定序数

本章内容直接引自绵羊的知乎文章<sup>[219-225]</sup>。

#### 投影序数

本章内容直接引自绵羊的知乎文章<sup>[226-228]</sup>。

#### Bashicu 矩阵

“BMS 的强度”和“提升效应初探”两节的内容直接引自梅天狸的分析<sup>[229,6]</sup>，“BMS 的停机证明”一节内容直接引自反物质永恒之念的知乎文章<sup>[230]</sup>。

## Y 序列

“Y 序列的强度”一节引自<sup>[231,2]</sup>，“Y(1,3,4,3) 提升”一节的内容直接引自绵羊的知乎文章<sup>[232-234]</sup>。

## 大数相关问题（二）

“Loader 函数”一节内容翻译自<sup>[235]</sup>，“有限承诺游戏”一节内容翻译自 Googology Wiki 的相应词条<sup>[159]</sup>，“Friedman 有限数函数”一节内容翻译自 Googology Wiki 的相应词条<sup>[160]</sup>，“贪心团序列函数”一节内容翻译自 Googology Wiki 的相应词条<sup>[161]</sup>，“Laver 表”一节内容翻译自 Googology Wiki 的相应词条<sup>[162]</sup>，“Laver Table Yarn”一节内容翻译自文献<sup>[236]</sup>。

## 可计算性理论

“Kleene's O”一节翻译自 Googology Wiki 的词条<sup>[164,237]</sup>。

## 不可计算数

“输出最大数的程序”一节的内容直接引自 HypCos 的知乎文章<sup>[238]</sup>，“TR 函数”一节翻译自 Googology Wiki 的词条<sup>[239]</sup>，“无限时间 Turing 机”一节翻译自 Googology Wiki 的词条<sup>[168]</sup>，“超计算模型”一节的内容翻译自<sup>[240]</sup>。

## 不可定义数

“大数花园数”一节翻译自 P 進大好き bot 的日文原文<sup>[241]</sup>。“DaVinci 数”一节内容翻译自 DaVinci 的文章<sup>[171]</sup>。

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## 良序性证明

“PrSS 停机性”一节的内容翻译自<sup>[242]</sup>的日文原文，“BMS 的停机证明”一节内容直接引自反物质永恒之念的知乎文章<sup>[230]</sup>，“变换映射”一节的内容翻译自<sup>[243]</sup>的日文原文，“PSS 停机性”一节的内容翻译自<sup>[244]</sup>的日文原文，“HPrSS 停机性”一节的内容翻译自<sup>[245]</sup>的日文原文，“DBMS 与 Y(1,3) 的转换（未完成）”一节的内容翻译自<sup>[246]</sup>的日文原文，“强制箭头记号的停机性”一节的内容翻译自<sup>[247]</sup>的日文原文，“巨型市场树的分析”一节的内容翻译自<sup>[248]</sup>的日文原文，“Hidohido 的停机证明”一节的内容翻译自<sup>[249]</sup>的日文原文。

## 形式化大数数学

“至 BO 的 OCF”一节的内容翻译自<sup>[250]</sup>，“Coq 形式化大数数学”一节的内容直接引自<sup>[251]</sup>，本章其余内容引自 ocau 的知乎专栏<sup>[252-263]</sup>。

## 序数折叠函数（二）

本章中的各个版本记号翻译自英文原文，见各节的参考文献。

## 大数相关问题（三）

“tree(4) 的下界”一节的内容直接引自 HypCos 的知乎文章<sup>[264]</sup>，“SCG 平面图编序”一节的内容翻译自 HypCos 的文章<sup>[265]</sup>，“BB(5) 的证明”一节的内容翻译自 BBChallenge 合作组的论文<sup>[266]</sup>。

## Bowers 数阵

“Bowers 数阵”一章的内容引自<sup>[124,267-269]</sup>。

## Bird 数阵

“Bird 数阵”一章的内容引自<sup>[96,270,124]</sup>。

## 美元记号

“美元数阵”一章的内容翻译自 GoogologyWiki 的词条<sup>[271,131]</sup>。

## 强数阵

“强数阵”一章的分析引自<sup>[2]</sup>，“R”函数一节翻译自<sup>[272-281]</sup>，“Dropping Hydra 记号”一节翻译自<sup>[282]</sup>，其余内容翻译自 HypCos 的文章<sup>[283-311]</sup>。

## Username's OCF

“Username's OCF”一章的内容翻译自 Username5243 的文章<sup>[312]</sup>。

## Taranovsky 序数记号

“Taranovsky 序数记号”一章的内容翻译自 HypCos 的文章<sup>[313]</sup>。

## 超越 Rayo 数的记号

“超越 Rayo 数的记号”一章的内容翻译自 GoogologyWiki 的词条<sup>[314-322]</sup>。

## 解析与层次

“解析的增长层次”一节内容翻译自<sup>[323]</sup>，“非经典增长率”一节内容翻译自<sup>[324-325]</sup>，“FGH 与 SGH 的追平”、“追平函数”两节内容直接引自<sup>[215]</sup>，“沙拉数”一节内容直接引自<sup>[326]</sup>。

## Worm 型记号行为

“BHM”分析一节直接引自<sup>[327-334]</sup>，“BSM”分析一节直接引自<sup>[335-343]</sup>，“超限 BMS”一节直接引自<sup>[344-348]</sup>，“Bubby3's TBMS”一节直接引自<sup>[2,232-234]</sup>。

## 游戏与大数

“万智牌最大循环”一节的内容直接引自 HypCos 的知乎文章<sup>[349]</sup>，“几何冲刺”一节的内容翻译自<sup>[350]</sup>，“增量游戏”一节的内容翻译自<sup>[351]</sup>。

## 集合论名词

“集合论复宇宙”一节内容直接引自<sup>[352]</sup>。

## 更高的非递归序数

“容许稳定”一节的内容翻译自 HypCos 的文章<sup>[353]</sup>，“ $\Sigma_2$  稳定”一节的内容直接引自最菜萌新的知乎文章<sup>[354]</sup>，“间隙序数”一节的内容翻译自<sup>[355]</sup>。

## 序列型记号扩展

“X-Y 序列”一节的内容直接引自<sup>[356]</sup>，“山脉记号”一节的内容直接引自<sup>[357]</sup>。

## 传递型记号

“FOS”、“ffz”两节内容直接引自作者本人的定义文档。“ffz”一节的分析引自<sup>[358-377]</sup>。

## 传递型记号

“Arai’s OCF”一节的内容翻译自 Arai 的论文<sup>[378]</sup>，“Laver Table Yarn”一节内容翻译自文献<sup>[236]</sup>，

# vol.3

## 附录

附录“递归序数表”主要引自<sup>[1-2,6-17,24-28,32-37,18-23,29-31,38-41]</sup>，“重要记号及其极限”主要引自<sup>[3]</sup>，“可数非递归序数表”主要引自<sup>[172]</sup>，“证明论序数表”主要引自<sup>[174]</sup>，“有名字的序数表”主要引自<sup>[211]</sup>，“大基数表”主要引自<sup>[212]</sup>，“不同时期记号排名”主要引自 4574 的分析。

# vol.4

## 附录

“习题”部分内容引自<sup>[379]</sup>，“记号的程序定义”见各节的参考文献，“有名字的大数”引自<sup>[5]</sup>，“大型分析”引自<sup>[147,380]</sup>。



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