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| 预处理堆场，现阶段场内分段排布  ('A006', 20, 8)表示（分段编号，分段长，分段宽） | [('A006', 20, 8), ('A043', 20, 9), ('A064', 20, 12)] |
| [('A017', 19, 7), ('A020', 19, 8), ('A037', 19, 10), ('A047', 19, 11), ('A049', 19, 11), ('A054', 19, 9), ('A059', 19, 11)] |
| [('A022', 18, 9), ('A023', 18, 9), ('A027', 18, 11), ('A035', 18, 8), ('A046', 18, 10), ('A050', 18, 7)] |
| [('A001', 17, 8), ('A029', 17, 9), ('A048', 17, 11), ('A060', 17, 9)] |
| [('A004', 16, 10), ('A008', 16, 9), ('A013', 16, 11), ('A018', 16, 8), ('A034', 16, 11), ('A042', 16, 8), ('A045', 16, 10), ('A051', 16, 11), ('A062', 16, 10), ('A067', 16, 7)] |
| [('A012', 15, 9), ('A025', 15, 7), ('A026', 15, 7), ('A033', 15, 9), ('A052', 15, 9), ('A056', 15, 12), ('A057', 15, 10), ('A063', 15, 12), ('A065', 15, 9)] |
| [('A011', 14, 7), ('A015', 14, 8), ('A019', 14, 9), ('A021', 14, 9), ('A024', 14, 10), ('A032', 14, 10), ('A053', 14, 8), ('A066', 14, 9)] |
| [('A005', 13, 9), ('A014', 13, 9), ('A030', 13, 7), ('A038', 13, 7), ('A041', 13, 11), ('A058', 13, 10), ('A061', 13, 11), ('A069', 13, 8)] |
| [('A003', 12, 10), ('A007', 12, 10), ('A009', 12, 8), ('A031', 12, 7), ('A040', 12, 7), ('A070', 12, 11)] |
| [('A002', 11, 9), ('A010', 11, 11), ('A016', 11, 10), ('A028', 11, 7), ('A036', 11, 8), ('A039', 11, 7), ('A044', 11, 9), ('A055', 11, 9)] |
| [('A068', 10, 10)] |

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| 预舾装堆场，现阶段场内分段排布 | [('B028', 20, 8), ('B038', 20, 8), ('B051', 20, 7), ('B054', 20, 8), ('B056', 20, 9)] |
| [('B001', 19, 8), ('B002', 19, 9), ('B008', 19, 11), ('B015', 19, 10), ('B019', 19, 11), ('B020', 19, 8), ('B045', 19, 8), ('B052', 19, 11), ('B055', 19, 7), ('B062', 19, 9)] |
| [('B003', 18, 7), ('B022', 18, 11), ('B031', 18, 12), ('B043', 18, 8), ('B047', 18, 11), ('B064', 18, 10)] |
| [('B021', 17, 8), ('B037', 17, 10), ('B044', 17, 10), ('B063', 17, 11), ('B068', 17, 11), ('B070', 17, 12)] |
| [('B006', 16, 10), ('B007', 16, 9), ('B009', 16, 11), ('B011', 16, 9), ('B023', 16, 11), ('B039', 16, 8), ('B046', 16, 12), ('B050', 16, 7), ('B058', 16, 11), ('B069', 16, 7)] |
| [('B004', 15, 9), ('B013', 15, 9), ('B030', 15, 10), ('B048', 15, 8), ('B065', 15, 12)] |
| [('B016', 14, 8), ('B027', 14, 11), ('B034', 14, 11), ('B036', 14, 12), ('B041', 14, 10), ('B066', 14, 11), ('B067', 14, 7)] |
| [('B005', 13, 10), ('B032', 13, 7), ('B033', 13, 8), ('B040', 13, 9), ('B057', 13, 9), ('B061', 13, 11)] |
| [('B024', 12, 12), ('B025', 12, 11), ('B049', 12, 8)] |
| [('B010', 11, 12), ('B012', 11, 10), ('B014', 11, 8), ('B026', 11, 11), ('B029', 11, 10), ('B035', 11, 9), ('B042', 11, 10), ('B059', 11, 9)] |
| [('B017', 10, 9), ('B018', 10, 12), ('B053', 10, 10), ('B060', 10, 11)] |

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| 涂装堆场，现阶段场内分段排布 | [('C038', 20, 9), ('C043', 20, 11)] |
| [('C003', 19, 7), ('C006', 19, 11), ('C018', 19, 7), ('C066', 19, 12), ('C067', 19, 9)] |
| [('C009', 18, 12), ('C016', 18, 10), ('C019', 18, 10), ('C029', 18, 11), ('C033', 18, 8), ('C061', 18, 8), ('C064', 18, 8)] |
| [('C007', 17, 9), ('C011', 17, 12), ('C013', 17, 9), ('C023', 17, 7), ('C024', 17, 8), ('C041', 17, 8), ('C046', 17, 11)] |
| [('C008', 16, 7), ('C022', 16, 12), ('C070', 16, 10)] |
| [('C002', 15, 12), ('C004', 15, 11), ('C005', 15, 12), ('C014', 15, 11), ('C017', 15, 11), ('C032', 15, 8), ('C040', 15, 10), ('C044', 15, 12), ('C049', 15, 11), ('C053', 15, 11)] |
| [('C021', 14, 9), ('C026', 14, 9), ('C031', 14, 7), ('C037', 14, 7), ('C048', 14, 9), ('C063', 14, 11)] |
| [('C001', 13, 9), ('C028', 13, 11), ('C045', 13, 8), ('C051', 13, 11), ('C059', 13, 12), ('C068', 13, 9)] |
| [('C010', 12, 10), ('C012', 12, 10), ('C020', 12, 11), ('C025', 12, 9), ('C027', 12, 11), ('C030', 12, 8), ('C034', 12, 10), ('C035', 12, 11), ('C039', 12, 7), ('C042', 12, 9), ('C056', 12, 10), ('C062', 12, 8), ('C065', 12, 10)] |
| [('C015', 11, 7), ('C036', 11, 7), ('C047', 11, 8), ('C054', 11, 7), ('C055', 11, 9), ('C057', 11, 11), ('C058', 11, 9), ('C069', 11, 8)] |
| [('C050', 10, 9), ('C052', 10, 9), ('C060', 10, 12)] |

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| 总组堆场，现阶段场内分段排布 | [('D028', 20, 8), ('D049', 20, 10)] |
| [('D025', 19, 11), ('D029', 19, 11), ('D037', 19, 7), ('D051', 19, 11), ('D057', 19, 10), ('D063', 19, 10), ('D064', 19, 12)] |
| [('D001', 18, 11), ('D002', 18, 8), ('D017', 18, 10), ('D031', 18, 10), ('D034', 18, 8), ('D048', 18, 8)] |
| [('D006', 17, 8), ('D007', 17, 9), ('D008', 17, 7), ('D009', 17, 8), ('D022', 17, 11), ('D032', 17, 10), ('D042', 17, 8), ('D044', 17, 9), ('D053', 17, 8), ('D060', 17, 9), ('D065', 17, 7)] |
| [('D003', 16, 11), ('D041', 16, 10), ('D054', 16, 9), ('D059', 16, 10), ('D062', 16, 10), ('D067', 16, 12)] |
| [('D010', 15, 11), ('D030', 15, 11), ('D038', 15, 7), ('D039', 15, 11), ('D040', 15, 10), ('D043', 15, 10), ('D055', 15, 9), ('D069', 15, 11), ('D070', 15, 8)] |
| [('D005', 14, 12), ('D012', 14, 12), ('D013', 14, 11), ('D014', 14, 12), ('D027', 14, 12), ('D047', 14, 8), ('D052', 14, 11), ('D061', 14, 10)] |
| [('D020', 13, 7), ('D033', 13, 9), ('D035', 13, 9), ('D046', 13, 12)] |
| [('D016', 12, 11), ('D019', 12, 9), ('D021', 12, 9), ('D023', 12, 11), ('D036', 12, 10), ('D050', 12, 8), ('D056', 12, 12), ('D058', 12, 10), ('D068', 12, 12)] |
| [('D004', 11, 10), ('D011', 11, 11), ('D015', 11, 11), ('D024', 11, 9), ('D026', 11, 11), ('D066', 11, 12)] |
| [('D018', 10, 10), ('D045', 10, 8)] |

排序规则：

Step1: 各组按照分段时间余量降序排序

Step2: 排序完成后，设置周期为10天，每个分段在堆场内存放的平均周期为4天，一天内堆场有分段出场任务7个，进场任务量未知，将各组的出场分段划分为10小组，此时针对每一天的分段执行顺序做优化调整。

2.1: 对于排序后的任务组的各小组，当一天内有新的外来进场分段进入对场内，此时运输任务包括进场和出场两种分段，需先执行出场分段，再执行进场分段。

而确定一天内有哪些进场分段，则需要根据分段工艺流程和其他组按照时间余量排序分组得出。例如，分段的工艺包括预处理、舾装、涂装和总组阶段，那么预处理堆场的分段只能是车间需要进行预处理存放堆场的分段，此时进场分段的时间时已知的，有数据提供。而像舾装堆场，其进场分段有两种，一是从车间运往该堆场的分段，此处的分段有具体进场时间；二是从前序堆场即预处理堆场运往该堆场的分段，此时一天中进场分段需要根据前序堆场的分段任务具体执行时间确定。故对于分段的执行顺序，也需要按照分段的工艺流程依次执行各任务组中的任务。

2.2：若存在多个任务同时出场的情况，则时间余量小的在前。

2.3：判断上述排序后相同长度尺寸的分段在出场时同一行中是否存在同一任务组的其他分段阻碍其搬出。若有，则将该干涉分段怕排在该分段之前。若无，则返回步骤 2.1 继续执行序列中任务，直至所有任务均执行完，得到任务出场执行顺序。

Step3: 返回步骤2，直到将每一天的分段任务执行顺序优化完毕。