

Projet

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Presentation de la base de données

La base de données que nous allons utiliser est du domaine sociale, il s'agit de la base "Drug consumption" tirée du site archive.ics.uci.edu/ml/datasets, les auteurs sont: . Elaine Fehrman, (Trouble de la personnalité masculine et Direction nationale des femmes, Rampton Hospital, Retford) . Vincent Egan, (Département de psychiatrie et de psychologie appliquée, Université de Nottingham) . Evgeny M. Mirkes (Department de Mathématiques, Université de Leicester).

La base contient 1885 observations (qui sont 1885 individus interrogés) et 32 variables réelles sans valeurs manquantes. Toutes les variables sont initialement catégorielles et sont quantifiées. Après quoi elles peuvent être considérées comme réelles. En outre, les participants ont été interrogés concernant leur utilisation de 18 drogues légales et illégales et pour chaque individu, on connaît certaines mesures de personnalité et aussi le niveau d'éducation, l'âge, le sexe, le pays de résidence et l'appartenance ethnique. Pour notre étude, nous allons nous contenter d'étudier 14 variables qui sont : age, gender, education, ethnicity, Nscore, Escore, Oscore, Ascore, Cscore, Impulsive, Alcohol, amphet, caff, heroin.

Aperçu de nos données:

```
d=d[,c(2,3,4,6,7,8,9,10,11,12,14,15,18,24)]
colnames(d)=c("Age", "Gender", "Education", "Ethnicity", "Nscore", "Escore", "Oscore", "Ascore", "Cscore", "Impu", "Alcohol", "Amphet", "Caff", "Heroin")
head(d)
```

	Age	Gender	Education	Ethnicity	Nscore	Escore	Oscore
## 1	0.49788	0.48246	-0.05921	0.12600	0.31287	-0.57545	-0.58331
## 2	-0.07854	-0.48246	1.98437	-0.31685	-0.67825	1.93886	1.43533
## 3	0.49788	-0.48246	-0.05921	-0.31685	-0.46725	0.80523	-0.84732
## 4	-0.95197	0.48246	1.16365	-0.31685	-0.14882	-0.80615	-0.01928
## 5	0.49788	0.48246	1.98437	-0.31685	0.73545	-1.63340	-0.45174
## 6	2.59171	0.48246	-1.22751	-0.31685	-0.67825	-0.30033	-1.55521
	Ascore	Cscore	Impulsive	Alcohol	Amphet	Caff	Heroin
## 1	-0.91699	-0.00665	-0.21712	CL5	CL2	CL6	CLO
## 2	0.76096	-0.14277	-0.71126	CL5	CL2	CL6	CLO
## 3	-1.62090	-1.01450	-1.37983	CL6	CL0	CL6	CLO
## 4	0.59042	0.58489	-1.37983	CL4	CL0	CL5	CLO
## 5	-0.30172	1.30612	-0.21712	CL4	CL1	CL6	CLO
## 6	2.03972	1.63088	-1.37983	CL2	CL0	CL6	CLO

Description des variables d'étude

Age

Il s'agit de l'âge des individus; on a 6 valeurs et à chaque valeur, correspond une classe d'âge: -0.95197 pour 18-24ans, -0.07854 pour 25-34ans, 0.49788 pour 35-44ans, 1.09449 pour 45-54ans, 1.82213 pour 55-64ans et 2.59171 pour 65ans et +

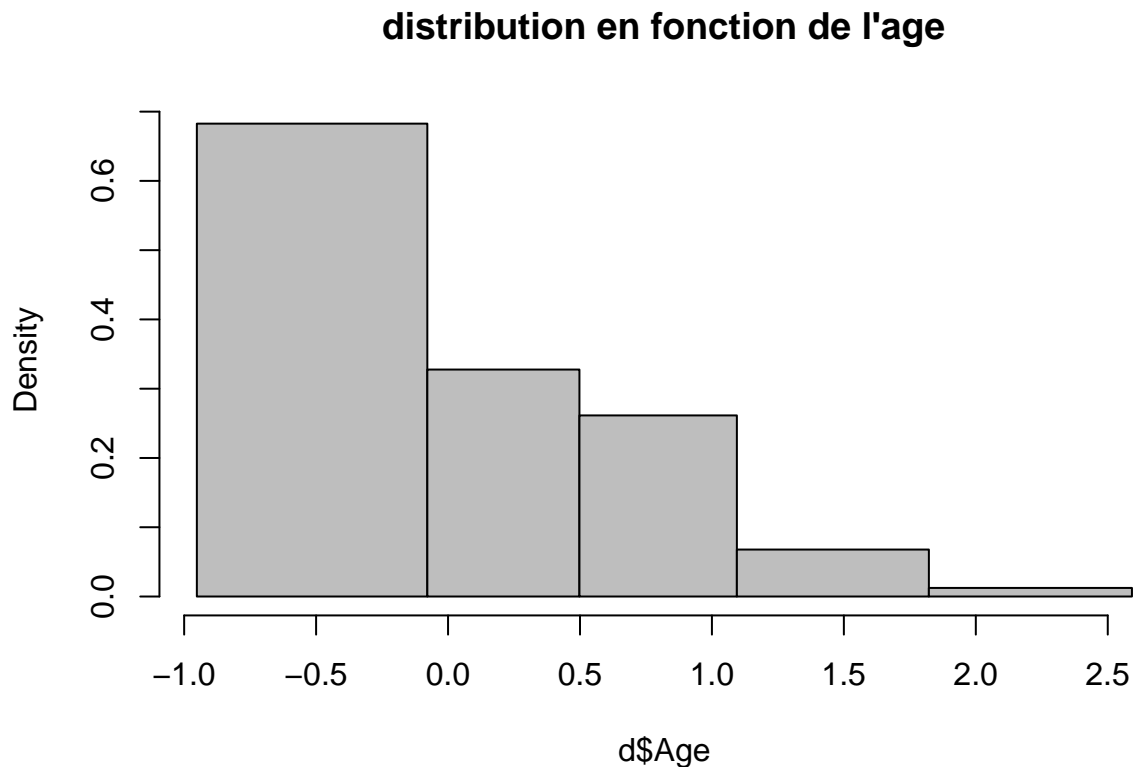
```
summary(d$Age)
```

```
##      Min.   1st Qu.   Median     Mean  3rd Qu.    Max.
## -0.95200 -0.95200 -0.07854  0.03461  0.49790  2.59200
```

```
table(d$Age)
```

```
##
## -0.95197 -0.07854  0.49788  1.09449  1.82213  2.59171
##      643      481      356      294      93      18
```

```
hist(d$Age, breaks = c(-0.95197,-0.07854,0.49788,1.09449,1.82213,2.59171),col ="gray", main ="distribution en fonction de l'age")
```



La distribution nous montre que la population interrogée est essentiellement constituée de jeunes gens d'âge compris entre 18 et 24 ans.

Gender

Comme son nom l'indique, cette variable précise le sexe des individus, comme suite 0.48246 pour Femme et -0.48246 pour Homme.

```
table(d$Gender)
```

```
##
## -0.48246  0.48246
##      943      942
```

On a pratiquement le même nombre de femme et d'homme dans la population.

Education

Elle indique le niveau d'étude des individus comme suite: -2.43591 pour un individu qui a quitté l'Ecole avant 16 ans, -1.73790 pour un individu qui a quitté l'Ecole à 16 ans, -1.43719 pour un individu qui a quitté l'Ecole à 17 ans, -1.22751 pour un individu qui a quitté l'Ecole à 18 ans, -0.61113 pour un individu qui est à un niveau collège ou une université, sans certificat ni diplôme, -0.05921 pour un individu qui a un Certificat professionnel / diplôme, 0.45468 pour un individu qui a un Diplôme universitaire, 1.16365 pour un individu qui a une Maîtrise, 1.98437 pour un individu qui a un Doctorat.

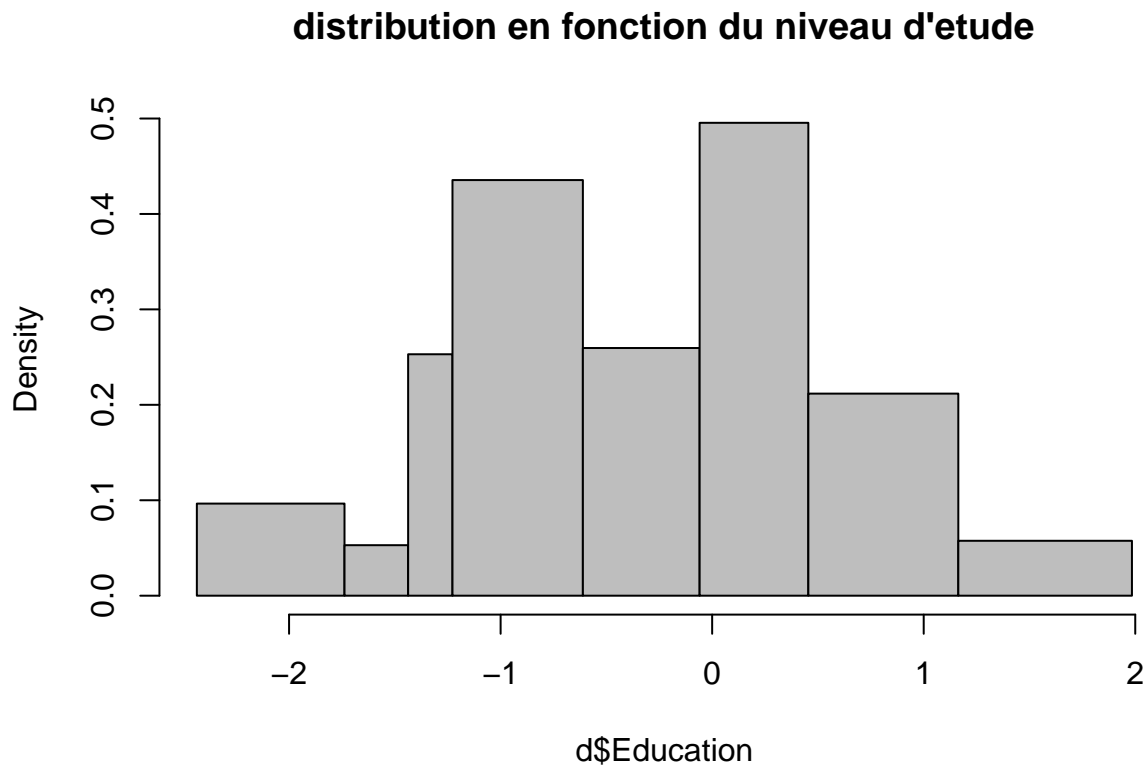
```
summary(d$Education)
```

```
##      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
## -2.436000 -0.611100 -0.059210 -0.003806  0.454700  1.984000
```

```
table(d$Education)
```

```
##
## -2.43591 -1.7379 -1.43719 -1.22751 -0.61113 -0.05921  0.45468  1.16365
##      28      99      30      100      506      270      480      283
##  1.98437
##      89
```

```
hist(d$Education,breaks = c(-2.43591,-1.73790,-1.43719,-1.22751,-0.61113,-0.05921,0.45468,1.16365,1.98437,1.98437))
```



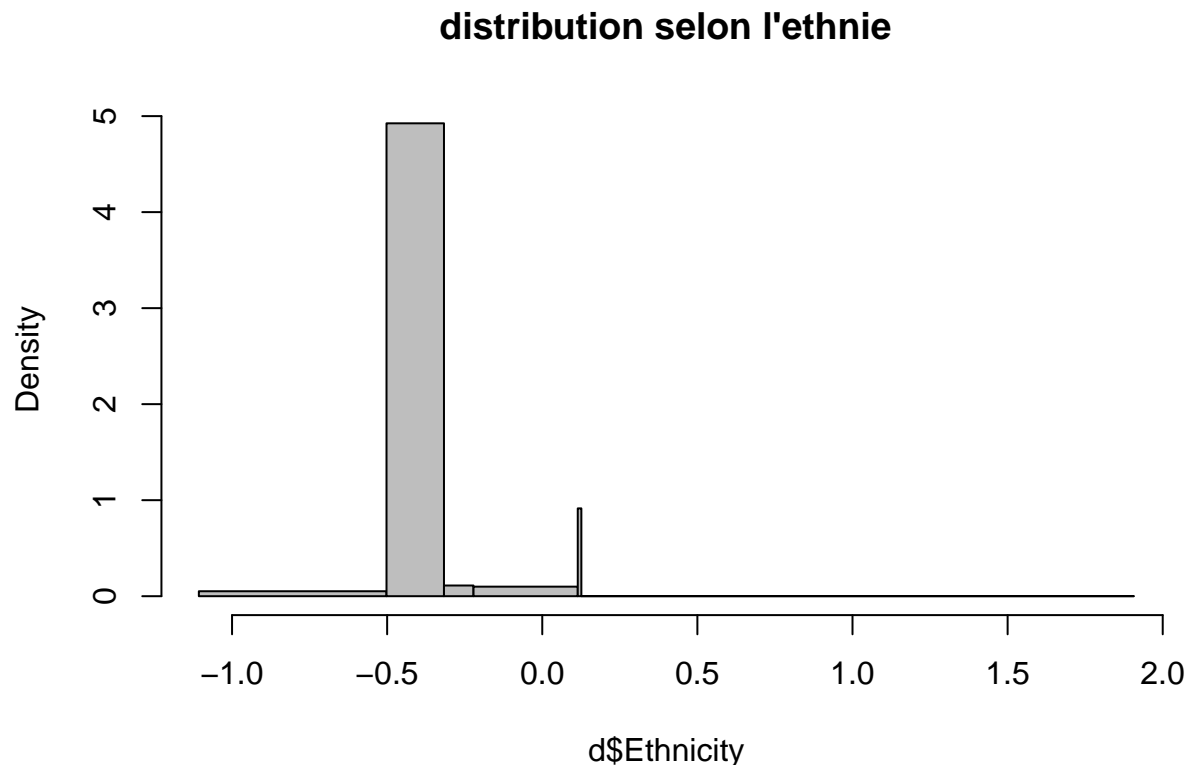
Ethnicity

elle indique l'appartenance ethnique, selon les valeurs suivantes on a: -0.50212 pour Asiatique, -1.10702 pour noir, 1.90725 pour metisse noire/asiatique, 0.12600 pour metisse noir/asiatique, -0.22166 pour metisse blanc/noir, 0.11440 pour autres et -0.31685 pour blanc.

```
table(d$Ethnicity)
```

```
##
## -1.10702 -0.50212 -0.31685 -0.22166  0.1144  0.126  1.90725
##      33      26     1720      20      63      20      3
```

```
hist(d$Ethnicity, breaks = c(-0.50212, -1.10702, 1.90725, 0.12600, -0.22166, 0.11440, -0.31685), main = "distribution selon l'ethnie")
```



Nscore

il s'agit du score obtenu suite au test du neuroticisme, il caractérise une tendance persistante à l'expérience des émotions négatives. Les individus possédant un haut degré de neuroticisme peuvent faire l'expérience d'émotions telles que l'anxiété, la colère, la culpabilité et la déprime.

```
summary(d$Nscore)
```

```
##      Min.   1st Qu.   Median     Mean   3rd Qu.    Max.
## -3.464000 -0.678200  0.042570  0.000047  0.629700  3.274000
```

Escore

il s'agit du score obtenu suite au test de l'Extraversion. L'extraversion c'est la tendance à s'intéresser aux objets externes (les autres, le monde).

```
summary(d$Escore)
```

```
##      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
## -3.274000 -0.695100  0.003320 -0.000163  0.637800  3.274000
```

Oscore

score obtenu suite au test de l'Ouverture À l'expérience

```
summary(d$Oscore)
```

```
##      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
## -3.274000 -0.717300 -0.019280 -0.000534  0.723300  2.902000
```

Ascore

score obtenu suite au test "Agreeableness" Les personnes qui obtiennent un score élevé sur cette dimension sont empathiques et altruistes, alors qu'un score de faible concordance se rapporte à un comportement égoïste et à un manque d'empathie. Ceux qui ont un score très faible sur l'agrément montrent des signes de comportement de triade sombre comme la manipulation et la concurrence avec d'autres plutôt que de coopérer.

```
summary(d$Ascore)
```

```
##      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
## -3.464000 -0.606300 -0.017290 -0.000245  0.761000  3.464000
```

Cscore

score obtenue suite au test de Conscience

```
summary(d$Cscore)
```

```
##      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
## -3.464000 -0.652500 -0.006650 -0.000386  0.584900  3.464000
```

Impulsive

score obtenue au test d'impulsivité

```
summary(d$Impulsive)
```

```
##      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
## -2.555000 -0.711300 -0.217100  0.007216  0.529800  2.902000
```

Alcohol

C'est la classe de consommation d'alcool. C'est un attribut de sortie avec la distribution suivante des classes: CL0 jamais utilisé CL1 utilisé il y'a plus d'une décennie CL2 utilisé dans la dernière décennie

CL3 utilis  dans la derni re ann e CL4 utilis  dans le dernier mois CL5 utilis  dans la derni re semaine CL6 utilis  dans le dernier jour

```
table(d$Alcohol)
```

```
##
## CL0 CL1 CL2 CL3 CL4 CL5 CL6
## 34 34 68 198 287 759 505
```

Amphet

C'est la classe de consommation d'amphetamine. C'est un attribut de sortie avec la distribution suivante des classes: CL0 jamais utilis  CL1 utilis  il y'a plus d'une D cennie CL2 utilis  dans la derni re d cennie CL3 utilis  dans la derni re ann e CL4 utilis  dans le dernier mois CL5 utilis  dans la derni re semaine CL6 utilis  dans le dernier jour

```
table(d$Amphet)
```

```
##
## CL0 CL1 CL2 CL3 CL4 CL5 CL6
## 976 230 243 198 75 61 102
```

caff

C'est la classe de consommation de cafeine. C'est un attribut de sortie avec la distribution suivante des classes: CL0 jamais utilis  CL1 utilis  il y'a plus d'une D cennie CL2 utilis  dans la derni re d cennie CL3 utilis  dans la derni re ann e CL4 utilis  dans le dernier mois CL5 utilis  dans la derni re semaine CL6 utilis  dans le dernier jour

```
table(d$Caff)
```

```
##
## CL0 CL1 CL2 CL3 CL4 CL5 CL6
## 27 10 24 60 106 273 1385
```

Heroin

C'est la classe de consommation d'heroine. C'est un attribut de sortie avec la distribution suivante des classes: CL0 jamais utilis  CL1 utilis  il y'a plus d'une D cennie CL2 utilis  dans la derni re d cennie CL3 utilis  dans la derni re ann e CL4 utilis  dans le dernier mois CL5 utilis  dans la derni re semaine CL6 utilis  dans le dernier jour

```
table(d$Heroin)
```

```
##
## CL0 CL1 CL2 CL3 CL4 CL5 CL6
## 1605 68 94 65 24 16 13
```

Objectifs

Notre bute est d'etudier la correlation entre les variables et pouvoir ainsi savoir,quelle tranche d'age ou quelle ethnie consomme le plus quel type de drogue ou egalemment selon lespersonnaalit .EN outr on pourrait se demander si certaine drogue sont consom  ensemble en parallele, c'est   dire si les consommateurs d'un certain

type de drogue consomme en plus un autre type ou pas. Pour répondre à ces différentes questions, nous allons réaliser une analyse des données à l'aide des ACP (Analyse en Composante Principale).

Analyse des données

De l'analyse préliminaire qui a été faite, on s'aperçoit que la drogue la moins consommée est l'héroïne suivie des amphétamines tandis que la plus consommée n'est autre que la caféine et l'alcool se place en deuxième position. On peut tenter d'expliquer ceci par le fait que la caféine et l'alcool sont plutôt fréquents sur le marché, classés parmi les stupéfiants autorisés, ce qui n'est pas le cas de l'héroïne.

Afin de pouvoir réaliser notre ACP et étudier la relation entre les variables décrivant la consommation des drogues et les autres variables, nous allons procéder à certaines modifications. Pour réussir à les représenter sur un graphique, nos variables catégorielles doivent être numériques, à cet effet nous avons supprimé les lettres 'CL' et ne gardé que les chiffres '1-2-3-4-5-6' comme attributs.

```
A<-regexpr("C",d$Alcohol)
d$Alcohol<-substr(d$Alcohol,start =A+2,stop = A+2)
d$Amphet<-substr(d$Amphet,start = A+2,stop = A+2)
d$Caff<-substr(d$Caff,start = A+2,stop = A+2)
d$Heroin<-substr(d$Heroin,start = A+2,stop = A+2)
d$Alcohol<-as.numeric(d$Alcohol)
d$Amphet<-as.numeric(d$Amphet)
d$Caff<-as.numeric(d$Caff)
d$Heroin<-as.numeric(d$Heroin)
res.PCA<-PCA(d,scale.unit = T,ncp = 10,quanti.sup = 11:14,graph = F)
d
```

##	Age	Gender	Education	Ethnicity	Nscore	Escore	Oscore
## 1	0.49788	0.48246	-0.05921	0.12600	0.31287	-0.57545	-0.58331
## 2	-0.07854	-0.48246	1.98437	-0.31685	-0.67825	1.93886	1.43533
## 3	0.49788	-0.48246	-0.05921	-0.31685	-0.46725	0.80523	-0.84732
## 4	-0.95197	0.48246	1.16365	-0.31685	-0.14882	-0.80615	-0.01928
## 5	0.49788	0.48246	1.98437	-0.31685	0.73545	-1.63340	-0.45174
## 6	2.59171	0.48246	-1.22751	-0.31685	-0.67825	-0.30033	-1.55521
## 7	1.09449	-0.48246	1.16365	-0.31685	-0.46725	-1.09207	-0.45174
## 8	0.49788	-0.48246	-1.73790	-0.31685	-1.32828	1.93886	-0.84732
## 9	0.49788	0.48246	-0.05921	-0.31685	0.62967	2.57309	-0.97631
## 10	1.82213	-0.48246	1.16365	-0.31685	-0.24649	0.00332	-1.42424
## 11	-0.07854	0.48246	0.45468	-0.31685	-1.05308	0.80523	-1.11902
## 12	1.09449	-0.48246	-0.61113	-0.31685	-1.32828	0.00332	0.14143
## 13	1.82213	0.48246	0.45468	-0.31685	2.28554	0.16767	0.44585
## 14	1.82213	0.48246	-0.05921	-0.31685	-0.79151	0.80523	-0.01928
## 15	1.82213	0.48246	-0.05921	-0.31685	-0.92104	1.45421	0.44585
## 16	1.82213	-0.48246	0.45468	-0.31685	-2.05048	-1.50796	-1.55521
## 17	0.49788	0.48246	-0.61113	-0.31685	-1.55078	-0.80615	-1.68062
## 18	1.09449	-0.48246	-1.73790	-0.31685	0.52135	-1.23177	-0.31776
## 19	1.82213	-0.48246	0.45468	-0.31685	1.37297	-0.15487	-0.17779
## 20	0.49788	-0.48246	-0.05921	-0.31685	-0.34799	-1.76250	-2.39883
## 21	1.09449	-0.48246	-0.05921	-0.31685	-0.79151	0.80523	0.72330
## 22	2.59171	-0.48246	-2.43591	-0.31685	-1.19430	0.47617	-1.11902
## 23	1.09449	-0.48246	0.45468	-0.31685	0.41667	-0.94779	-0.84732
## 24	1.09449	-0.48246	-1.73790	-0.31685	1.60383	-3.27393	-1.27553
## 25	1.82213	-0.48246	0.45468	-0.31685	-0.14882	0.63779	1.24033
## 26	1.09449	-0.48246	-0.61113	-0.31685	-0.79151	-0.43999	-1.27553

## 27	1.82213	0.48246	-1.22751	-0.31685	-0.05188	-1.63340	-3.27393
## 28	0.49788	-0.48246	0.45468	-0.31685	0.52135	-1.23177	-0.01928
## 29	0.49788	0.48246	1.16365	-0.31685	0.04257	-1.50796	-0.71727
## 30	1.09449	-0.48246	1.98437	-0.31685	-1.32828	1.74091	0.88309
## 31	1.09449	-0.48246	-1.73790	-0.31685	0.31287	-0.80615	-1.27553
## 32	0.49788	0.48246	-1.73790	-0.31685	-1.19430	-0.80615	0.14143
## 33	0.49788	-0.48246	0.45468	-0.31685	-0.79151	-1.23177	-0.01928
## 34	-0.95197	-0.48246	0.45468	-0.31685	0.41667	-0.30033	0.29338
## 35	0.49788	-0.48246	0.45468	0.11440	1.02119	0.63779	0.88309
## 36	2.59171	-0.48246	-2.43591	-0.31685	-0.24649	-0.80615	-2.63199
## 37	0.49788	-0.48246	0.45468	-0.31685	-0.24649	-0.57545	-0.17779
## 38	1.82213	-0.48246	-2.43591	-0.31685	0.31287	0.32197	1.06238
## 39	1.09449	-0.48246	0.45468	-0.31685	-1.55078	1.28610	0.29338
## 40	2.59171	0.48246	-0.05921	-0.31685	-0.24649	-0.94779	-1.11902
## 41	0.49788	-0.48246	1.16365	-0.31685	0.04257	-0.43999	-0.01928
## 42	0.49788	0.48246	0.45468	-0.31685	0.82562	0.00332	1.06238
## 43	0.49788	-0.48246	1.16365	-0.31685	-0.14882	-0.94779	-1.27553
## 44	0.49788	-0.48246	-0.05921	-0.31685	-0.92104	-0.57545	-0.31776
## 45	-0.07854	-0.48246	0.45468	0.11440	-1.05308	1.45421	0.44585
## 46	-0.07854	0.48246	0.45468	-0.31685	-0.46725	0.47617	1.24033
## 47	1.09449	0.48246	-0.61113	-0.31685	0.31287	0.63779	-1.11902
## 48	1.09449	-0.48246	1.16365	-0.31685	-2.05048	0.80523	0.29338
## 49	1.09449	-0.48246	-1.73790	-0.31685	0.13606	-0.80615	-0.31776
## 50	-0.07854	0.48246	1.16365	-0.22166	0.82562	-0.57545	-1.97495
## 51	0.49788	-0.48246	1.16365	-0.31685	1.02119	-0.15487	-0.17779
## 52	1.09449	-0.48246	-0.05921	-0.31685	1.13281	0.96248	-0.58331
## 53	1.82213	0.48246	0.45468	-0.31685	-0.14882	0.00332	-1.42424
## 54	1.09449	-0.48246	1.16365	-0.31685	-1.43907	-0.15487	1.06238
## 55	1.82213	-0.48246	-1.73790	-0.31685	0.04257	1.11406	-0.58331
## 56	1.82213	0.48246	-0.05921	-0.31685	0.04257	-0.69509	-1.11902
## 57	0.49788	0.48246	-0.61113	-0.31685	0.04257	0.00332	-1.68062
## 58	-0.07854	0.48246	0.45468	-0.31685	-0.58016	0.63779	-1.97495
## 59	1.09449	-0.48246	-1.22751	-0.31685	0.22393	0.63779	-0.01928
## 60	1.09449	-0.48246	0.45468	-0.31685	-0.46725	-1.23177	-1.27553
## 61	-0.07854	0.48246	1.98437	-0.31685	1.37297	0.32197	0.29338
## 62	1.09449	-0.48246	1.16365	-0.50212	-2.21844	1.58487	1.24033
## 63	-0.07854	-0.48246	0.45468	-0.31685	-0.58016	-1.37639	-1.82919
## 64	1.09449	-0.48246	0.45468	-0.31685	1.02119	-0.30033	-0.71727
## 65	1.09449	-0.48246	1.98437	-0.31685	-1.55078	0.47617	1.06238
## 66	0.49788	-0.48246	-0.61113	-0.31685	0.73545	0.47617	-0.84732
## 67	1.09449	-0.48246	-1.73790	-0.31685	-1.05308	-0.69509	-1.11902
## 68	-0.07854	-0.48246	1.16365	-0.31685	-0.34799	-0.30033	1.06238
## 69	0.49788	-0.48246	-0.05921	-0.31685	-0.92104	0.00332	0.29338
## 70	1.09449	0.48246	-1.73790	-0.31685	-0.05188	-0.69509	-1.68062
## 71	-0.07854	-0.48246	-0.61113	-0.31685	-0.34799	-0.30033	0.14143
## 72	1.09449	0.48246	-1.22751	-0.31685	-0.46725	1.11406	-0.31776
## 73	1.09449	-0.48246	-1.22751	-0.31685	-1.55078	0.96248	-0.01928
## 74	1.09449	-0.48246	-0.05921	-0.31685	-0.67825	-0.57545	-0.31776
## 75	2.59171	0.48246	-1.73790	-0.31685	-1.19430	-1.76250	-2.85950
## 76	-0.07854	-0.48246	0.45468	-0.31685	-0.14882	0.16767	-1.55521
## 77	1.09449	0.48246	-1.43719	-0.31685	-0.34799	-0.69509	-1.55521
## 78	0.49788	-0.48246	0.45468	-0.31685	0.13606	-1.63340	-0.58331
## 79	0.49788	-0.48246	-0.61113	-0.31685	-0.79151	-0.80615	-2.09015
## 80	0.49788	-0.48246	-0.05921	-0.31685	-0.34799	-0.80615	-1.97495

## 81	2.59171	0.48246	1.98437	-0.31685	0.04257	0.32197	0.44585
## 82	1.82213	0.48246	0.45468	-0.31685	-0.79151	-1.23177	-0.01928
## 83	1.82213	-0.48246	1.16365	-0.31685	-2.05048	1.45421	-0.97631
## 84	1.82213	0.48246	-1.43719	-0.22166	1.02119	-0.94779	-1.11902
## 85	1.09449	-0.48246	-1.73790	-0.31685	-0.34799	0.16767	-0.31776
## 86	-0.07854	0.48246	-1.22751	-0.31685	-0.46725	0.00332	-1.55521
## 87	0.49788	-0.48246	-0.61113	-0.31685	0.73545	-0.15487	-1.11902
## 88	1.82213	-0.48246	-1.73790	-0.31685	-0.92104	0.16767	-0.45174
## 89	0.49788	0.48246	-0.61113	-0.31685	0.31287	-1.92173	-1.42424
## 90	0.49788	0.48246	1.16365	-0.31685	0.91093	-0.57545	0.29338
## 91	0.49788	0.48246	1.16365	-0.31685	1.37297	0.32197	0.72330
## 92	0.49788	-0.48246	-0.05921	-0.31685	0.41667	-0.43999	0.72330
## 93	-0.07854	-0.48246	-1.22751	-0.31685	-1.55078	-0.30033	-0.45174
## 94	2.59171	0.48246	-1.73790	-0.31685	-0.14882	-0.80615	-0.97631
## 95	1.09449	-0.48246	1.16365	-0.31685	-0.67825	-0.57545	-0.97631
## 96	1.09449	-0.48246	1.16365	-0.31685	-0.46725	0.32197	1.06238
## 97	0.49788	0.48246	0.45468	-0.31685	0.13606	-1.09207	0.29338
## 98	1.09449	0.48246	1.16365	-0.31685	-0.46725	0.63779	-0.31776
## 99	0.49788	-0.48246	1.98437	-0.31685	-1.19430	-0.43999	-0.01928
## 100	-0.07854	0.48246	0.45468	-0.31685	-0.67825	3.00537	0.72330
## 101	-0.07854	-0.48246	1.16365	-0.31685	-1.05308	2.57309	0.58331
## 102	1.09449	0.48246	-1.73790	-0.31685	-0.58016	0.47617	-1.68062
## 103	1.09449	-0.48246	-1.22751	-0.31685	-0.58016	1.28610	1.43533
## 104	1.09449	0.48246	-0.05921	-0.31685	0.04257	0.63779	-0.31776
## 105	-0.07854	0.48246	-0.61113	-0.31685	-0.92104	0.16767	-0.17779
## 106	0.49788	-0.48246	-0.05921	-0.31685	-2.21844	0.47617	-1.82919
## 107	-0.07854	0.48246	-0.61113	-0.31685	1.02119	-0.30033	-1.82919
## 108	0.49788	0.48246	-1.73790	-0.31685	0.13606	0.00332	-1.27553
## 109	-0.07854	0.48246	0.45468	-0.31685	-0.46725	2.12700	0.14143
## 110	1.09449	0.48246	-0.61113	-0.31685	-0.79151	0.47617	-1.42424
## 111	1.09449	-0.48246	1.16365	-0.50212	-0.14882	0.32197	0.14143
## 112	-0.07854	-0.48246	1.16365	-0.31685	0.31287	-1.09207	-0.84732
## 113	-0.07854	0.48246	0.45468	-0.31685	-1.19430	0.32197	0.88309
## 114	1.09449	0.48246	-0.05921	-0.31685	0.04257	0.63779	0.29338
## 115	0.49788	-0.48246	-0.61113	-0.31685	-2.34360	1.93886	1.43533
## 116	-0.07854	0.48246	-0.05921	-0.31685	0.22393	-0.57545	-0.84732
## 117	0.49788	-0.48246	-0.05921	-0.31685	0.62967	-0.57545	0.14143
## 118	-0.07854	0.48246	0.45468	-0.31685	1.60383	0.80523	1.43533
## 119	0.49788	0.48246	-0.61113	-0.31685	1.83990	-1.92173	-2.39883
## 120	0.49788	0.48246	0.45468	-0.31685	-0.34799	0.63779	-0.97631
## 121	-0.07854	0.48246	1.16365	-0.31685	-1.05308	0.63779	-0.97631
## 122	0.49788	0.48246	-0.05921	-0.31685	1.49158	-1.23177	-1.55521
## 123	1.82213	-0.48246	1.16365	-0.31685	0.22393	0.16767	-0.17779
## 124	-0.07854	0.48246	0.45468	-0.31685	0.22393	-0.69509	-0.45174
## 125	1.09449	-0.48246	-1.73790	-0.31685	-0.34799	1.93886	0.29338
## 126	1.82213	-0.48246	0.45468	-0.31685	-0.46725	1.28610	0.44585
## 127	1.09449	-0.48246	0.45468	-0.31685	-1.19430	0.63779	-1.11902
## 128	1.09449	0.48246	-1.43719	-0.31685	-0.34799	-0.80615	-0.84732
## 129	0.49788	-0.48246	1.98437	-0.50212	0.04257	0.63779	0.14143
## 130	1.09449	0.48246	1.16365	-0.31685	-0.79151	0.96248	-1.11902
## 131	1.09449	0.48246	-1.73790	-0.31685	0.91093	0.32197	-1.42424
## 132	1.09449	0.48246	-1.73790	0.11440	-1.55078	-0.15487	-1.27553
## 133	0.49788	0.48246	-1.22751	-0.31685	-0.24649	-0.57545	-0.58331
## 134	0.49788	-0.48246	1.16365	-0.31685	-0.05188	0.16767	0.29338

## 135	-0.07854	0.48246	1.16365	0.12600	3.27393	-1.50796	-0.31776
## 136	0.49788	0.48246	-1.73790	-0.31685	-1.69163	1.58487	-0.58331
## 137	1.09449	0.48246	0.45468	-0.31685	-0.14882	-0.30033	-1.68062
## 138	1.09449	0.48246	0.45468	-0.31685	-1.19430	1.58487	0.29338
## 139	1.82213	-0.48246	0.45468	-0.31685	-0.46725	-0.80615	0.14143
## 140	1.09449	-0.48246	-1.73790	-0.31685	-0.05188	0.32197	-0.58331
## 141	-0.07854	0.48246	0.45468	-0.50212	1.98437	0.32197	1.43533
## 142	0.49788	0.48246	-1.73790	-0.31685	-0.79151	0.63779	-1.11902
## 143	0.49788	-0.48246	-1.43719	-0.31685	-0.46725	-0.30033	-1.27553
## 144	0.49788	-0.48246	-0.05921	-1.10702	-1.69163	1.28610	-0.58331
## 145	1.09449	-0.48246	-0.05921	-0.31685	0.13606	-1.09207	-0.45174
## 146	1.09449	0.48246	0.45468	-0.31685	-0.46725	0.16767	-1.11902
## 147	1.82213	-0.48246	-0.05921	-0.31685	0.22393	-1.23177	-0.17779
## 148	0.49788	-0.48246	1.16365	-1.10702	-0.58016	0.47617	-0.71727
## 149	0.49788	0.48246	-0.05921	-0.31685	-0.05188	-1.09207	-2.63199
## 150	1.09449	0.48246	0.45468	-0.31685	-0.79151	1.93886	-0.71727
## 151	0.49788	0.48246	-0.61113	-0.31685	-0.24649	1.28610	0.14143
## 152	0.49788	0.48246	0.45468	-0.31685	0.52135	-1.63340	-1.82919
## 153	-0.07854	0.48246	0.45468	-0.31685	-0.46725	-1.50796	-0.71727
## 154	-0.07854	-0.48246	0.45468	-0.31685	-0.67825	0.96248	-1.68062
## 155	-0.95197	0.48246	-0.61113	-0.31685	2.82196	-1.37639	0.72330
## 156	0.49788	0.48246	0.45468	-1.10702	0.62967	-1.37639	-1.27553
## 157	0.49788	0.48246	-0.61113	-0.31685	1.23461	0.00332	-0.31776
## 158	-0.07854	-0.48246	-1.73790	-0.31685	-1.05308	1.11406	-1.82919
## 159	0.49788	0.48246	0.45468	-0.31685	-0.24649	0.16767	-0.31776
## 160	1.09449	0.48246	-0.61113	-1.10702	-0.46725	-0.57545	-0.58331
## 161	1.09449	-0.48246	1.16365	-0.31685	1.02119	0.80523	0.44585
## 162	0.49788	-0.48246	0.45468	-1.10702	-0.67825	0.32197	-0.84732
## 163	-0.07854	0.48246	0.45468	-0.31685	0.22393	0.00332	-0.17779
## 164	-0.07854	0.48246	-0.61113	-0.31685	1.83990	0.00332	-0.31776
## 165	-0.07854	0.48246	1.98437	-0.31685	0.13606	0.32197	-1.55521
## 166	1.09449	-0.48246	1.16365	-0.31685	-0.24649	-0.30033	-0.31776
## 167	-0.95197	-0.48246	-0.61113	-0.31685	1.49158	-1.23177	0.72330
## 168	-0.07854	0.48246	-0.05921	-1.10702	0.04257	0.00332	-0.97631
## 169	-0.07854	0.48246	0.45468	-0.31685	0.22393	1.28610	-1.27553
## 170	-0.95197	0.48246	-1.22751	-0.31685	-0.34799	0.00332	-1.42424
## 171	1.09449	-0.48246	-1.73790	-0.31685	1.37297	-0.30033	-0.31776
## 172	0.49788	-0.48246	1.16365	-0.31685	-0.34799	0.96248	2.15324
## 173	1.09449	0.48246	-0.05921	-0.31685	0.52135	-0.57545	-0.45174
## 174	0.49788	0.48246	0.45468	-0.31685	1.02119	0.63779	1.24033
## 175	0.49788	0.48246	-0.05921	-0.31685	1.02119	-0.57545	-2.21069
## 176	1.82213	0.48246	0.45468	-0.31685	0.62967	0.00332	0.44585
## 177	0.49788	0.48246	0.45468	0.11440	-0.14882	-0.57545	-0.84732
## 178	0.49788	0.48246	0.45468	-0.31685	1.49158	0.00332	-1.27553
## 179	1.09449	0.48246	0.45468	-0.31685	0.82562	-0.94779	-0.45174
## 180	0.49788	0.48246	-0.05921	-0.31685	0.41667	-0.15487	-0.97631
## 181	1.09449	0.48246	-0.05921	-0.31685	0.31287	0.63779	-1.55521
## 182	-0.07854	-0.48246	1.98437	-0.31685	-1.32828	-0.43999	-0.31776
## 183	0.49788	0.48246	-0.61113	-0.31685	0.31287	0.80523	-0.31776
## 184	-0.95197	0.48246	0.45468	-0.31685	1.98437	-0.43999	0.29338
## 185	1.82213	-0.48246	-1.22751	-0.31685	0.04257	-0.80615	-0.97631
## 186	0.49788	0.48246	0.45468	-0.31685	0.31287	0.63779	-0.01928
## 187	0.49788	0.48246	1.16365	-0.31685	-0.67825	1.45421	0.14143
## 188	1.82213	0.48246	-1.73790	-0.31685	-0.79151	-0.80615	-1.97495

## 189	1.09449	0.48246	-1.73790	-0.31685	0.41667	-1.37639	-2.09015
## 190	-0.95197	0.48246	1.16365	-0.31685	-0.34799	0.00332	-0.45174
## 191	1.82213	0.48246	-0.05921	-0.31685	-1.43907	0.00332	-0.84732
## 192	-0.95197	-0.48246	0.45468	0.12600	-0.34799	1.28610	-1.11902
## 193	-0.07854	0.48246	-0.05921	-0.31685	-0.79151	-0.30033	-0.17779
## 194	1.09449	0.48246	0.45468	-0.31685	0.31287	-1.09207	-0.45174
## 195	-0.07854	0.48246	0.45468	0.12600	-0.92104	1.28610	-0.01928
## 196	1.82213	0.48246	0.45468	-0.31685	0.62967	0.32197	0.72330
## 197	-0.95197	-0.48246	0.45468	-1.10702	-0.58016	0.32197	-0.58331
## 198	1.82213	0.48246	0.45468	-0.31685	-0.34799	0.47617	-0.71727
## 199	-0.07854	0.48246	-0.05921	-0.31685	-0.05188	0.47617	0.58331
## 200	1.09449	0.48246	-0.05921	-0.31685	-0.46725	2.32338	0.72330
## 201	-0.95197	0.48246	0.45468	-0.31685	-0.58016	0.16767	-0.84732
## 202	0.49788	-0.48246	1.16365	0.11440	-0.14882	-0.94779	-0.58331
## 203	0.49788	0.48246	0.45468	-0.31685	-0.67825	1.28610	-0.45174
## 204	2.59171	-0.48246	-2.43591	-0.31685	-1.55078	-1.09207	-2.39883
## 205	-0.07854	0.48246	0.45468	-0.31685	-0.14882	0.96248	1.24033
## 206	0.49788	0.48246	-1.73790	-0.31685	-0.14882	1.11406	0.29338
## 207	-0.95197	0.48246	0.45468	-0.31685	-0.05188	1.28610	0.58331
## 208	0.49788	0.48246	-0.05921	-0.31685	-0.67825	0.47617	-0.58331
## 209	0.49788	0.48246	0.45468	-0.31685	0.13606	0.00332	-0.17779
## 210	-0.07854	-0.48246	1.16365	-0.50212	-1.43907	0.47617	1.06238
## 211	-0.07854	0.48246	-0.61113	-0.31685	0.73545	0.16767	-1.42424
## 212	1.09449	0.48246	-1.73790	-0.31685	-0.67825	-0.57545	-1.11902
## 213	-0.07854	0.48246	-0.05921	-0.31685	0.13606	0.63779	-0.84732
## 214	1.09449	0.48246	-0.05921	-0.31685	0.52135	-0.15487	-1.27553
## 215	-0.07854	0.48246	-0.05921	-0.31685	-0.14882	1.11406	0.44585
## 216	-0.07854	0.48246	0.45468	-0.31685	1.60383	-0.30033	-0.71727
## 217	-0.07854	0.48246	-0.05921	-0.31685	0.22393	1.11406	0.29338
## 218	0.49788	-0.48246	-0.05921	-0.31685	1.23461	0.80523	0.44585
## 219	-0.07854	0.48246	1.16365	-0.31685	0.31287	1.11406	-0.84732
## 220	0.49788	0.48246	-0.61113	-0.31685	-0.34799	-0.57545	0.14143
## 221	-0.95197	0.48246	0.45468	-0.31685	0.82562	-0.30033	0.29338
## 222	-0.07854	0.48246	0.45468	-0.31685	-0.14882	0.47617	-0.45174
## 223	0.49788	0.48246	0.45468	-0.31685	-0.24649	0.63779	0.72330
## 224	1.82213	-0.48246	0.45468	-0.31685	-1.19430	1.11406	-0.31776
## 225	1.09449	0.48246	0.45468	-0.31685	-0.46725	1.45421	0.29338
## 226	0.49788	0.48246	0.45468	-0.31685	-1.32828	0.63779	0.88309
## 227	1.09449	0.48246	0.45468	-0.31685	-0.46725	0.47617	-0.71727
## 228	-0.95197	-0.48246	-0.61113	-0.31685	0.22393	0.96248	-0.97631
## 229	1.09449	-0.48246	1.16365	-0.31685	-0.67825	0.32197	-0.01928
## 230	1.09449	0.48246	0.45468	-0.31685	-1.05308	1.45421	0.14143
## 231	0.49788	0.48246	-0.05921	-0.31685	1.02119	-2.21069	-1.82919
## 232	2.59171	0.48246	1.16365	-0.31685	0.13606	-1.09207	-0.45174
## 233	-0.07854	0.48246	0.45468	-0.31685	0.04257	1.28610	-0.01928
## 234	1.09449	-0.48246	0.45468	-0.31685	-0.67825	0.80523	-1.42424
## 235	-0.07854	0.48246	0.45468	-0.31685	0.41667	0.96248	-0.01928
## 236	-0.07854	0.48246	-0.05921	-0.31685	0.04257	0.96248	-1.27553
## 237	-0.07854	0.48246	1.16365	-0.31685	1.49158	0.32197	-0.17779
## 238	-0.07854	0.48246	-1.73790	-0.31685	0.91093	-0.15487	-2.21069
## 239	-0.95197	0.48246	-1.22751	-0.31685	0.52135	-0.15487	-0.71727
## 240	1.09449	0.48246	-0.05921	-0.31685	-1.86962	0.63779	0.72330
## 241	0.49788	0.48246	1.16365	-0.31685	0.62967	-1.23177	-0.01928
## 242	-0.07854	0.48246	-1.22751	-0.31685	2.12700	-1.23177	-0.84732

## 243	-0.95197	0.48246	-0.61113	-0.31685	1.49158	-1.50796	-3.27393
## 244	-0.07854	0.48246	0.45468	-0.31685	-0.58016	1.11406	0.72330
## 245	0.49788	-0.48246	0.45468	-0.31685	1.98437	-1.50796	-0.17779
## 246	-0.07854	0.48246	-0.61113	-0.31685	-0.24649	-0.94779	-1.68062
## 247	-0.07854	0.48246	-0.05921	-0.31685	1.37297	-0.69509	-1.27553
## 248	1.09449	-0.48246	1.16365	-0.31685	-0.92104	-0.30033	-1.11902
## 249	1.09449	0.48246	1.98437	-0.31685	-2.42317	0.16767	-0.31776
## 250	1.09449	0.48246	-0.05921	-0.31685	1.13281	0.32197	-0.17779
## 251	1.09449	-0.48246	0.45468	-0.31685	-0.46725	0.16767	-0.31776
## 252	0.49788	0.48246	0.45468	-0.31685	0.62967	-0.94779	-0.71727
## 253	-0.95197	0.48246	1.16365	-0.31685	-1.43907	0.96248	-0.58331
## 254	1.09449	0.48246	1.98437	-0.31685	-0.79151	0.16767	0.29338
## 255	-0.07854	-0.48246	-0.05921	-0.31685	1.37297	-0.69509	-0.71727
## 256	0.49788	0.48246	1.16365	-0.31685	-1.19430	1.74091	1.06238
## 257	-0.95197	0.48246	-0.61113	-0.31685	-0.46725	0.63779	-0.31776
## 258	0.49788	-0.48246	1.98437	-0.31685	0.04257	0.00332	0.88309
## 259	2.59171	-0.48246	1.98437	-0.31685	0.52135	-0.15487	-0.45174
## 260	2.59171	-0.48246	-0.05921	-0.31685	-1.05308	-0.30033	0.29338
## 261	1.09449	0.48246	-0.05921	-0.31685	-0.46725	0.96248	2.15324
## 262	1.82213	-0.48246	0.45468	-0.31685	-0.67825	-0.43999	0.72330
## 263	1.09449	-0.48246	1.16365	-0.50212	-0.92104	0.80523	-0.31776
## 264	1.82213	0.48246	-2.43591	-0.31685	-1.05308	0.00332	-0.01928
## 265	-0.95197	0.48246	0.45468	-0.31685	-0.46725	0.16767	-0.01928
## 266	0.49788	0.48246	0.45468	-1.10702	-0.24649	0.00332	-0.45174
## 267	1.82213	-0.48246	0.45468	-0.31685	-1.19430	-0.15487	-0.17779
## 268	0.49788	-0.48246	-0.05921	-1.10702	-0.92104	1.45421	-1.27553
## 269	1.09449	0.48246	1.16365	-0.31685	-1.05308	1.74091	0.58331
## 270	0.49788	0.48246	1.16365	-1.10702	-0.92104	0.16767	-0.84732
## 271	1.09449	0.48246	1.16365	-0.31685	-2.34360	2.12700	1.65653
## 272	1.09449	0.48246	1.16365	-0.31685	0.73545	-0.69509	0.44585
## 273	1.82213	-0.48246	1.98437	-0.31685	-1.05308	0.00332	-0.01928
## 274	-0.07854	0.48246	0.45468	-0.31685	0.22393	0.16767	-1.11902
## 275	0.49788	-0.48246	1.16365	-0.31685	0.22393	0.96248	0.14143
## 276	0.49788	0.48246	1.16365	-0.31685	0.41667	-0.43999	0.14143
## 277	1.82213	-0.48246	1.98437	-0.31685	-0.92104	0.47617	-0.58331
## 278	-0.07854	-0.48246	-0.61113	-0.31685	-1.05308	1.45421	1.06238
## 279	1.09449	0.48246	0.45468	-0.31685	-0.24649	-0.43999	-0.31776
## 280	1.09449	-0.48246	1.16365	-0.31685	-1.32828	0.80523	0.29338
## 281	1.82213	-0.48246	1.16365	-0.31685	-0.05188	0.16767	0.72330
## 282	1.09449	0.48246	-0.61113	-0.31685	0.04257	-0.30033	-2.21069
## 283	1.09449	0.48246	1.16365	-0.31685	-0.05188	0.00332	0.14143
## 284	1.09449	-0.48246	0.45468	-0.31685	-0.92104	1.58487	0.14143
## 285	0.49788	-0.48246	-0.05921	-0.31685	-1.19430	-0.80615	0.72330
## 286	0.49788	-0.48246	0.45468	-0.31685	-0.92104	1.28610	-0.71727
## 287	1.09449	0.48246	0.45468	-0.31685	0.22393	-1.37639	-0.17779
## 288	1.09449	-0.48246	1.16365	-0.31685	0.31287	0.32197	-0.45174
## 289	-0.07854	-0.48246	-0.61113	-0.31685	0.62967	0.32197	-0.71727
## 290	-0.07854	0.48246	1.16365	-0.31685	-2.05048	0.63779	-0.71727
## 291	0.49788	0.48246	-0.05921	-1.10702	-0.92104	0.96248	-0.84732
## 292	0.49788	0.48246	-0.61113	-0.31685	0.62967	-1.09207	0.44585
## 293	1.09449	0.48246	-0.05921	-0.31685	-0.05188	-0.15487	-0.58331
## 294	-0.07854	0.48246	-0.05921	-0.31685	1.13281	0.00332	-0.17779
## 295	-0.95197	0.48246	-1.43719	-0.31685	-0.34799	0.47617	-0.17779
## 296	0.49788	-0.48246	-0.05921	-0.31685	1.37297	-0.43999	0.14143

## 297	2.59171	0.48246	-1.73790	-0.31685	0.82562	-0.80615	0.14143
## 298	0.49788	0.48246	0.45468	-0.31685	0.13606	-0.30033	-1.42424
## 299	0.49788	0.48246	-0.05921	-0.31685	0.82562	-0.94779	-0.17779
## 300	-0.07854	0.48246	-0.61113	-0.31685	-0.24649	-0.43999	-1.55521
## 301	0.49788	0.48246	1.98437	-0.31685	0.52135	-0.43999	-0.71727
## 302	1.82213	0.48246	-0.05921	-0.31685	-0.14882	0.63779	-0.01928
## 303	1.09449	0.48246	0.45468	-0.31685	-0.34799	0.00332	-1.27553
## 304	1.09449	0.48246	0.45468	-0.31685	-1.05308	-2.32338	-1.27553
## 305	0.49788	-0.48246	1.16365	-0.31685	0.22393	-1.23177	-0.84732
## 306	1.09449	-0.48246	1.16365	-0.31685	-0.46725	-0.57545	-0.71727
## 307	0.49788	0.48246	-1.22751	-0.31685	-1.69163	0.80523	-0.17779
## 308	0.49788	-0.48246	1.16365	-0.31685	-0.79151	0.16767	-0.17779
## 309	1.09449	0.48246	0.45468	-0.31685	-1.32828	-0.15487	-0.84732
## 310	-0.95197	0.48246	-1.73790	-0.31685	1.13281	-0.57545	-1.97495
## 311	1.09449	0.48246	1.16365	-0.31685	-0.34799	0.00332	-0.45174
## 312	-0.07854	0.48246	1.16365	-0.31685	0.04257	1.74091	0.29338
## 313	-0.95197	0.48246	-1.22751	-0.31685	-0.58016	0.16767	-0.71727
## 314	1.09449	0.48246	1.98437	-0.31685	-0.79151	0.80523	0.58331
## 315	1.82213	0.48246	0.45468	-0.31685	-0.46725	0.80523	1.06238
## 316	0.49788	-0.48246	0.45468	-1.10702	-0.79151	1.93886	-0.97631
## 317	-0.07854	0.48246	-0.05921	-0.31685	0.04257	0.00332	-0.71727
## 318	1.09449	0.48246	-1.73790	0.11440	0.31287	-0.30033	-1.27553
## 319	1.09449	0.48246	0.45468	-0.31685	0.73545	-0.30033	-0.58331
## 320	0.49788	0.48246	-0.61113	-0.31685	0.52135	-0.30033	-0.97631
## 321	-0.95197	0.48246	0.45468	-0.31685	-0.79151	0.47617	0.44585
## 322	1.09449	-0.48246	-1.43719	-0.31685	0.91093	-1.09207	-1.68062
## 323	-0.07854	0.48246	1.98437	-0.31685	0.22393	0.00332	1.43533
## 324	0.49788	0.48246	-0.05921	-0.31685	-0.79151	1.28610	-0.17779
## 325	0.49788	-0.48246	-1.22751	-0.31685	-0.58016	-1.63340	-1.97495
## 326	1.09449	-0.48246	1.16365	-0.31685	-1.86962	1.58487	-0.01928
## 327	-0.07854	0.48246	-0.05921	-0.31685	0.22393	-0.30033	-1.27553
## 328	1.09449	-0.48246	-0.05921	-0.31685	-0.34799	0.47617	-0.97631
## 329	1.09449	0.48246	-0.05921	-0.31685	-1.05308	0.47617	-0.71727
## 330	0.49788	-0.48246	-2.43591	-0.31685	-0.24649	-0.43999	-0.97631
## 331	1.82213	0.48246	-1.22751	-0.31685	-0.46725	-0.43999	-1.55521
## 332	-0.95197	0.48246	-0.61113	-0.31685	2.82196	-1.92173	-0.84732
## 333	2.59171	-0.48246	-0.61113	-0.31685	-1.32828	-0.43999	-0.97631
## 334	2.59171	0.48246	-1.73790	-0.31685	-0.14882	-0.15487	-1.42424
## 335	-0.07854	0.48246	1.16365	-0.31685	0.41667	-0.57545	0.58331
## 336	1.09449	0.48246	1.16365	-1.10702	0.62967	0.16767	-0.17779
## 337	1.09449	0.48246	-0.05921	-0.31685	-0.58016	0.32197	1.06238
## 338	0.49788	-0.48246	1.98437	-0.31685	-1.86962	1.28610	0.29338
## 339	1.09449	0.48246	-0.05921	-0.31685	-0.14882	-0.30033	-0.58331
## 340	0.49788	0.48246	1.16365	-0.31685	-0.46725	1.11406	0.88309
## 341	1.82213	0.48246	-0.05921	-0.31685	-1.69163	0.96248	-0.31776
## 342	1.82213	0.48246	-0.05921	-0.31685	0.62967	0.00332	-0.01928
## 343	-0.95197	0.48246	-2.43591	-0.31685	0.22393	-0.15487	-0.01928
## 344	0.49788	0.48246	1.16365	-0.31685	-1.86962	0.16767	1.43533
## 345	0.49788	0.48246	0.45468	-0.31685	0.04257	0.47617	-0.17779
## 346	1.09449	0.48246	0.45468	-0.31685	-0.14882	1.74091	1.65653
## 347	1.09449	-0.48246	1.16365	-0.31685	-0.92104	0.80523	-0.01928
## 348	1.09449	-0.48246	-0.05921	-1.10702	-0.58016	0.32197	-0.45174
## 349	1.09449	-0.48246	0.45468	-0.31685	0.52135	-0.69509	-0.58331
## 350	0.49788	0.48246	-0.61113	-0.31685	1.02119	-0.57545	0.88309

## 351	0.49788	-0.48246	-0.05921	-0.31685	0.41667	0.16767	-0.01928
## 352	1.09449	-0.48246	0.45468	-0.31685	-0.14882	-0.69509	0.44585
## 353	-0.07854	-0.48246	-1.73790	-0.31685	-0.46725	0.00332	-0.17779
## 354	0.49788	-0.48246	-0.05921	-0.31685	0.22393	-0.15487	-0.01928
## 355	-0.07854	-0.48246	-2.43591	-0.31685	0.62967	0.00332	1.24033
## 356	1.09449	-0.48246	0.45468	-0.31685	-1.19430	-0.15487	-1.27553
## 357	0.49788	-0.48246	-1.73790	-0.31685	2.46262	-1.23177	-0.97631
## 358	0.49788	-0.48246	-0.61113	-0.31685	0.41667	-0.80615	0.88309
## 359	-0.07854	0.48246	-0.61113	-0.31685	-0.58016	1.58487	0.58331
## 360	1.09449	0.48246	0.45468	-0.31685	0.52135	0.80523	-0.01928
## 361	0.49788	0.48246	-0.05921	-0.31685	0.62967	0.63779	1.06238
## 362	1.09449	-0.48246	0.45468	-0.31685	0.41667	0.32197	-0.17779
## 363	1.09449	0.48246	-0.05921	-0.31685	1.23461	-0.15487	-1.27553
## 364	0.49788	0.48246	1.98437	-0.31685	0.41667	-0.15487	0.14143
## 365	1.09449	-0.48246	-0.05921	-0.50212	-0.14882	0.00332	-0.58331
## 366	0.49788	0.48246	0.45468	-0.50212	-1.05308	0.47617	-0.17779
## 367	1.09449	0.48246	0.45468	-0.31685	-1.19430	0.47617	0.29338
## 368	-0.07854	-0.48246	-0.05921	-0.31685	-0.05188	-0.94779	-1.68062
## 369	-0.07854	0.48246	0.45468	-0.31685	1.23461	0.32197	0.29338
## 370	-0.95197	-0.48246	-1.22751	-0.31685	0.22393	0.32197	0.14143
## 371	0.49788	0.48246	0.45468	-0.31685	1.02119	2.32338	1.65653
## 372	-0.95197	0.48246	-0.61113	-0.31685	0.91093	0.96248	-1.11902
## 373	1.09449	-0.48246	0.45468	-0.31685	-0.34799	-1.76250	0.72330
## 374	1.82213	0.48246	1.16365	-0.31685	-0.24649	1.28610	0.88309
## 375	2.59171	-0.48246	-0.05921	-0.31685	0.13606	0.16767	0.29338
## 376	1.09449	0.48246	1.16365	-0.31685	-0.92104	0.00332	-0.71727
## 377	-0.07854	0.48246	0.45468	-0.31685	-0.46725	-0.57545	-1.68062
## 378	-0.07854	-0.48246	1.16365	-0.31685	0.82562	-0.94779	0.58331
## 379	1.09449	0.48246	-0.05921	-0.31685	0.82562	-0.43999	0.72330
## 380	0.49788	-0.48246	0.45468	-0.31685	-0.46725	1.11406	-0.31776
## 381	0.49788	-0.48246	-1.73790	-0.31685	-0.34799	-0.57545	-1.11902
## 382	0.49788	0.48246	1.16365	-0.31685	-0.79151	0.16767	-0.17779
## 383	1.09449	0.48246	0.45468	-0.31685	0.13606	-0.30033	-0.45174
## 384	1.09449	0.48246	0.45468	-1.10702	-0.24649	0.16767	-0.97631
## 385	-0.07854	-0.48246	-0.05921	-0.31685	-0.58016	-0.43999	-2.39883
## 386	1.09449	-0.48246	-1.22751	-0.31685	-2.05048	0.47617	-1.11902
## 387	-0.07854	-0.48246	0.45468	-1.10702	-1.32828	0.32197	-0.58331
## 388	0.49788	-0.48246	-0.05921	-0.31685	0.13606	-0.30033	0.14143
## 389	-0.07854	-0.48246	1.98437	-0.31685	-0.58016	0.32197	-0.17779
## 390	0.49788	0.48246	-0.61113	-0.31685	-0.67825	-0.43999	0.29338
## 391	-0.07854	0.48246	0.45468	-0.31685	0.62967	0.00332	0.14143
## 392	0.49788	0.48246	-1.43719	-0.31685	-0.46725	0.32197	-0.58331
## 393	-0.07854	0.48246	-0.05921	-0.31685	-0.79151	-0.15487	-2.21069
## 394	-0.07854	-0.48246	-0.05921	-0.31685	-1.43907	0.63779	-0.17779
## 395	0.49788	-0.48246	0.45468	-0.31685	0.22393	1.28610	-0.45174
## 396	0.49788	0.48246	0.45468	-0.31685	-1.86962	0.63779	-0.97631
## 397	1.09449	-0.48246	-0.05921	-0.31685	0.13606	0.47617	-0.84732
## 398	-0.07854	0.48246	1.16365	-0.31685	-0.79151	0.32197	0.29338
## 399	1.09449	-0.48246	1.16365	-0.31685	-0.92104	1.28610	1.43533
## 400	-0.07854	0.48246	-1.22751	-0.31685	-0.14882	-0.15487	-1.97495
## 401	1.09449	-0.48246	-1.73790	-0.31685	0.13606	-1.09207	-0.45174
## 402	-0.95197	-0.48246	-0.61113	-0.31685	-0.92104	-0.69509	-0.31776
## 403	-0.95197	-0.48246	0.45468	-0.31685	-1.43907	0.63779	-0.31776
## 404	1.09449	-0.48246	-1.43719	-0.31685	0.91093	-0.15487	-0.17779

## 405	-0.95197	0.48246	-2.43591	-0.31685	0.13606	1.58487	1.88511
## 406	1.09449	0.48246	0.45468	-0.31685	1.83990	-0.94779	1.65653
## 407	0.49788	-0.48246	-1.43719	0.11440	1.37297	-0.15487	-0.31776
## 408	-0.07854	-0.48246	0.45468	-0.31685	-0.67825	0.16767	0.58331
## 409	0.49788	0.48246	-0.05921	-0.31685	-1.55078	0.80523	0.72330
## 410	1.09449	-0.48246	-1.22751	-0.31685	1.02119	-1.37639	0.44585
## 411	0.49788	0.48246	-0.61113	-0.31685	-0.46725	-1.50796	0.29338
## 412	-0.07854	0.48246	0.45468	-0.31685	0.13606	1.11406	-0.97631
## 413	0.49788	-0.48246	-0.61113	-0.31685	0.04257	-0.15487	0.72330
## 414	0.49788	0.48246	-0.61113	-0.31685	-1.86962	0.32197	-1.11902
## 415	-0.95197	-0.48246	-1.22751	-0.31685	-0.58016	-1.09207	-0.58331
## 416	-0.95197	-0.48246	-0.61113	-0.31685	-0.05188	-0.69509	0.29338
## 417	-0.07854	-0.48246	-0.61113	-0.31685	-0.79151	0.96248	0.14143
## 418	-0.07854	0.48246	1.98437	-0.31685	0.31287	0.00332	1.06238
## 419	-0.07854	-0.48246	0.45468	-0.31685	0.62967	0.16767	-0.17779
## 420	-0.95197	-0.48246	-1.22751	-0.31685	0.31287	0.80523	-0.01928
## 421	-0.07854	-0.48246	-0.61113	-0.31685	0.31287	-1.76250	-1.42424
## 422	0.49788	-0.48246	-0.05921	-0.31685	-0.79151	-0.15487	-0.01928
## 423	0.49788	0.48246	0.45468	0.12600	-1.05308	0.80523	-0.71727
## 424	1.09449	0.48246	1.98437	-0.31685	0.52135	0.00332	1.65653
## 425	0.49788	-0.48246	0.45468	-0.31685	-0.34799	-0.30033	0.14143
## 426	1.09449	-0.48246	-1.73790	-0.31685	0.22393	0.00332	-0.31776
## 427	0.49788	-0.48246	0.45468	-0.31685	0.62967	-0.80615	-0.17779
## 428	-0.07854	0.48246	-1.22751	-0.31685	-0.92104	-0.15487	-2.09015
## 429	-0.07854	-0.48246	-2.43591	-0.31685	0.22393	-0.94779	-1.42424
## 430	-0.07854	0.48246	-1.22751	-0.31685	0.04257	0.32197	-0.97631
## 431	-0.07854	-0.48246	0.45468	-0.31685	-0.24649	-0.30033	-1.68062
## 432	1.09449	0.48246	-1.73790	-0.31685	0.22393	1.93886	-1.11902
## 433	-0.95197	0.48246	0.45468	-0.31685	-0.14882	0.96248	-1.55521
## 434	-0.07854	0.48246	0.45468	-0.31685	0.04257	0.47617	-1.11902
## 435	1.82213	-0.48246	-0.61113	-0.31685	-0.67825	-0.30033	1.06238
## 436	1.09449	-0.48246	-1.73790	-0.31685	-1.43907	0.47617	0.29338
## 437	-0.07854	0.48246	0.45468	-0.31685	2.82196	-0.43999	-0.84732
## 438	-0.95197	0.48246	-0.61113	-0.31685	1.37297	-0.30033	0.29338
## 439	0.49788	0.48246	0.45468	-0.31685	-0.46725	0.47617	-0.58331
## 440	-0.95197	0.48246	-0.61113	-0.31685	-0.67825	1.45421	-2.09015
## 441	-0.07854	0.48246	1.16365	-0.31685	-0.92104	0.00332	0.29338
## 442	0.49788	-0.48246	-1.73790	-0.31685	0.41667	0.63779	-0.71727
## 443	1.09449	0.48246	-0.05921	-0.31685	-0.46725	0.80523	0.58331
## 444	1.09449	0.48246	0.45468	-0.31685	1.02119	-0.94779	-0.58331
## 445	-0.07854	0.48246	0.45468	-0.31685	0.22393	-1.09207	0.44585
## 446	-0.07854	-0.48246	1.16365	-0.31685	0.04257	-0.15487	-0.84732
## 447	-0.95197	0.48246	-0.61113	-0.31685	1.13281	1.45421	1.06238
## 448	-0.95197	-0.48246	0.45468	-0.31685	-0.34799	0.63779	0.44585
## 449	-0.95197	0.48246	0.45468	-0.31685	0.73545	-0.15487	-0.84732
## 450	-0.95197	0.48246	1.16365	-0.31685	-1.19430	0.80523	-0.84732
## 451	0.49788	0.48246	0.45468	-0.31685	-0.14882	-0.15487	0.14143
## 452	-0.07854	-0.48246	0.45468	-0.31685	1.23461	-1.76250	-0.31776
## 453	1.09449	-0.48246	1.98437	-0.31685	-0.14882	-0.57545	0.88309
## 454	-0.95197	0.48246	0.45468	-0.31685	0.82562	-0.80615	0.72330
## 455	0.49788	-0.48246	0.45468	-0.31685	1.60383	-0.43999	0.29338
## 456	0.49788	0.48246	1.16365	-0.31685	-0.46725	-0.57545	0.14143
## 457	-0.95197	0.48246	0.45468	-0.31685	0.62967	0.00332	0.14143
## 458	-0.07854	-0.48246	1.16365	-0.31685	0.91093	1.28610	1.88511

## 459	-0.95197	0.48246	0.45468	-0.31685	1.23461	-1.37639	1.24033
## 460	-0.95197	-0.48246	-0.61113	-0.31685	1.49158	-1.37639	-2.63199
## 461	0.49788	-0.48246	-0.61113	-0.31685	0.82562	0.47617	1.43533
## 462	1.09449	-0.48246	-1.22751	-0.31685	1.02119	-0.94779	-0.58331
## 463	-0.95197	0.48246	0.45468	-0.31685	0.31287	-0.80615	1.06238
## 464	-0.95197	0.48246	1.16365	-0.31685	1.37297	-1.09207	-0.01928
## 465	-0.95197	0.48246	0.45468	-0.50212	0.31287	0.63779	1.06238
## 466	1.09449	-0.48246	0.45468	-0.31685	0.22393	0.00332	1.24033
## 467	0.49788	-0.48246	0.45468	-0.31685	-0.05188	0.16767	-0.71727
## 468	-0.07854	-0.48246	0.45468	-0.31685	-1.19430	1.74091	1.43533
## 469	1.09449	0.48246	-1.73790	-0.31685	2.82196	-1.63340	-1.42424
## 470	-0.95197	0.48246	0.45468	-0.31685	0.13606	0.80523	0.29338
## 471	-0.95197	-0.48246	1.16365	-0.22166	-0.92104	2.57309	1.06238
## 472	-0.95197	0.48246	-2.43591	-0.31685	0.31287	0.00332	-0.17779
## 473	0.49788	0.48246	-0.61113	-0.31685	1.37297	0.00332	-0.45174
## 474	1.82213	0.48246	0.45468	0.12600	-0.24649	0.96248	0.14143
## 475	1.09449	0.48246	0.45468	-0.31685	-1.19430	0.96248	-0.45174
## 476	0.49788	-0.48246	0.45468	-0.31685	1.72012	-0.94779	0.58331
## 477	0.49788	0.48246	-0.05921	-0.31685	1.49158	-0.69509	-0.71727
## 478	-0.07854	0.48246	0.45468	-0.31685	0.41667	0.80523	-0.31776
## 479	-0.07854	0.48246	1.16365	-0.31685	0.41667	-0.43999	1.43533
## 480	-0.95197	-0.48246	-0.61113	-0.31685	1.13281	-0.80615	-0.17779
## 481	0.49788	0.48246	0.45468	-0.31685	1.02119	0.16767	0.29338
## 482	0.49788	-0.48246	-0.61113	-0.31685	-0.67825	-0.15487	0.29338
## 483	-0.07854	0.48246	0.45468	-0.31685	1.23461	0.47617	1.43533
## 484	0.49788	0.48246	-1.73790	-0.31685	-0.58016	0.96248	-0.58331
## 485	1.09449	0.48246	-1.73790	-0.31685	-0.46725	0.32197	-1.55521
## 486	-0.07854	-0.48246	-1.22751	-0.31685	1.49158	-1.63340	1.06238
## 487	0.49788	0.48246	-1.22751	-0.31685	1.83990	-1.76250	1.24033
## 488	-0.07854	-0.48246	-1.73790	-0.31685	0.41667	-1.37639	0.14143
## 489	-0.95197	-0.48246	-2.43591	-0.31685	1.98437	-1.37639	0.29338
## 490	-0.95197	-0.48246	-0.61113	-0.31685	-1.05308	1.11406	0.88309
## 491	1.09449	0.48246	-0.05921	-0.31685	0.62967	0.80523	0.44585
## 492	-0.95197	-0.48246	-1.22751	-0.31685	-0.92104	0.47617	0.44585
## 493	-0.95197	-0.48246	-0.05921	-0.31685	0.52135	-0.57545	0.88309
## 494	-0.95197	-0.48246	-0.61113	-0.31685	0.73545	-1.63340	0.88309
## 495	-0.95197	-0.48246	-0.05921	0.11440	-1.19430	-0.43999	0.44585
## 496	1.82213	-0.48246	-0.61113	-0.31685	-0.79151	0.16767	0.58331
## 497	-0.07854	-0.48246	1.16365	-0.31685	0.04257	1.28610	2.90161
## 498	-0.07854	-0.48246	-1.73790	-0.31685	-0.05188	-0.57545	0.88309
## 499	1.82213	0.48246	-0.61113	-0.31685	1.37297	-0.69509	1.43533
## 500	0.49788	0.48246	-0.05921	-0.31685	0.04257	0.47617	-0.84732
## 501	-0.07854	0.48246	-0.05921	-0.31685	-0.58016	-0.15487	-1.42424
## 502	-0.95197	-0.48246	-0.61113	-0.31685	-1.55078	0.63779	-0.31776
## 503	1.82213	0.48246	-0.05921	-0.31685	0.04257	-0.30033	-0.31776
## 504	0.49788	-0.48246	-1.73790	-0.31685	-0.05188	0.00332	-0.31776
## 505	1.09449	-0.48246	-0.05921	-0.31685	0.41667	0.47617	0.29338
## 506	0.49788	-0.48246	0.45468	-0.31685	-0.46725	0.63779	0.88309
## 507	-0.07854	-0.48246	0.45468	-0.31685	0.13606	-0.30033	-0.97631
## 508	0.49788	-0.48246	-1.73790	-0.31685	1.49158	-1.09207	-1.11902
## 509	0.49788	0.48246	1.16365	-0.31685	-1.05308	1.11406	-0.31776
## 510	0.49788	-0.48246	0.45468	-0.31685	0.04257	0.96248	-0.58331
## 511	1.09449	0.48246	1.16365	-0.31685	0.41667	0.47617	-0.17779
## 512	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	0.47617	0.58331

## 513	1.82213	-0.48246	-1.73790	-0.31685	-0.14882	-0.30033	-0.17779
## 514	0.49788	-0.48246	-1.73790	-0.31685	0.91093	-0.30033	-1.55521
## 515	-0.95197	0.48246	-1.43719	-0.31685	-1.43907	1.93886	0.44585
## 516	0.49788	0.48246	-1.73790	-0.31685	-0.14882	0.16767	-0.71727
## 517	-0.07854	0.48246	1.16365	-0.31685	0.31287	-0.15487	0.29338
## 518	-0.07854	-0.48246	-0.05921	-0.31685	0.52135	-0.57545	0.14143
## 519	-0.07854	-0.48246	1.16365	-0.31685	-0.14882	0.32197	-1.27553
## 520	0.49788	0.48246	0.45468	-0.31685	0.22393	-0.30033	-0.97631
## 521	1.09449	0.48246	-1.73790	-0.31685	0.62967	-0.30033	-0.84732
## 522	-0.95197	-0.48246	-0.61113	-0.31685	0.04257	0.32197	-0.01928
## 523	-0.95197	-0.48246	-0.61113	-0.31685	-0.24649	0.47617	-0.17779
## 524	0.49788	0.48246	-2.43591	-0.31685	0.13606	-0.80615	-1.82919
## 525	1.09449	0.48246	0.45468	-0.31685	-0.67825	0.63779	1.06238
## 526	1.82213	-0.48246	-1.22751	-0.31685	-1.86962	0.47617	-1.11902
## 527	-0.95197	-0.48246	-0.05921	-0.31685	0.91093	-1.37639	-0.31776
## 528	0.49788	-0.48246	1.98437	-0.31685	0.62967	-0.15487	-0.17779
## 529	-0.07854	0.48246	-0.05921	-0.31685	0.73545	1.11406	-0.01928
## 530	1.82213	-0.48246	0.45468	-0.31685	0.91093	0.00332	0.58331
## 531	1.09449	-0.48246	0.45468	-0.31685	1.02119	-1.50796	-0.71727
## 532	-0.95197	0.48246	0.45468	-0.31685	-0.24649	0.16767	-0.71727
## 533	-0.07854	-0.48246	1.16365	-0.31685	-0.34799	-0.15487	-0.71727
## 534	0.49788	0.48246	1.16365	-0.31685	-1.86962	2.32338	-0.45174
## 535	-0.07854	0.48246	0.45468	-0.31685	0.91093	0.00332	0.88309
## 536	-0.95197	0.48246	0.45468	-0.31685	1.37297	0.80523	-0.97631
## 537	1.09449	0.48246	-0.61113	-0.50212	0.73545	-0.30033	-1.27553
## 538	0.49788	0.48246	0.45468	-0.31685	1.13281	-0.30033	-0.01928
## 539	1.09449	-0.48246	1.16365	-0.31685	-1.32828	1.28610	-0.17779
## 540	1.09449	0.48246	0.45468	-0.31685	-1.05308	0.32197	-0.17779
## 541	1.09449	0.48246	0.45468	-1.10702	0.22393	0.80523	-0.01928
## 542	0.49788	-0.48246	-1.43719	-0.31685	0.73545	0.80523	0.88309
## 543	-0.07854	0.48246	0.45468	-0.31685	0.82562	0.63779	-0.97631
## 544	-0.95197	0.48246	-1.73790	-0.31685	1.23461	-0.57545	-0.71727
## 545	0.49788	0.48246	-0.05921	-0.31685	1.60383	0.16767	-0.45174
## 546	1.09449	0.48246	-0.61113	-0.31685	-0.92104	-0.43999	0.88309
## 547	-0.07854	0.48246	1.16365	-0.31685	-1.86962	-0.69509	-0.97631
## 548	-0.95197	-0.48246	0.45468	-0.31685	1.23461	-0.43999	0.14143
## 549	-0.07854	0.48246	1.16365	-0.31685	-1.19430	1.11406	0.14143
## 550	-0.95197	0.48246	0.45468	-0.31685	-0.14882	-0.43999	-1.42424
## 551	0.49788	0.48246	1.16365	-0.31685	-0.79151	1.28610	0.14143
## 552	-0.95197	0.48246	1.16365	-0.31685	1.72012	-1.50796	-0.17779
## 553	-0.07854	0.48246	1.16365	-0.22166	1.02119	-1.92173	-0.45174
## 554	-0.07854	0.48246	1.98437	-0.31685	0.62967	0.47617	-0.45174
## 555	1.09449	0.48246	1.16365	-0.31685	0.22393	-0.94779	-1.11902
## 556	-0.95197	0.48246	0.45468	-0.31685	-0.14882	-0.30033	0.29338
## 557	-0.07854	0.48246	0.45468	-0.31685	-1.69163	0.96248	-0.17779
## 558	-0.95197	0.48246	0.45468	-0.31685	-0.46725	-0.15487	-0.58331
## 559	1.09449	0.48246	0.45468	-0.31685	-0.79151	0.00332	0.44585
## 560	-0.95197	0.48246	0.45468	-0.31685	1.02119	0.16767	-0.71727
## 561	0.49788	0.48246	0.45468	-0.31685	0.62967	0.63779	0.44585
## 562	0.49788	0.48246	1.16365	0.11440	2.61139	0.47617	-1.55521
## 563	-0.07854	0.48246	1.16365	-0.31685	0.82562	0.32197	-0.58331
## 564	1.09449	0.48246	-0.61113	-0.31685	-0.46725	-0.43999	-0.01928
## 565	1.09449	0.48246	1.16365	-0.31685	0.31287	-0.80615	0.14143
## 566	-0.95197	0.48246	0.45468	-0.31685	0.91093	1.11406	-0.97631

## 567	-0.95197	-0.48246	0.45468	-0.31685	1.83990	0.63779	1.24033
## 568	0.49788	-0.48246	1.16365	-0.31685	1.02119	-0.80615	-0.17779
## 569	0.49788	0.48246	1.98437	-0.31685	-0.34799	0.80523	-0.17779
## 570	0.49788	0.48246	-0.05921	-0.31685	0.22393	1.11406	-1.11902
## 571	-0.95197	0.48246	1.16365	-0.31685	-1.69163	1.93886	-0.17779
## 572	0.49788	-0.48246	-0.05921	-0.31685	1.23461	-1.23177	-1.68062
## 573	1.82213	0.48246	-0.61113	-0.31685	-0.92104	0.96248	0.44585
## 574	0.49788	0.48246	0.45468	-0.31685	2.12700	-1.50796	-1.82919
## 575	0.49788	-0.48246	-1.73790	-0.31685	-1.86962	0.80523	-1.55521
## 576	-0.07854	0.48246	1.16365	0.11440	0.82562	0.32197	0.14143
## 577	-0.07854	0.48246	0.45468	-0.31685	1.02119	0.80523	-0.71727
## 578	1.09449	0.48246	1.16365	-0.31685	1.02119	-0.15487	0.29338
## 579	-0.95197	0.48246	1.16365	-0.31685	-0.14882	0.80523	0.58331
## 580	0.49788	0.48246	-0.61113	-0.31685	-1.19430	0.00332	-1.11902
## 581	-0.95197	-0.48246	-0.61113	-0.31685	-0.92104	1.58487	0.44585
## 582	0.49788	0.48246	-0.05921	-0.31685	0.31287	1.28610	1.65653
## 583	-0.95197	0.48246	-0.61113	-0.31685	0.62967	0.00332	-0.58331
## 584	-0.07854	-0.48246	0.45468	-0.31685	-0.24649	0.16767	-0.31776
## 585	-0.95197	-0.48246	-0.05921	-0.31685	0.73545	-0.57545	1.24033
## 586	-0.95197	-0.48246	-0.61113	-0.31685	0.31287	0.32197	-0.31776
## 587	-0.07854	0.48246	-1.73790	-0.31685	-0.46725	1.58487	0.44585
## 588	1.82213	0.48246	-0.61113	-0.31685	-1.32828	-0.15487	0.29338
## 589	0.49788	-0.48246	-2.43591	-0.31685	-0.58016	0.00332	-0.58331
## 590	0.49788	0.48246	0.45468	-0.31685	0.41667	-0.43999	-0.31776
## 591	0.49788	0.48246	-0.05921	-0.31685	-2.75696	0.96248	0.14143
## 592	-0.07854	-0.48246	-0.05921	-0.22166	-0.05188	0.96248	-0.01928
## 593	0.49788	-0.48246	-1.73790	-0.31685	-0.34799	-0.57545	-0.58331
## 594	1.09449	-0.48246	-0.05921	-0.31685	0.31287	0.16767	-0.45174
## 595	-0.95197	-0.48246	-1.73790	-0.31685	-1.43907	0.80523	0.72330
## 596	1.82213	0.48246	-0.05921	-0.31685	-0.34799	-0.43999	-0.31776
## 597	1.09449	0.48246	-0.05921	-0.31685	0.04257	0.16767	-0.58331
## 598	-0.95197	-0.48246	-0.61113	-0.31685	0.52135	-0.15487	0.29338
## 599	1.09449	0.48246	1.16365	-0.31685	0.73545	-0.57545	-0.58331
## 600	-0.95197	-0.48246	-0.61113	-0.31685	1.02119	1.11406	0.72330
## 601	-0.95197	-0.48246	-0.61113	-0.31685	0.52135	-1.63340	-1.11902
## 602	-0.95197	-0.48246	-0.61113	-0.31685	1.98437	-0.94779	0.72330
## 603	-0.07854	-0.48246	0.45468	-0.31685	-0.67825	-0.80615	-0.45174
## 604	0.49788	0.48246	-0.61113	-0.31685	0.41667	0.32197	0.29338
## 605	1.82213	0.48246	1.16365	-0.31685	-2.52197	1.11406	1.88511
## 606	-0.95197	-0.48246	0.45468	-0.31685	-0.46725	0.00332	-1.11902
## 607	1.09449	-0.48246	-0.61113	-0.31685	-0.05188	0.00332	0.88309
## 608	-0.07854	-0.48246	0.45468	-0.31685	-1.69163	1.28610	1.24033
## 609	1.82213	0.48246	-0.05921	-0.31685	1.23461	-0.80615	-1.42424
## 610	-0.07854	-0.48246	-0.61113	-0.31685	-0.92104	0.96248	0.88309
## 611	-0.07854	-0.48246	0.45468	-0.31685	-0.67825	0.32197	-0.58331
## 612	0.49788	-0.48246	0.45468	-0.31685	-1.19430	0.16767	-0.17779
## 613	-0.07854	0.48246	1.16365	-0.31685	1.98437	-0.30033	-0.31776
## 614	-0.07854	0.48246	-2.43591	-0.31685	-0.24649	0.63779	-0.71727
## 615	0.49788	0.48246	1.16365	-0.31685	0.13606	-0.15487	-0.45174
## 616	1.09449	0.48246	-0.61113	-0.31685	1.02119	0.16767	-0.17779
## 617	1.09449	-0.48246	-0.05921	-0.31685	-0.92104	1.28610	-0.31776
## 618	-0.07854	0.48246	0.45468	-0.31685	-0.05188	1.11406	0.88309
## 619	1.82213	-0.48246	1.16365	-0.31685	-0.67825	-0.94779	0.72330
## 620	-0.95197	-0.48246	-1.22751	-0.31685	0.52135	-1.37639	-0.45174

## 621	0.49788	-0.48246	1.16365	-0.31685	-0.92104	0.63779	-0.17779
## 622	0.49788	0.48246	1.16365	-0.31685	-0.14882	0.47617	-0.31776
## 623	1.09449	0.48246	1.16365	-0.31685	-0.34799	0.00332	-0.45174
## 624	0.49788	0.48246	1.98437	-0.31685	0.04257	0.00332	-1.27553
## 625	0.49788	0.48246	-0.05921	-0.31685	-0.34799	-0.57545	-0.58331
## 626	0.49788	-0.48246	0.45468	-0.31685	-0.05188	-0.43999	-0.84732
## 627	0.49788	-0.48246	1.98437	-0.31685	-1.69163	-0.94779	-1.55521
## 628	-0.07854	0.48246	1.98437	-0.31685	1.23461	-1.09207	-1.27553
## 629	1.09449	0.48246	1.98437	-0.22166	-0.46725	0.47617	0.58331
## 630	0.49788	0.48246	1.98437	-0.31685	0.52135	-0.30033	1.65653
## 631	-0.95197	0.48246	0.45468	-0.31685	0.41667	-0.15487	-0.31776
## 632	-0.95197	0.48246	0.45468	-0.31685	1.23461	-0.43999	-1.27553
## 633	-0.07854	0.48246	1.16365	-0.31685	-0.67825	1.74091	0.44585
## 634	0.49788	0.48246	1.98437	-0.31685	1.23461	0.16767	-0.01928
## 635	0.49788	-0.48246	0.45468	-0.31685	-0.79151	-0.30033	-0.17779
## 636	1.09449	0.48246	0.45468	-0.31685	-0.67825	0.32197	-0.45174
## 637	0.49788	0.48246	-0.05921	-0.31685	-0.34799	0.16767	-0.97631
## 638	-0.95197	0.48246	0.45468	-0.31685	-0.24649	-0.57545	-1.42424
## 639	-0.07854	-0.48246	-1.73790	-0.31685	-0.24649	1.74091	0.88309
## 640	1.09449	-0.48246	0.45468	-0.31685	-0.14882	-0.69509	0.44585
## 641	0.49788	-0.48246	1.16365	-0.31685	-0.67825	0.96248	0.88309
## 642	-0.07854	0.48246	1.16365	-1.10702	-1.05308	0.63779	-0.31776
## 643	-0.07854	-0.48246	-0.61113	-0.31685	0.22393	-0.30033	-1.68062
## 644	1.09449	-0.48246	0.45468	-0.31685	0.04257	-0.30033	-0.31776
## 645	-0.95197	0.48246	0.45468	-0.31685	-0.46725	-0.15487	-0.31776
## 646	-0.95197	-0.48246	-0.61113	-0.31685	-1.43907	1.45421	1.06238
## 647	0.49788	0.48246	1.16365	-0.31685	1.13281	0.16767	1.06238
## 648	-0.07854	0.48246	0.45468	-0.31685	-0.14882	0.80523	-1.27553
## 649	1.09449	0.48246	1.16365	-0.31685	-0.46725	2.12700	2.44904
## 650	-0.07854	-0.48246	1.16365	-0.31685	0.62967	0.47617	0.44585
## 651	-0.95197	-0.48246	-0.61113	-0.31685	1.02119	1.28610	1.24033
## 652	-0.95197	-0.48246	-0.61113	-0.31685	-0.67825	0.63779	-0.01928
## 653	0.49788	0.48246	-1.73790	-0.31685	-0.34799	0.96248	-0.71727
## 654	-0.07854	-0.48246	1.16365	0.11440	-0.46725	1.74091	-0.45174
## 655	1.09449	-0.48246	-0.61113	-0.31685	1.23461	-0.57545	0.29338
## 656	1.09449	-0.48246	-0.05921	-0.31685	1.13281	-1.37639	1.43533
## 657	-0.95197	-0.48246	1.16365	-0.31685	0.62967	0.16767	0.44585
## 658	-0.07854	-0.48246	1.98437	-0.31685	-0.79151	1.45421	1.88511
## 659	-0.07854	0.48246	1.16365	-1.10702	-1.32828	0.47617	-0.01928
## 660	-0.95197	0.48246	0.45468	-0.31685	-0.24649	-1.09207	-0.71727
## 661	-0.07854	0.48246	0.45468	-0.31685	0.04257	0.16767	0.29338
## 662	-0.07854	0.48246	1.98437	-0.31685	1.23461	-1.23177	-0.31776
## 663	-0.95197	-0.48246	0.45468	-0.31685	-0.34799	-0.43999	0.58331
## 664	-0.07854	0.48246	1.98437	-0.31685	1.13281	-0.43999	0.14143
## 665	-0.95197	-0.48246	-1.22751	-0.31685	-2.05048	-0.30033	0.14143
## 666	0.49788	-0.48246	-0.61113	-0.31685	0.91093	-0.69509	1.24033
## 667	1.09449	-0.48246	0.45468	-0.31685	-1.69163	2.12700	0.14143
## 668	-0.07854	-0.48246	-0.61113	-0.31685	-0.58016	0.96248	0.44585
## 669	-0.95197	-0.48246	-0.05921	-0.31685	-0.34799	0.16767	-0.45174
## 670	0.49788	-0.48246	-0.05921	-0.31685	-0.46725	0.80523	-0.01928
## 671	-0.95197	-0.48246	0.45468	-0.31685	-0.24649	0.00332	1.43533
## 672	-0.95197	0.48246	-0.61113	-0.31685	1.23461	1.11406	0.44585
## 673	-0.95197	0.48246	1.16365	-0.50212	0.82562	-0.69509	-0.58331
## 674	0.49788	-0.48246	-0.05921	-0.31685	-0.05188	-0.30033	-0.71727

## 675	-0.95197	-0.48246	-0.05921	-0.31685	0.22393	0.00332	-1.68062
## 676	-0.07854	-0.48246	0.45468	-0.31685	0.52135	-0.30033	0.44585
## 677	-0.95197	-0.48246	-0.61113	-0.31685	2.28554	-2.11437	-0.31776
## 678	-0.95197	0.48246	-0.61113	-0.31685	0.62967	-0.30033	-0.58331
## 679	1.09449	-0.48246	1.98437	-0.31685	0.22393	-0.80615	-0.17779
## 680	0.49788	-0.48246	-0.61113	-0.31685	-1.32828	0.00332	-1.27553
## 681	-0.07854	-0.48246	1.16365	-0.31685	1.37297	-1.76250	0.44585
## 682	0.49788	0.48246	0.45468	-0.31685	0.52135	-0.15487	-0.45174
## 683	0.49788	0.48246	-0.05921	-0.31685	0.91093	-0.69509	1.24033
## 684	-0.07854	-0.48246	0.45468	-0.31685	-0.34799	0.16767	0.72330
## 685	-0.95197	0.48246	-0.61113	-0.31685	1.60383	0.96248	1.43533
## 686	1.09449	0.48246	-2.43591	-0.31685	-0.92104	0.63779	-0.97631
## 687	0.49788	-0.48246	-0.61113	-0.31685	1.02119	1.11406	-0.31776
## 688	1.82213	0.48246	1.16365	-0.31685	0.82562	-0.69509	-0.45174
## 689	1.82213	-0.48246	-0.61113	-0.31685	0.41667	-0.69509	-1.42424
## 690	-0.07854	0.48246	0.45468	-0.31685	-0.14882	-0.15487	-0.97631
## 691	1.09449	0.48246	1.16365	-0.31685	0.22393	-0.69509	-0.31776
## 692	0.49788	-0.48246	1.16365	-0.31685	-1.19430	-0.30033	0.14143
## 693	0.49788	-0.48246	-0.05921	-0.31685	-0.92104	-0.57545	-0.45174
## 694	0.49788	0.48246	1.16365	-0.31685	-0.14882	-0.43999	-0.01928
## 695	1.82213	-0.48246	0.45468	-0.31685	-0.79151	0.32197	0.44585
## 696	1.09449	0.48246	0.45468	0.11440	-1.69163	-0.30033	1.06238
## 697	0.49788	-0.48246	0.45468	-0.31685	-0.05188	-0.94779	0.88309
## 698	1.82213	-0.48246	-0.61113	-0.31685	-0.14882	-1.09207	-0.71727
## 699	0.49788	0.48246	-0.61113	-0.31685	0.91093	0.16767	0.44585
## 700	1.09449	-0.48246	-2.43591	-0.31685	-1.05308	1.11406	0.44585
## 701	0.49788	0.48246	0.45468	-0.31685	-0.34799	0.63779	0.58331
## 702	1.82213	-0.48246	0.45468	-0.31685	-1.43907	0.80523	-0.17779
## 703	0.49788	-0.48246	-0.61113	-0.31685	-0.79151	-0.30033	-0.58331
## 704	-0.95197	-0.48246	-0.61113	-0.31685	-1.43907	0.32197	1.06238
## 705	-0.95197	0.48246	0.45468	-0.31685	-0.14882	-0.94779	-1.42424
## 706	-0.07854	-0.48246	0.45468	-0.31685	-0.05188	1.93886	0.29338
## 707	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	-0.57545	-0.45174
## 708	-0.95197	-0.48246	-0.05921	-0.31685	-0.92104	-0.30033	-0.71727
## 709	-0.95197	-0.48246	0.45468	-0.31685	0.91093	0.16767	0.58331
## 710	-0.95197	-0.48246	-0.61113	-0.31685	-0.58016	-0.15487	-0.84732
## 711	-0.07854	0.48246	1.16365	-0.31685	0.52135	0.32197	0.72330
## 712	-0.95197	-0.48246	0.45468	-0.31685	0.52135	0.80523	0.88309
## 713	-0.95197	-0.48246	-0.05921	-0.31685	0.73545	1.11406	0.44585
## 714	-0.95197	0.48246	-0.61113	-0.31685	0.62967	0.47617	1.06238
## 715	-0.95197	-0.48246	-0.61113	-0.31685	-0.05188	-1.50796	-1.27553
## 716	0.49788	-0.48246	0.45468	-0.31685	-0.79151	-0.80615	-0.31776
## 717	-0.95197	-0.48246	-1.73790	-0.31685	-0.05188	-1.23177	-0.71727
## 718	1.82213	-0.48246	0.45468	-0.31685	-0.34799	-0.94779	-0.71727
## 719	0.49788	-0.48246	-0.61113	-0.31685	1.23461	0.80523	0.88309
## 720	0.49788	0.48246	-0.05921	-0.31685	1.60383	-0.69509	0.29338
## 721	1.82213	-0.48246	-0.05921	-0.31685	-0.05188	-0.30033	-0.01928
## 722	-0.07854	0.48246	0.45468	-0.31685	-0.92104	1.45421	0.29338
## 723	0.49788	0.48246	-0.61113	-0.31685	1.13281	-0.57545	0.72330
## 724	-0.07854	0.48246	1.16365	-0.31685	0.31287	0.63779	0.72330
## 725	-0.95197	-0.48246	-0.05921	-0.31685	2.28554	-0.94779	0.72330
## 726	-0.07854	0.48246	1.16365	-0.22166	0.31287	0.63779	-0.58331
## 727	-0.95197	-0.48246	-0.61113	-0.31685	-1.43907	0.16767	0.72330
## 728	-0.07854	0.48246	-1.73790	-0.31685	-0.58016	0.32197	0.14143

## 729	0.49788	0.48246	0.45468	-0.31685	0.73545	0.00332	-0.97631
## 730	-0.95197	-0.48246	-0.61113	-0.31685	-0.79151	1.28610	-0.31776
## 731	-0.95197	0.48246	0.45468	-0.31685	1.23461	0.63779	0.72330
## 732	0.49788	-0.48246	-1.73790	0.12600	0.62967	0.16767	0.29338
## 733	-0.95197	-0.48246	-0.61113	-0.31685	0.73545	1.11406	1.43533
## 734	-0.07854	0.48246	0.45468	-0.31685	0.22393	2.12700	2.44904
## 735	-0.07854	-0.48246	0.45468	-0.31685	-0.46725	-1.76250	-2.85950
## 736	-0.07854	-0.48246	0.45468	-0.31685	-1.05308	1.74091	-0.01928
## 737	-0.95197	0.48246	-1.22751	-0.31685	1.23461	0.16767	1.43533
## 738	-0.07854	-0.48246	1.16365	-0.31685	-0.05188	-1.37639	0.44585
## 739	0.49788	-0.48246	-0.61113	-0.31685	-1.32828	0.16767	0.58331
## 740	1.09449	0.48246	1.16365	-0.31685	0.82562	-0.30033	0.29338
## 741	0.49788	0.48246	0.45468	-0.31685	0.62967	0.16767	-0.71727
## 742	-0.07854	-0.48246	-1.73790	-0.31685	-0.34799	0.00332	-0.58331
## 743	1.09449	-0.48246	-0.61113	-0.31685	-0.92104	0.16767	-0.01928
## 744	-0.07854	0.48246	-1.73790	-0.31685	0.73545	0.32197	-1.11902
## 745	-0.07854	0.48246	1.16365	-0.31685	-0.05188	0.47617	0.44585
## 746	0.49788	0.48246	-1.73790	-0.31685	0.41667	-0.57545	-1.42424
## 747	0.49788	0.48246	1.98437	-0.31685	-1.69163	0.96248	-0.97631
## 748	0.49788	-0.48246	1.16365	-0.31685	-0.14882	0.00332	-0.01928
## 749	-0.07854	0.48246	-0.05921	-0.31685	-2.34360	1.45421	-1.82919
## 750	-0.07854	-0.48246	-0.61113	-0.31685	1.60383	-0.30033	1.06238
## 751	-0.07854	0.48246	1.16365	-0.31685	0.41667	1.11406	-0.58331
## 752	-0.07854	-0.48246	1.98437	-0.31685	-0.92104	0.47617	1.43533
## 753	-0.95197	-0.48246	-0.61113	-0.31685	-1.43907	1.58487	1.65653
## 754	-0.95197	0.48246	1.16365	0.12600	0.62967	0.32197	-0.58331
## 755	-0.95197	0.48246	-0.61113	-0.31685	2.28554	-0.43999	-0.17779
## 756	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	0.63779	-0.01928
## 757	-0.95197	-0.48246	1.98437	-0.31685	-2.75696	1.74091	0.58331
## 758	-0.07854	-0.48246	0.45468	-0.31685	0.04257	-0.94779	-0.84732
## 759	-0.95197	-0.48246	-0.61113	-0.31685	1.72012	0.32197	-1.11902
## 760	-0.07854	0.48246	0.45468	-0.31685	-1.32828	0.80523	1.43533
## 761	-0.95197	0.48246	0.45468	-0.31685	1.13281	0.80523	0.58331
## 762	-0.95197	-0.48246	-1.73790	-0.31685	0.41667	-0.94779	1.06238
## 763	-0.95197	-0.48246	-0.61113	-0.31685	0.62967	0.16767	2.15324
## 764	-0.95197	-0.48246	-0.61113	-0.31685	1.02119	-0.80615	0.29338
## 765	-0.07854	-0.48246	1.16365	-0.31685	0.82562	-0.69509	0.14143
## 766	-0.95197	0.48246	-0.05921	0.11440	-0.34799	0.63779	0.14143
## 767	-0.07854	-0.48246	0.45468	-0.31685	1.02119	0.16767	0.58331
## 768	-0.95197	-0.48246	-0.61113	-0.31685	0.62967	-1.63340	-1.27553
## 769	-0.95197	0.48246	1.16365	-0.50212	0.52135	-1.37639	-1.82919
## 770	1.09449	-0.48246	0.45468	-0.31685	1.23461	-1.37639	-0.45174
## 771	1.09449	0.48246	-0.05921	-0.31685	1.02119	-1.23177	-0.31776
## 772	-0.95197	-0.48246	-1.22751	-0.31685	-1.19430	-0.43999	0.58331
## 773	-0.95197	0.48246	-0.61113	-0.31685	-1.69163	0.47617	0.88309
## 774	-0.07854	-0.48246	-0.61113	-0.31685	0.13606	-0.43999	-0.84732
## 775	-0.95197	-0.48246	-0.61113	0.12600	0.52135	0.63779	0.72330
## 776	-0.95197	-0.48246	-0.61113	-0.31685	1.98437	0.00332	2.15324
## 777	1.09449	-0.48246	-1.22751	-0.31685	-2.21844	1.11406	-0.31776
## 778	-0.95197	0.48246	-0.05921	-0.31685	1.02119	-2.11437	-0.17779
## 779	0.49788	-0.48246	-0.05921	-0.31685	1.02119	-0.94779	-0.84732
## 780	-0.95197	-0.48246	-0.61113	0.11440	1.13281	-1.23177	0.29338
## 781	-0.95197	0.48246	-0.61113	-0.31685	0.82562	-0.43999	0.88309
## 782	-0.95197	0.48246	-0.61113	-0.31685	-0.24649	0.47617	0.88309

## 783	-0.95197	-0.48246	1.16365	-0.31685	1.37297	-0.80615	0.88309
## 784	-0.95197	-0.48246	-0.05921	-0.31685	-0.58016	0.00332	0.14143
## 785	0.49788	-0.48246	-0.05921	-0.31685	0.82562	-0.57545	0.14143
## 786	-0.95197	-0.48246	-0.05921	-0.31685	-1.69163	1.28610	-0.58331
## 787	-0.95197	-0.48246	-0.61113	-0.31685	-2.05048	0.16767	0.72330
## 788	-0.95197	-0.48246	0.45468	-0.31685	-0.14882	-0.43999	0.88309
## 789	-0.95197	-0.48246	-0.61113	-0.31685	0.62967	-0.15487	0.58331
## 790	-0.95197	-0.48246	-0.61113	-0.31685	0.82562	0.63779	0.29338
## 791	-0.07854	-0.48246	-0.61113	-0.31685	0.04257	2.12700	-0.31776
## 792	-0.07854	-0.48246	0.45468	-0.31685	-0.05188	-0.57545	1.24033
## 793	-0.95197	-0.48246	-0.61113	-0.31685	1.13281	-0.57545	-0.31776
## 794	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	-0.94779	-0.31776
## 795	-0.95197	0.48246	0.45468	-0.31685	-0.58016	0.80523	0.44585
## 796	-0.07854	0.48246	-0.61113	-0.31685	0.13606	1.11406	0.72330
## 797	0.49788	0.48246	-0.61113	-0.31685	1.23461	0.63779	1.43533
## 798	-0.95197	-0.48246	-0.61113	-0.31685	-1.19430	0.16767	-0.01928
## 799	-0.07854	-0.48246	-0.61113	-0.31685	0.52135	-0.43999	-0.17779
## 800	-0.95197	-0.48246	-1.22751	-0.31685	-0.46725	0.32197	0.14143
## 801	1.09449	0.48246	0.45468	-0.31685	0.13606	-0.94779	-0.97631
## 802	-0.07854	-0.48246	-0.61113	-0.31685	0.52135	-1.09207	-0.45174
## 803	-0.95197	0.48246	0.45468	-0.31685	1.98437	-1.50796	1.43533
## 804	-0.07854	-0.48246	-0.61113	-0.31685	-0.24649	0.16767	-0.31776
## 805	-0.95197	-0.48246	-1.43719	-0.31685	-0.34799	0.80523	0.72330
## 806	-0.95197	0.48246	-0.61113	-0.31685	1.02119	0.80523	1.06238
## 807	-0.95197	-0.48246	0.45468	-0.31685	0.41667	-1.92173	-0.97631
## 808	-0.95197	-0.48246	-0.05921	-0.31685	-1.69163	-0.80615	-1.27553
## 809	-0.95197	-0.48246	-1.22751	-0.31685	-1.69163	0.80523	1.06238
## 810	1.09449	0.48246	0.45468	-0.31685	1.23461	1.74091	0.88309
## 811	-0.95197	-0.48246	-0.61113	-0.31685	1.13281	-0.69509	-0.01928
## 812	-0.07854	-0.48246	0.45468	-0.31685	0.52135	-0.57545	0.72330
## 813	-0.95197	-0.48246	-0.61113	-0.31685	-0.67825	0.00332	-0.45174
## 814	-0.95197	-0.48246	-0.61113	-0.31685	2.46262	0.32197	0.29338
## 815	-0.95197	0.48246	-0.61113	-0.31685	0.13606	-0.94779	-0.01928
## 816	1.09449	-0.48246	1.98437	-0.31685	0.62967	0.16767	0.88309
## 817	-0.07854	0.48246	1.16365	-0.31685	1.60383	-0.80615	-0.01928
## 818	-0.95197	-0.48246	-0.61113	-0.50212	-0.67825	1.74091	0.72330
## 819	-0.95197	0.48246	0.45468	-0.31685	-0.34799	0.32197	-0.17779
## 820	-0.95197	-0.48246	-0.61113	-0.31685	-0.05188	1.11406	0.72330
## 821	-0.95197	-0.48246	-0.61113	-0.31685	-0.05188	0.16767	0.72330
## 822	-0.95197	-0.48246	-0.61113	1.90725	0.04257	-0.30033	-0.17779
## 823	-0.95197	-0.48246	0.45468	-0.31685	0.62967	-2.11437	-2.85950
## 824	-0.95197	-0.48246	0.45468	-0.31685	0.52135	0.63779	0.14143
## 825	-0.95197	-0.48246	-0.61113	-0.31685	0.13606	1.45421	1.24033
## 826	-0.95197	-0.48246	0.45468	-0.31685	-0.92104	0.47617	-0.01928
## 827	-0.07854	0.48246	1.98437	-0.31685	1.72012	0.47617	1.06238
## 828	-0.95197	-0.48246	-0.61113	-0.31685	0.13606	0.63779	1.88511
## 829	-0.95197	-0.48246	-0.05921	-0.31685	0.31287	-0.43999	-0.71727
## 830	-0.95197	-0.48246	-0.61113	-0.31685	0.91093	-0.80615	0.14143
## 831	-0.07854	0.48246	1.16365	-0.31685	0.13606	-0.94779	1.43533
## 832	1.09449	0.48246	1.98437	-0.31685	0.04257	0.16767	-0.01928
## 833	-0.07854	0.48246	1.16365	-0.31685	0.82562	-0.69509	-0.01928
## 834	-0.95197	-0.48246	0.45468	-0.31685	0.52135	-0.94779	-0.45174
## 835	-0.95197	-0.48246	0.45468	-0.31685	-1.69163	0.16767	-0.01928
## 836	1.09449	-0.48246	1.16365	-0.31685	-0.34799	0.32197	0.14143

## 837	-0.95197	-0.48246	-0.61113	-0.31685	-1.69163	1.74091	0.58331
## 838	-0.95197	-0.48246	-1.22751	-0.31685	0.73545	0.00332	2.15324
## 839	-0.07854	-0.48246	0.45468	-0.31685	0.22393	-1.37639	0.58331
## 840	-0.95197	-0.48246	-0.61113	-0.31685	-0.58016	-0.15487	0.88309
## 841	-0.95197	-0.48246	-0.61113	-0.31685	-0.67825	0.00332	0.29338
## 842	-0.07854	0.48246	-0.61113	-0.31685	0.52135	-0.43999	0.14143
## 843	-0.95197	0.48246	-0.61113	-0.31685	0.31287	0.80523	1.06238
## 844	0.49788	-0.48246	-0.61113	-0.31685	0.91093	-1.63340	-1.42424
## 845	-0.95197	0.48246	-0.05921	-0.31685	0.52135	-0.43999	-1.55521
## 846	-0.07854	-0.48246	0.45468	-0.31685	0.62967	-0.43999	0.29338
## 847	-0.95197	-0.48246	-1.22751	-0.31685	0.52135	0.63779	1.06238
## 848	1.82213	-0.48246	1.16365	-0.31685	-1.69163	0.00332	1.24033
## 849	-0.95197	-0.48246	1.16365	-0.31685	0.41667	-0.94779	0.44585
## 850	-0.95197	-0.48246	-0.61113	-0.31685	-0.79151	1.45421	1.43533
## 851	-0.07854	-0.48246	0.45468	-0.31685	0.73545	0.16767	-1.42424
## 852	-0.95197	-0.48246	-0.61113	-0.31685	0.04257	0.00332	1.43533
## 853	-0.95197	0.48246	-0.61113	-0.31685	-0.34799	0.16767	-0.01928
## 854	-0.95197	-0.48246	-1.73790	-0.22166	0.52135	0.80523	0.58331
## 855	-0.07854	-0.48246	-0.61113	-0.31685	-1.05308	0.47617	1.88511
## 856	-0.95197	-0.48246	-0.05921	0.12600	0.52135	1.28610	-0.17779
## 857	-0.07854	-0.48246	-1.43719	-0.31685	1.37297	-0.80615	-0.45174
## 858	-0.95197	-0.48246	-0.61113	-0.31685	-1.05308	2.32338	1.06238
## 859	-0.95197	0.48246	-0.61113	-0.50212	1.02119	-1.23177	1.06238
## 860	-0.07854	-0.48246	-0.61113	-0.31685	0.62967	0.80523	1.06238
## 861	-0.95197	-0.48246	0.45468	-0.31685	0.04257	-0.15487	-0.17779
## 862	-0.95197	-0.48246	-0.61113	-0.31685	-1.86962	1.28610	2.15324
## 863	-0.95197	-0.48246	-0.61113	-0.31685	1.60383	-0.57545	-0.17779
## 864	-0.95197	0.48246	-0.61113	-0.31685	-0.14882	1.11406	-0.58331
## 865	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	-1.09207	0.58331
## 866	-0.95197	0.48246	-0.61113	-0.31685	-0.05188	1.28610	1.43533
## 867	-0.95197	0.48246	-0.61113	-0.31685	-1.32828	0.32197	0.72330
## 868	1.09449	-0.48246	-0.05921	-0.31685	1.60383	-0.69509	0.88309
## 869	-0.07854	-0.48246	0.45468	-0.31685	0.91093	-0.80615	1.06238
## 870	-0.95197	-0.48246	1.16365	-0.31685	0.22393	1.58487	0.14143
## 871	-0.07854	0.48246	1.16365	-0.31685	-0.67825	-0.43999	-0.01928
## 872	-0.95197	0.48246	-0.61113	-0.31685	1.49158	-1.76250	0.14143
## 873	-0.07854	0.48246	1.16365	-0.31685	0.22393	-1.09207	-0.58331
## 874	-0.95197	0.48246	-0.61113	0.11440	0.73545	0.32197	1.43533
## 875	0.49788	-0.48246	-0.05921	0.11440	1.23461	-2.11437	0.72330
## 876	-0.07854	-0.48246	-0.61113	-0.31685	-0.92104	0.47617	0.72330
## 877	-0.95197	0.48246	0.45468	-0.31685	-0.58016	1.45421	0.88309
## 878	-0.07854	-0.48246	1.16365	-0.31685	1.23461	0.00332	-0.31776
## 879	-0.95197	0.48246	-2.43591	-0.31685	0.62967	-0.15487	0.88309
## 880	0.49788	-0.48246	-0.61113	-0.31685	1.60383	-1.09207	0.29338
## 881	-0.07854	0.48246	-0.61113	-0.31685	-1.19430	1.45421	1.24033
## 882	-0.95197	-0.48246	-0.61113	-0.31685	0.04257	1.28610	0.72330
## 883	-0.95197	-0.48246	-0.61113	0.11440	1.49158	0.00332	0.29338
## 884	-0.07854	-0.48246	-0.61113	-0.31685	1.02119	-2.72827	0.14143
## 885	-0.95197	-0.48246	0.45468	-0.31685	0.41667	-0.43999	0.14143
## 886	-0.95197	-0.48246	0.45468	-0.31685	-0.46725	2.57309	0.72330
## 887	-0.95197	0.48246	-0.61113	-0.31685	-1.05308	1.45421	1.65653
## 888	-0.95197	0.48246	-0.61113	-0.31685	0.41667	0.80523	1.24033
## 889	-0.95197	-0.48246	-0.61113	0.11440	0.13606	0.96248	1.06238
## 890	-0.07854	-0.48246	-0.61113	-0.31685	-1.55078	2.12700	0.88309

## 891	-0.07854	-0.48246	-0.61113	-0.31685	0.13606	-0.43999	-1.82919
## 892	-0.07854	-0.48246	-0.61113	-0.31685	1.02119	-1.50796	0.29338
## 893	-0.07854	0.48246	-1.43719	-0.31685	3.27393	-2.11437	-0.84732
## 894	-0.95197	-0.48246	-0.61113	-0.31685	-1.43907	-1.76250	-0.01928
## 895	-0.95197	0.48246	-0.05921	-0.31685	-1.86962	-0.30033	0.14143
## 896	-0.07854	-0.48246	1.16365	-0.31685	-0.79151	1.11406	-0.17779
## 897	-0.07854	-0.48246	0.45468	-0.31685	1.83990	-0.30033	-0.45174
## 898	-0.95197	0.48246	-0.61113	-0.31685	1.83990	-0.94779	-0.97631
## 899	-0.95197	-0.48246	0.45468	-0.31685	-2.52197	1.74091	-1.55521
## 900	-0.95197	-0.48246	-0.61113	-1.10702	0.04257	-0.94779	0.44585
## 901	-0.07854	0.48246	1.16365	-0.31685	0.22393	-0.69509	0.29338
## 902	-0.95197	-0.48246	-1.22751	-0.31685	-0.05188	0.96248	-0.01928
## 903	0.49788	0.48246	0.45468	-0.31685	1.02119	-0.30033	1.06238
## 904	-0.95197	-0.48246	-0.61113	-0.31685	1.37297	-0.15487	-0.17779
## 905	-0.07854	-0.48246	-0.05921	-0.31685	0.41667	0.32197	0.14143
## 906	0.49788	-0.48246	0.45468	-0.31685	-1.32828	0.32197	-0.71727
## 907	-0.95197	-0.48246	-0.61113	0.11440	-0.24649	0.00332	-0.31776
## 908	-0.95197	-0.48246	0.45468	-0.31685	0.13606	0.63779	-0.01928
## 909	-0.07854	0.48246	-0.61113	0.11440	1.37297	0.47617	1.06238
## 910	-0.95197	0.48246	-0.61113	-0.31685	2.12700	-2.72827	-1.97495
## 911	-0.95197	-0.48246	-0.61113	-0.31685	0.73545	-1.37639	-0.71727
## 912	0.49788	-0.48246	0.45468	-0.31685	0.31287	-1.50796	-1.68062
## 913	-0.95197	0.48246	-0.61113	-0.31685	-1.19430	2.32338	1.24033
## 914	-0.07854	0.48246	-1.43719	-0.31685	2.28554	-2.53830	-0.58331
## 915	-0.95197	-0.48246	-1.22751	-0.22166	0.22393	0.00332	-0.01928
## 916	-0.07854	-0.48246	-1.73790	-0.31685	0.41667	-0.15487	-0.17779
## 917	-0.95197	0.48246	-0.61113	-0.31685	1.72012	-1.63340	-0.17779
## 918	-0.95197	-0.48246	-1.22751	-0.31685	0.22393	1.45421	2.15324
## 919	0.49788	-0.48246	1.16365	-0.31685	-0.24649	-0.30033	-0.71727
## 920	-0.95197	-0.48246	-0.61113	-0.31685	-1.19430	0.47617	1.06238
## 921	-0.95197	-0.48246	-2.43591	-0.31685	0.13606	-0.30033	-0.01928
## 922	-0.95197	-0.48246	-0.61113	-0.31685	-1.19430	-1.37639	-0.71727
## 923	-0.07854	-0.48246	-1.22751	-0.31685	1.23461	-1.23177	-2.39883
## 924	-0.95197	-0.48246	-1.73790	-0.31685	1.02119	-1.50796	0.29338
## 925	-0.95197	-0.48246	-0.05921	-0.31685	-0.79151	1.28610	0.58331
## 926	-0.07854	-0.48246	-0.61113	-0.31685	0.22393	-1.23177	0.88309
## 927	-0.07854	-0.48246	-0.61113	-0.31685	-0.58016	1.45421	1.65653
## 928	-0.95197	0.48246	-0.61113	0.11440	-0.24649	0.96248	0.72330
## 929	0.49788	-0.48246	-1.73790	-0.31685	-0.67825	-0.69509	-0.58331
## 930	-0.07854	0.48246	0.45468	-0.31685	0.73545	-0.69509	1.24033
## 931	-0.95197	0.48246	-1.43719	-0.31685	1.13281	-1.92173	-0.01928
## 932	-0.95197	0.48246	0.45468	-0.31685	-0.24649	0.00332	1.06238
## 933	-0.95197	0.48246	-0.61113	-0.31685	-1.32828	1.11406	1.24033
## 934	-0.95197	0.48246	-0.61113	-0.31685	2.28554	-0.69509	0.29338
## 935	-0.95197	-0.48246	-0.05921	-0.31685	0.41667	1.28610	1.06238
## 936	-0.95197	-0.48246	-0.61113	-0.31685	-0.05188	0.32197	0.58331
## 937	-0.95197	0.48246	0.45468	-0.31685	0.31287	0.32197	-0.01928
## 938	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	-0.43999	1.06238
## 939	-0.07854	0.48246	-1.22751	-0.31685	0.91093	1.28610	1.06238
## 940	-0.07854	-0.48246	-0.05921	0.11440	-0.46725	2.32338	2.44904
## 941	-0.95197	0.48246	-0.61113	0.12600	1.60383	-0.80615	0.58331
## 942	-0.07854	0.48246	1.16365	-0.31685	1.02119	-0.30033	0.44585
## 943	-0.95197	0.48246	-0.61113	-0.31685	-0.34799	-1.09207	-0.58331
## 944	-0.95197	-0.48246	-1.22751	-0.31685	-0.67825	-0.30033	-1.11902

## 945	-0.07854	-0.48246	-0.05921	-0.31685	2.12700	-1.37639	0.14143
## 946	-0.07854	0.48246	-1.22751	-0.31685	0.41667	0.00332	-2.39883
## 947	0.49788	-0.48246	-0.05921	-0.31685	1.60383	-1.76250	-0.01928
## 948	-0.95197	0.48246	0.45468	-0.31685	0.62967	0.00332	0.44585
## 949	-0.95197	0.48246	-0.61113	-0.31685	-1.19430	0.32197	1.88511
## 950	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	0.16767	0.29338
## 951	-0.07854	0.48246	0.45468	-0.31685	1.02119	-0.94779	-0.01928
## 952	-0.95197	-0.48246	-0.61113	-0.31685	1.37297	-0.80615	-0.31776
## 953	-0.95197	-0.48246	-0.05921	-0.31685	1.83990	-0.57545	-0.01928
## 954	1.09449	-0.48246	0.45468	-0.31685	-1.19430	-0.57545	-0.58331
## 955	0.49788	-0.48246	-0.05921	-0.31685	-1.43907	-0.30033	0.14143
## 956	-0.95197	-0.48246	-0.61113	-0.31685	-0.24649	1.58487	-0.01928
## 957	-0.95197	0.48246	0.45468	-0.31685	0.04257	0.16767	1.43533
## 958	1.09449	0.48246	-0.61113	-0.31685	-0.05188	-0.69509	0.72330
## 959	-0.95197	-0.48246	-0.05921	-0.31685	0.31287	0.96248	1.06238
## 960	-0.07854	-0.48246	-0.61113	-0.31685	-0.34799	0.32197	1.88511
## 961	0.49788	-0.48246	-0.61113	-0.31685	0.62967	-1.92173	-0.01928
## 962	-0.95197	-0.48246	-0.61113	-0.31685	-0.92104	1.28610	-0.45174
## 963	-0.07854	0.48246	1.16365	-0.31685	-1.19430	0.00332	0.72330
## 964	-0.95197	-0.48246	1.16365	-0.31685	-0.92104	1.11406	-0.01928
## 965	-0.95197	0.48246	-0.61113	-0.31685	-0.58016	0.32197	0.58331
## 966	-0.95197	0.48246	-0.61113	-0.31685	-0.24649	0.16767	1.88511
## 967	-0.95197	-0.48246	-0.61113	-1.10702	-1.55078	1.28610	1.06238
## 968	1.82213	-0.48246	1.98437	0.11440	-1.86962	1.28610	0.58331
## 969	0.49788	0.48246	0.45468	-0.31685	0.22393	0.00332	-0.17779
## 970	-0.07854	-0.48246	-0.61113	-0.31685	0.41667	-1.63340	0.58331
## 971	-0.95197	-0.48246	-0.61113	-0.31685	1.49158	-1.23177	-1.11902
## 972	-0.95197	-0.48246	-0.61113	-0.31685	-1.86962	2.12700	1.24033
## 973	-0.95197	-0.48246	-0.61113	-0.31685	1.23461	0.00332	1.06238
## 974	2.59171	-0.48246	1.16365	-0.31685	-2.21844	0.00332	0.58331
## 975	-0.95197	-0.48246	-0.61113	-0.31685	-0.58016	1.11406	0.72330
## 976	0.49788	0.48246	1.16365	-0.31685	-0.58016	1.45421	-1.27553
## 977	1.09449	0.48246	-0.61113	-0.31685	1.23461	-1.09207	-0.45174
## 978	-0.07854	0.48246	1.98437	-0.50212	0.62967	0.16767	0.72330
## 979	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	-0.15487	0.14143
## 980	-0.95197	-0.48246	-0.61113	-0.31685	1.02119	1.11406	-1.11902
## 981	-0.07854	0.48246	0.45468	-0.31685	0.62967	-0.15487	1.88511
## 982	-0.95197	-0.48246	-0.61113	-0.31685	-0.14882	-0.15487	1.24033
## 983	-0.95197	-0.48246	-0.61113	-0.31685	-0.14882	0.32197	1.24033
## 984	-0.95197	-0.48246	-0.05921	-0.31685	0.73545	-0.80615	-0.71727
## 985	-0.07854	-0.48246	-0.61113	-0.31685	1.72012	0.63779	0.44585
## 986	-0.95197	-0.48246	-0.61113	-0.31685	1.02119	-1.50796	0.44585
## 987	-0.07854	-0.48246	0.45468	-0.31685	-0.79151	0.00332	0.14143
## 988	-0.95197	-0.48246	-0.61113	-0.31685	1.72012	-0.57545	1.65653
## 989	-0.95197	-0.48246	-0.61113	-0.31685	0.31287	1.74091	0.29338
## 990	1.82213	-0.48246	-0.05921	-0.31685	-0.79151	0.32197	0.58331
## 991	-0.07854	-0.48246	0.45468	-0.31685	-1.19430	0.80523	1.43533
## 992	-0.95197	-0.48246	-0.61113	-0.31685	0.52135	0.80523	0.72330
## 993	-0.95197	-0.48246	1.16365	-0.31685	-0.79151	-0.30033	-0.31776
## 994	-0.95197	-0.48246	1.16365	-0.31685	-0.79151	0.96248	-0.45174
## 995	-0.07854	-0.48246	1.16365	-0.31685	1.13281	-0.30033	0.88309
## 996	-0.07854	0.48246	1.98437	-0.31685	-1.05308	0.80523	-0.31776
## 997	-0.95197	-0.48246	-0.61113	-0.31685	-0.67825	0.47617	-0.17779
## 998	-0.95197	-0.48246	-1.73790	-0.31685	1.23461	-1.09207	-0.31776

```

## 999 -0.95197 -0.48246 -0.61113 -0.31685 -0.05188 0.96248 -1.27553
## 1000 1.09449 0.48246 -0.61113 -0.31685 -0.34799 0.16767 0.14143
## 1001 -0.95197 -0.48246 -0.61113 -0.31685 2.12700 -1.76250 -0.31776
## 1002 -0.95197 -0.48246 -1.22751 -0.31685 1.83990 -2.21069 -1.11902
## 1003 -0.95197 -0.48246 -1.22751 -0.22166 0.82562 -1.50796 -1.82919
## 1004 -0.95197 0.48246 -1.22751 -0.31685 1.83990 -0.94779 0.88309
## 1005 -0.95197 -0.48246 -0.61113 -0.31685 -0.05188 0.16767 1.65653
## 1006 1.09449 -0.48246 1.16365 -0.31685 0.62967 -1.23177 -0.58331
## 1007 -0.95197 0.48246 -1.22751 -0.31685 1.23461 0.96248 0.44585
## 1008 1.09449 -0.48246 0.45468 -0.31685 -0.67825 0.00332 -0.01928
## 1009 -0.95197 0.48246 -0.61113 -0.31685 -0.58016 1.45421 1.88511
## 1010 -0.07854 -0.48246 -0.61113 -0.31685 1.83990 -1.23177 0.44585
## 1011 -0.95197 -0.48246 -0.61113 -0.31685 0.62967 0.32197 0.14143
## 1012 -0.07854 -0.48246 -0.61113 -0.31685 -0.79151 2.12700 0.88309
## 1013 1.09449 -0.48246 0.45468 -0.31685 -1.19430 0.63779 2.44904
## 1014 -0.95197 -0.48246 -0.05921 -0.31685 -2.21844 2.57309 1.88511
## 1015 -0.07854 -0.48246 -0.61113 -0.31685 0.31287 -2.53830 -0.84732
## 1016 -0.95197 0.48246 -1.22751 -0.31685 -0.34799 -1.23177 -0.97631
## 1017 -0.07854 -0.48246 -1.22751 -0.31685 0.22393 1.58487 0.29338
## 1018 0.49788 0.48246 -0.61113 -0.31685 0.91093 -1.37639 -1.42424
## 1019 -0.95197 -0.48246 0.45468 -0.31685 0.13606 -0.94779 1.06238
## 1020 -0.95197 0.48246 -0.61113 -0.31685 2.12700 -2.72827 -1.11902
## 1021 -0.95197 -0.48246 -1.22751 -0.31685 1.37297 -0.15487 1.65653
## 1022 -0.95197 -0.48246 -0.61113 -0.31685 -0.67825 -0.30033 1.06238
## 1023 -0.95197 0.48246 -1.22751 0.11440 0.31287 -1.09207 0.44585
## 1024 -0.95197 0.48246 0.45468 -0.31685 -1.19430 -0.94779 -0.71727
## 1025 1.09449 -0.48246 1.98437 -0.31685 0.13606 0.32197 0.44585
## 1026 0.49788 0.48246 0.45468 -0.50212 0.62967 0.32197 -0.45174
## 1027 -0.95197 0.48246 1.16365 -0.31685 -0.34799 0.80523 0.58331
## 1028 -0.95197 0.48246 0.45468 -0.31685 0.52135 -0.94779 -0.84732
## 1029 -0.95197 -0.48246 -0.61113 -0.31685 -0.67825 0.32197 0.58331
## 1030 -0.07854 -0.48246 -0.61113 -0.31685 0.22393 -1.37639 -0.17779
## 1031 -0.95197 -0.48246 -0.61113 -0.31685 0.22393 -0.69509 0.14143
## 1032 -0.95197 0.48246 -0.61113 -0.31685 1.23461 -0.57545 0.44585
## 1033 -0.95197 -0.48246 -0.05921 -0.31685 0.52135 0.47617 1.88511
## 1034 -0.95197 0.48246 -0.61113 -0.31685 0.52135 0.80523 0.88309
## 1035 -0.07854 -0.48246 -0.61113 -0.31685 -2.05048 0.47617 0.58331
## 1036 0.49788 0.48246 1.16365 -0.31685 1.23461 -1.50796 -0.01928
## 1037 -0.95197 0.48246 -0.61113 -0.31685 0.22393 -0.80615 0.72330
## 1038 -0.95197 -0.48246 -0.61113 -0.31685 0.73545 -0.15487 0.58331
## 1039 0.49788 0.48246 1.16365 -0.31685 0.62967 -0.15487 -1.97495
## 1040 0.49788 -0.48246 0.45468 -0.31685 0.22393 -2.11437 -2.09015
## 1041 -0.07854 -0.48246 -0.61113 -0.31685 1.02119 -0.57545 0.14143
## 1042 -0.07854 0.48246 1.16365 -0.31685 0.91093 -0.43999 -1.42424
## 1043 -0.95197 -0.48246 -0.61113 -0.31685 0.73545 1.28610 1.43533
## 1044 -0.07854 0.48246 1.16365 -0.31685 1.37297 1.28610 1.88511
## 1045 -0.95197 -0.48246 -0.61113 -0.31685 1.23461 -1.23177 0.44585
## 1046 -0.95197 -0.48246 1.16365 -0.31685 -1.43907 2.57309 0.44585
## 1047 -0.95197 -0.48246 -0.05921 -0.31685 -1.19430 0.63779 -0.01928
## 1048 -0.95197 0.48246 -0.61113 -0.31685 1.02119 0.47617 1.43533
## 1049 -0.07854 -0.48246 1.98437 -0.31685 -1.55078 -0.15487 0.72330
## 1050 -0.95197 -0.48246 -0.61113 -0.31685 -0.67825 -0.43999 -0.97631
## 1051 -0.95197 -0.48246 -1.22751 -0.31685 1.23461 -0.57545 -1.55521
## 1052 -0.95197 0.48246 -0.61113 -0.31685 0.41667 -0.57545 0.44585

```

## 1053	-0.07854	-0.48246	-1.73790	-0.31685	-0.79151	1.28610	1.65653
## 1054	-0.07854	0.48246	-0.61113	-0.31685	0.22393	-0.15487	0.72330
## 1055	0.49788	0.48246	-1.22751	-0.31685	0.31287	-1.23177	-1.11902
## 1056	-0.95197	-0.48246	0.45468	-0.31685	0.73545	-1.09207	-1.27553
## 1057	-0.95197	-0.48246	-0.61113	-0.31685	-0.58016	-0.15487	0.72330
## 1058	1.09449	0.48246	1.16365	-0.31685	-0.58016	0.00332	1.65653
## 1059	-0.95197	0.48246	-1.22751	0.11440	-0.24649	0.63779	-1.42424
## 1060	-0.95197	0.48246	0.45468	1.90725	1.23461	1.93886	1.65653
## 1061	-0.07854	-0.48246	-0.61113	-0.31685	-1.69163	-0.15487	0.88309
## 1062	-0.07854	-0.48246	1.16365	0.11440	-0.67825	0.63779	1.65653
## 1063	-0.95197	-0.48246	-0.61113	-0.31685	-3.15735	0.47617	1.24033
## 1064	0.49788	0.48246	-1.43719	-0.31685	1.23461	-0.69509	0.58331
## 1065	0.49788	-0.48246	0.45468	-0.31685	-0.58016	-0.69509	-2.39883
## 1066	-0.95197	-0.48246	-1.22751	-0.31685	-1.69163	0.96248	-0.01928
## 1067	-0.07854	0.48246	1.98437	-0.31685	-0.92104	0.00332	1.06238
## 1068	-0.07854	0.48246	1.16365	-0.22166	-0.05188	-1.37639	-0.45174
## 1069	-0.95197	-0.48246	1.16365	-0.31685	0.41667	0.00332	0.29338
## 1070	-0.95197	-0.48246	-0.61113	-0.31685	-0.46725	-0.43999	1.06238
## 1071	-0.95197	0.48246	1.16365	-0.31685	1.60383	-1.50796	-0.17779
## 1072	0.49788	0.48246	1.98437	-0.31685	-0.67825	0.32197	-0.01928
## 1073	0.49788	-0.48246	-1.22751	-0.31685	0.31287	-0.69509	-0.45174
## 1074	-0.95197	-0.48246	-1.43719	-0.31685	-0.92104	-0.57545	0.72330
## 1075	0.49788	0.48246	-0.05921	-0.31685	0.41667	0.00332	-0.97631
## 1076	-0.07854	0.48246	0.45468	-0.31685	1.83990	-1.92173	1.88511
## 1077	1.09449	-0.48246	-0.05921	-0.31685	-1.55078	0.96248	-0.31776
## 1078	0.49788	0.48246	-0.05921	-0.31685	0.52135	-1.37639	-1.42424
## 1079	-0.07854	0.48246	1.16365	0.11440	0.31287	1.74091	-0.17779
## 1080	-0.95197	0.48246	1.16365	-0.31685	-1.19430	1.58487	0.29338
## 1081	-0.95197	-0.48246	1.16365	-0.31685	-0.24649	0.47617	-0.31776
## 1082	-0.95197	0.48246	1.16365	-0.31685	0.62967	1.11406	-0.84732
## 1083	-0.95197	0.48246	0.45468	-0.31685	-0.05188	-0.15487	0.44585
## 1084	-0.95197	0.48246	1.16365	-0.31685	-0.24649	0.47617	0.88309
## 1085	0.49788	-0.48246	-0.05921	-0.31685	-0.14882	-0.15487	0.58331
## 1086	-0.95197	0.48246	1.16365	-0.31685	-0.05188	0.96248	2.15324
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## 1089	-0.07854	0.48246	0.45468	-0.31685	-1.05308	1.45421	0.14143
## 1090	-0.95197	0.48246	1.16365	-0.31685	0.62967	1.45421	-0.17779
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## 1095	-0.07854	-0.48246	1.16365	-0.31685	1.13281	-1.09207	-0.84732
## 1096	-0.95197	-0.48246	-1.22751	-0.31685	-0.58016	-0.69509	1.65653
## 1097	-0.07854	-0.48246	-0.61113	-0.31685	-0.92104	0.00332	0.72330
## 1098	-0.95197	0.48246	-0.61113	-0.31685	0.04257	-0.43999	-0.01928
## 1099	-0.95197	0.48246	1.16365	-0.31685	-1.32828	1.28610	0.29338
## 1100	-0.95197	-0.48246	-0.61113	-0.31685	-0.58016	0.47617	-0.17779
## 1101	-0.95197	0.48246	0.45468	-0.31685	0.31287	-0.15487	-0.58331
## 1102	-0.95197	0.48246	1.16365	-0.31685	-0.79151	-0.15487	-0.17779
## 1103	-0.95197	0.48246	-1.22751	-0.31685	-1.05308	0.32197	1.88511
## 1104	-0.07854	-0.48246	-0.61113	-0.31685	-1.19430	-1.09207	0.72330
## 1105	-0.07854	0.48246	1.98437	-0.31685	-0.14882	-0.30033	-0.45174
## 1106	-0.07854	0.48246	-0.61113	-0.31685	1.98437	-0.30033	0.44585

##	1107	-0.95197	-0.48246	0.45468	-0.31685	1.13281	1.11406	1.06238
##	1108	-0.95197	-0.48246	-0.61113	-0.31685	-0.92104	1.74091	1.43533
##	1109	1.09449	-0.48246	-0.61113	-0.31685	2.46262	-1.50796	-1.82919
##	1110	-0.95197	0.48246	-0.61113	-0.31685	0.22393	-0.15487	-0.31776
##	1111	1.09449	-0.48246	1.98437	-0.31685	0.41667	-0.43999	0.58331
##	1112	-0.95197	-0.48246	-1.22751	-0.31685	-0.92104	-1.23177	-0.71727
##	1113	-0.95197	-0.48246	-0.61113	-0.31685	-3.46436	0.47617	-0.01928
##	1114	1.09449	-0.48246	-1.73790	-0.31685	0.52135	-0.57545	0.44585
##	1115	-0.95197	-0.48246	-0.61113	0.11440	0.91093	0.00332	1.24033
##	1116	-0.95197	-0.48246	-0.61113	-0.31685	1.60383	-1.23177	-0.17779
##	1117	-0.07854	0.48246	0.45468	-0.31685	-1.69163	2.57309	2.90161
##	1118	-0.95197	-0.48246	-0.61113	-0.31685	1.02119	-0.43999	-0.01928
##	1119	-0.07854	-0.48246	0.45468	-0.31685	-1.05308	1.28610	0.44585
##	1120	-0.07854	-0.48246	-0.61113	-0.31685	-0.34799	-2.44904	-1.27553
##	1121	-0.95197	-0.48246	-1.73790	-0.31685	-0.05188	-1.92173	1.65653
##	1122	-0.07854	-0.48246	-0.05921	-0.31685	0.73545	-0.94779	-1.11902
##	1123	-0.07854	-0.48246	-1.22751	-0.31685	-1.05308	0.00332	-2.39883
##	1124	-0.07854	-0.48246	-0.05921	-0.31685	1.37297	-1.37639	-0.45174
##	1125	1.82213	-0.48246	-1.43719	-0.31685	0.52135	-0.43999	-0.58331
##	1126	-0.95197	-0.48246	-0.61113	-0.31685	1.37297	-0.94779	0.72330
##	1127	-0.95197	-0.48246	-0.61113	-0.31685	1.02119	-2.03972	-0.71727
##	1128	-0.95197	-0.48246	-0.61113	-0.31685	-1.55078	-1.23177	0.88309
##	1129	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	0.16767	-0.17779
##	1130	-0.07854	0.48246	-0.05921	-0.31685	2.28554	0.80523	0.72330
##	1131	-0.07854	-0.48246	1.16365	-0.31685	0.62967	-0.69509	0.14143
##	1132	0.49788	-0.48246	-0.05921	-0.31685	-1.32828	0.16767	1.65653
##	1133	-0.95197	-0.48246	1.16365	-0.31685	0.41667	1.28610	-1.11902
##	1134	-0.95197	-0.48246	-1.22751	-0.31685	1.37297	0.63779	-0.31776
##	1135	-0.07854	0.48246	1.98437	-0.31685	-0.05188	0.32197	-0.84732
##	1136	-0.07854	0.48246	0.45468	-0.31685	0.31287	-1.92173	-0.01928
##	1137	-0.07854	-0.48246	-0.61113	-0.31685	0.52135	-1.23177	0.44585
##	1138	-0.95197	0.48246	-0.61113	-0.31685	-0.92104	0.47617	0.14143
##	1139	-0.07854	0.48246	0.45468	-0.31685	1.60383	-1.63340	0.72330
##	1140	0.49788	-0.48246	-0.05921	-0.31685	0.41667	-1.23177	0.14143
##	1141	-0.95197	0.48246	-0.61113	-0.31685	1.98437	-1.92173	1.24033
##	1142	1.09449	-0.48246	0.45468	-0.31685	0.22393	-1.09207	-0.71727
##	1143	-0.95197	-0.48246	-0.61113	-0.31685	1.60383	-0.80615	-0.71727
##	1144	-0.07854	-0.48246	1.16365	-0.31685	0.22393	-0.69509	0.29338
##	1145	-0.07854	-0.48246	0.45468	-0.31685	-2.75696	-0.43999	-1.11902
##	1146	0.49788	-0.48246	-0.05921	-0.31685	1.83990	-0.94779	0.14143
##	1147	-0.95197	-0.48246	-0.61113	-0.31685	0.13606	0.16767	0.14143
##	1148	1.09449	0.48246	-1.22751	-0.31685	-0.58016	0.63779	-0.31776
##	1149	-0.07854	-0.48246	-0.61113	-0.31685	1.23461	-0.43999	0.58331
##	1150	0.49788	0.48246	0.45468	-0.31685	1.72012	-1.76250	-0.58331
##	1151	1.82213	0.48246	1.16365	0.11440	0.31287	-0.69509	-0.71727
##	1152	-0.95197	-0.48246	-1.22751	-0.31685	0.52135	-0.80615	-0.17779
##	1153	-0.95197	0.48246	1.16365	-0.31685	0.41667	0.16767	0.29338
##	1154	-0.95197	-0.48246	1.98437	-0.31685	-0.92104	1.74091	1.65653
##	1155	-0.95197	0.48246	-0.61113	-0.31685	0.22393	-0.15487	-0.31776
##	1156	-0.95197	-0.48246	-0.61113	-0.31685	0.62967	1.93886	1.88511
##	1157	1.09449	-0.48246	-0.05921	-0.31685	-0.46725	0.00332	-0.31776
##	1158	-0.07854	0.48246	0.45468	-0.31685	0.62967	-0.15487	0.14143
##	1159	-0.95197	-0.48246	-1.43719	0.11440	0.82562	-1.09207	-1.42424
##	1160	-0.95197	-0.48246	-0.61113	-0.31685	0.04257	-0.15487	1.65653

## 1161	-0.07854	0.48246	1.98437	-0.31685	-0.14882	-0.94779	0.29338
## 1162	-0.07854	-0.48246	-1.43719	-0.31685	-0.34799	0.32197	-0.01928
## 1163	-0.07854	-0.48246	-0.61113	-0.31685	0.82562	-1.09207	0.44585
## 1164	0.49788	-0.48246	0.45468	-0.31685	-0.34799	-0.57545	0.88309
## 1165	-0.07854	-0.48246	0.45468	-0.31685	0.52135	-0.94779	1.06238
## 1166	-0.95197	-0.48246	-1.22751	-0.31685	0.82562	-0.30033	1.43533
## 1167	1.09449	-0.48246	-0.05921	-0.31685	0.41667	-0.15487	-0.17779
## 1168	0.49788	0.48246	0.45468	-0.31685	-1.19430	1.28610	1.43533
## 1169	0.49788	-0.48246	-0.61113	-0.31685	0.13606	-0.57545	-0.01928
## 1170	-0.95197	-0.48246	-0.61113	-0.31685	-0.24649	0.16767	-0.97631
## 1171	-0.95197	0.48246	-0.61113	-0.31685	0.41667	0.16767	1.43533
## 1172	-0.95197	-0.48246	-0.61113	0.11440	0.04257	-0.80615	0.88309
## 1173	-0.07854	-0.48246	1.16365	-0.31685	0.31287	-0.80615	-0.01928
## 1174	-0.95197	-0.48246	-0.61113	0.11440	-1.43907	0.00332	-0.84732
## 1175	-0.95197	-0.48246	-0.61113	-0.31685	0.82562	-0.15487	-0.01928
## 1176	-0.07854	0.48246	-0.61113	-0.31685	-0.46725	0.32197	0.14143
## 1177	-0.07854	0.48246	1.16365	-0.31685	2.12700	0.47617	1.88511
## 1178	-0.95197	-0.48246	-0.61113	-0.31685	-0.79151	-0.30033	-0.58331
## 1179	-0.95197	-0.48246	-0.61113	-0.31685	-0.14882	-1.63340	0.29338
## 1180	-0.07854	-0.48246	-0.61113	-0.31685	1.72012	-0.43999	-0.58331
## 1181	-0.07854	0.48246	-0.05921	-0.31685	0.41667	-0.43999	-0.58331
## 1182	-0.95197	-0.48246	0.45468	-0.31685	-0.46725	1.11406	0.88309
## 1183	1.09449	-0.48246	-1.73790	-0.31685	-0.14882	-1.23177	-0.17779
## 1184	-0.95197	-0.48246	-0.61113	-0.31685	0.82562	-0.30033	0.58331
## 1185	-0.95197	-0.48246	-0.61113	-0.31685	-1.05308	0.63779	0.29338
## 1186	-0.07854	0.48246	0.45468	-0.31685	1.23461	-0.30033	0.88309
## 1187	1.82213	0.48246	1.98437	-0.31685	-0.34799	0.47617	0.44585
## 1188	-0.95197	-0.48246	-0.61113	-0.31685	-1.19430	1.45421	0.44585
## 1189	-0.95197	-0.48246	1.16365	-0.31685	-2.21844	0.32197	0.72330
## 1190	-0.95197	0.48246	-0.61113	-0.31685	0.62967	0.63779	0.44585
## 1191	-0.95197	-0.48246	-1.22751	-0.31685	1.60383	-1.50796	0.44585
## 1192	-0.95197	-0.48246	-0.61113	-0.31685	-2.75696	1.11406	1.06238
## 1193	0.49788	-0.48246	0.45468	-0.31685	0.31287	0.16767	0.72330
## 1194	-0.95197	-0.48246	-0.61113	-0.31685	0.91093	-0.43999	-0.01928
## 1195	-0.95197	-0.48246	-0.61113	-0.31685	0.52135	-0.30033	-0.58331
## 1196	-0.07854	-0.48246	0.45468	-0.31685	-0.92104	-0.30033	-0.17779
## 1197	-0.07854	-0.48246	-1.73790	-0.31685	-0.34799	-2.44904	-0.71727
## 1198	-0.95197	-0.48246	-0.61113	-0.31685	2.12700	-2.72827	-1.27553
## 1199	-0.07854	0.48246	0.45468	-0.31685	0.13606	-1.63340	0.44585
## 1200	-0.95197	-0.48246	-0.61113	-0.31685	0.31287	0.96248	1.88511
## 1201	-0.95197	-0.48246	-0.61113	-0.31685	-0.67825	0.80523	0.29338
## 1202	-0.95197	-0.48246	-1.22751	0.12600	0.41667	0.47617	-0.31776
## 1203	-0.07854	-0.48246	-0.61113	-0.31685	0.82562	-1.37639	0.44585
## 1204	-0.95197	0.48246	-1.22751	-0.31685	-1.05308	-0.57545	-0.01928
## 1205	1.09449	-0.48246	0.45468	-0.31685	-0.46725	1.58487	1.43533
## 1206	-0.95197	-0.48246	-0.05921	0.11440	0.13606	0.00332	0.72330
## 1207	-0.95197	-0.48246	-0.61113	-0.22166	-1.55078	-0.94779	0.58331
## 1208	1.09449	-0.48246	0.45468	-0.31685	-1.05308	0.63779	-0.45174
## 1209	-0.95197	-0.48246	-0.61113	-0.31685	-1.43907	1.11406	0.58331
## 1210	-0.95197	-0.48246	-0.61113	-0.31685	-0.24649	-1.09207	0.29338
## 1211	-0.95197	0.48246	-0.61113	-0.31685	0.91093	0.16767	0.58331
## 1212	-0.95197	-0.48246	-0.61113	-0.31685	-0.24649	0.16767	0.58331
## 1213	0.49788	0.48246	-0.05921	-0.31685	0.73545	0.47617	-1.42424
## 1214	-0.07854	-0.48246	-0.05921	-0.31685	1.23461	-0.57545	0.88309

##	1215	-0.95197	-0.48246	-0.05921	-0.31685	-0.14882	1.45421	1.43533
##	1216	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	0.63779	-0.31776
##	1217	-0.07854	0.48246	1.16365	-0.31685	0.31287	1.28610	-0.17779
##	1218	-0.95197	0.48246	-0.61113	-0.31685	-1.32828	0.16767	0.72330
##	1219	-0.95197	0.48246	-0.05921	-0.31685	1.02119	0.96248	0.29338
##	1220	-0.95197	0.48246	-1.22751	-0.31685	1.02119	-0.30033	0.14143
##	1221	-0.95197	-0.48246	-0.61113	-0.31685	-0.24649	0.63779	0.29338
##	1222	-0.07854	-0.48246	1.98437	-0.31685	-0.46725	-2.32338	-2.21069
##	1223	-0.95197	0.48246	-0.61113	-0.31685	0.91093	-0.30033	-0.01928
##	1224	-0.95197	-0.48246	0.45468	-0.31685	0.62967	1.45421	0.58331
##	1225	-0.07854	0.48246	0.45468	-0.31685	0.52135	0.63779	1.24033
##	1226	0.49788	-0.48246	-1.73790	-0.31685	1.13281	-0.57545	0.14143
##	1227	-0.95197	-0.48246	-0.61113	-0.22166	-1.05308	1.93886	1.24033
##	1228	-0.95197	0.48246	-1.22751	-0.31685	0.13606	0.16767	1.06238
##	1229	-0.95197	0.48246	0.45468	0.11440	1.02119	-1.23177	1.06238
##	1230	-0.95197	0.48246	-0.61113	-0.31685	1.60383	-0.43999	0.44585
##	1231	-0.95197	-0.48246	0.45468	-0.31685	0.73545	-0.43999	0.58331
##	1232	-0.95197	-0.48246	-0.61113	-0.31685	0.04257	-1.09207	-0.01928
##	1233	1.82213	-0.48246	1.16365	-0.31685	0.13606	0.63779	0.58331
##	1234	1.09449	0.48246	1.16365	-0.31685	-1.69163	0.80523	1.24033
##	1235	-0.95197	-0.48246	0.45468	-0.31685	0.04257	0.80523	0.88309
##	1236	-0.07854	-0.48246	-1.22751	-0.31685	0.31287	0.32197	0.88309
##	1237	-0.95197	0.48246	0.45468	-0.31685	-0.05188	0.16767	0.44585
##	1238	1.09449	0.48246	-0.61113	-0.31685	0.41667	0.00332	0.29338
##	1239	0.49788	0.48246	0.45468	-0.31685	1.02119	-1.37639	-0.45174
##	1240	-0.07854	0.48246	0.45468	-0.31685	-1.32828	0.80523	-1.27553
##	1241	1.09449	0.48246	0.45468	-0.31685	-0.92104	-1.92173	-1.42424
##	1242	-0.07854	0.48246	0.45468	-0.31685	0.52135	0.00332	-0.97631
##	1243	1.09449	0.48246	0.45468	-0.31685	-1.32828	1.74091	-0.01928
##	1244	1.09449	0.48246	-0.05921	-0.31685	-1.32828	-0.30033	-2.21069
##	1245	1.82213	-0.48246	0.45468	-0.31685	0.13606	-0.57545	-0.84732
##	1246	1.09449	0.48246	-0.05921	-0.31685	-0.58016	-0.30033	-0.31776
##	1247	1.09449	0.48246	1.16365	-0.31685	-0.46725	-0.15487	1.43533
##	1248	0.49788	0.48246	1.16365	-0.31685	-0.92104	-0.15487	0.44585
##	1249	1.09449	0.48246	1.98437	0.12600	0.73545	-0.15487	1.24033
##	1250	0.49788	0.48246	-1.43719	-0.31685	0.31287	-1.63340	-1.97495
##	1251	0.49788	0.48246	0.45468	-0.31685	-0.34799	-1.23177	-1.97495
##	1252	-0.07854	0.48246	0.45468	0.11440	0.04257	-0.80615	-0.31776
##	1253	1.09449	0.48246	0.45468	-0.31685	1.37297	-0.69509	0.29338
##	1254	0.49788	0.48246	0.45468	-0.31685	-1.05308	-0.57545	-0.01928
##	1255	-0.07854	0.48246	1.16365	-0.31685	1.49158	-1.23177	-0.71727
##	1256	-0.07854	0.48246	1.98437	-0.31685	-0.92104	0.80523	-0.58331
##	1257	1.09449	0.48246	1.16365	-0.31685	-0.34799	-0.80615	-0.45174
##	1258	1.09449	0.48246	0.45468	-0.31685	-0.67825	0.32197	-0.31776
##	1259	-0.07854	0.48246	-0.61113	-0.31685	1.49158	-0.57545	1.06238
##	1260	-0.07854	0.48246	-0.05921	-0.31685	0.31287	0.96248	-0.97631
##	1261	1.09449	0.48246	0.45468	-0.31685	0.04257	-0.15487	-0.71727
##	1262	-0.07854	0.48246	-0.05921	-0.31685	-0.34799	-0.80615	-1.11902
##	1263	0.49788	0.48246	-1.73790	-0.31685	-0.79151	0.00332	-1.11902
##	1264	-0.07854	0.48246	1.16365	-0.31685	1.83990	-0.94779	-0.31776
##	1265	0.49788	0.48246	-0.05921	-0.31685	0.13606	-1.09207	-0.45174
##	1266	0.49788	0.48246	0.45468	-0.31685	0.41667	0.00332	-1.11902
##	1267	-0.07854	0.48246	1.16365	-0.31685	-0.05188	-0.43999	-0.45174
##	1268	-0.07854	0.48246	-0.05921	-0.31685	-1.32828	-0.15487	-1.11902

##	1269	1.82213	0.48246	0.45468	-0.31685	-0.14882	-0.15487	0.14143
##	1270	0.49788	0.48246	-0.61113	-0.31685	1.72012	-0.94779	-1.82919
##	1271	0.49788	-0.48246	1.98437	-0.31685	1.72012	-0.15487	0.88309
##	1272	0.49788	0.48246	1.16365	-0.31685	-1.05308	0.16767	0.44585
##	1273	1.09449	0.48246	-0.05921	-0.31685	-1.69163	-0.69509	-1.68062
##	1274	-0.95197	-0.48246	-0.61113	-0.31685	-0.46725	1.11406	0.58331
##	1275	-0.07854	0.48246	-0.61113	0.12600	-0.05188	1.45421	2.15324
##	1276	0.49788	0.48246	-0.05921	-0.31685	-1.19430	-0.30033	0.72330
##	1277	-0.95197	0.48246	0.45468	-0.50212	0.62967	0.16767	-1.11902
##	1278	-0.95197	-0.48246	0.45468	-0.50212	0.82562	0.63779	-0.84732
##	1279	-0.95197	-0.48246	-0.61113	-0.31685	-1.32828	1.74091	0.29338
##	1280	-0.95197	0.48246	-0.61113	0.11440	-1.43907	0.00332	0.14143
##	1281	-0.95197	0.48246	-0.61113	-0.31685	0.82562	-2.03972	0.44585
##	1282	-0.95197	-0.48246	-0.61113	-0.31685	1.98437	-0.94779	-0.01928
##	1283	-0.95197	-0.48246	-0.61113	-0.22166	-1.86962	1.93886	2.90161
##	1284	-0.95197	-0.48246	-0.61113	-0.31685	0.73545	0.47617	-0.71727
##	1285	0.49788	0.48246	0.45468	-0.31685	-0.58016	0.47617	2.15324
##	1286	-0.95197	0.48246	-0.61113	-0.31685	-0.05188	0.96248	-0.01928
##	1287	-0.95197	-0.48246	1.16365	-0.31685	-0.46725	0.32197	0.88309
##	1288	-0.95197	-0.48246	-0.61113	0.11440	1.13281	-1.63340	-0.01928
##	1289	-0.07854	-0.48246	-0.05921	-0.31685	-0.24649	0.80523	0.29338
##	1290	-0.07854	-0.48246	-0.61113	-0.31685	1.83990	-1.09207	0.44585
##	1291	-0.07854	0.48246	1.16365	-0.31685	0.73545	2.12700	1.24033
##	1292	-0.95197	0.48246	-0.61113	-0.31685	1.83990	-2.21069	0.72330
##	1293	-0.95197	-0.48246	-0.61113	-0.31685	0.04257	-0.57545	1.24033
##	1294	-0.95197	0.48246	-0.61113	-0.31685	-0.34799	0.47617	-0.17779
##	1295	-0.95197	-0.48246	-0.61113	0.11440	-0.34799	0.00332	0.58331
##	1296	0.49788	0.48246	0.45468	-0.31685	-2.05048	0.47617	0.58331
##	1297	-0.07854	-0.48246	-0.61113	-0.31685	0.91093	-0.15487	1.65653
##	1298	0.49788	0.48246	-0.61113	-0.31685	-0.58016	-0.94779	1.43533
##	1299	-0.95197	0.48246	-0.61113	-0.31685	0.22393	1.28610	0.14143
##	1300	-0.95197	-0.48246	0.45468	-0.31685	-0.67825	1.45421	1.43533
##	1301	0.49788	-0.48246	0.45468	-0.31685	-0.05188	-0.57545	-0.97631
##	1302	-0.95197	0.48246	-0.61113	-0.31685	-0.46725	0.80523	1.65653
##	1303	-0.95197	-0.48246	-0.61113	-0.31685	2.61139	-2.32338	1.06238
##	1304	-0.07854	-0.48246	-0.61113	-0.31685	-0.34799	0.63779	1.88511
##	1305	-0.07854	-0.48246	1.16365	-0.31685	-0.92104	-1.23177	-0.17779
##	1306	-0.07854	0.48246	0.45468	0.11440	-0.34799	0.47617	0.14143
##	1307	-0.07854	0.48246	1.16365	-0.31685	-1.43907	2.85950	0.72330
##	1308	-0.95197	-0.48246	-1.73790	-0.31685	0.52135	-0.80615	-0.97631
##	1309	-0.95197	0.48246	-0.61113	-0.31685	-0.24649	0.32197	0.29338
##	1310	0.49788	0.48246	1.16365	-0.31685	-1.05308	1.93886	0.88309
##	1311	-0.95197	0.48246	-0.61113	-0.31685	-1.32828	2.32338	-2.39883
##	1312	0.49788	-0.48246	0.45468	-0.31685	-0.92104	0.96248	0.58331
##	1313	-0.95197	-0.48246	0.45468	-0.31685	-1.86962	1.11406	0.72330
##	1314	-0.07854	-0.48246	-0.05921	-0.31685	-0.92104	-0.15487	0.72330
##	1315	-0.07854	0.48246	0.45468	-0.31685	0.04257	0.80523	-1.68062
##	1316	-0.95197	0.48246	-0.61113	-0.50212	0.41667	-1.23177	-0.45174
##	1317	0.49788	-0.48246	0.45468	-0.31685	-0.67825	-0.30033	-0.31776
##	1318	-0.95197	-0.48246	-0.61113	-0.31685	0.82562	0.96248	-0.17779
##	1319	-0.95197	0.48246	-0.61113	0.11440	-0.46725	0.80523	2.15324
##	1320	-0.95197	0.48246	0.45468	-0.31685	0.22393	0.32197	2.44904
##	1321	0.49788	-0.48246	-0.61113	-0.31685	1.02119	-1.37639	-0.17779
##	1322	-0.95197	0.48246	-0.61113	-0.31685	0.41667	-0.57545	1.06238

##	1323	-0.95197	-0.48246	-0.05921	-0.31685	0.62967	-1.92173	0.29338
##	1324	-0.95197	-0.48246	-0.05921	-0.31685	-0.92104	0.32197	1.43533
##	1325	-0.95197	-0.48246	-0.61113	-0.31685	-1.32828	-0.30033	0.14143
##	1326	-0.95197	0.48246	0.45468	-0.31685	-0.67825	0.80523	1.06238
##	1327	-0.07854	0.48246	0.45468	-0.31685	1.83990	-0.80615	1.24033
##	1328	-0.95197	-0.48246	0.45468	0.12600	1.49158	-0.15487	-0.01928
##	1329	0.49788	-0.48246	0.45468	-0.31685	1.23461	-1.09207	0.88309
##	1330	-0.95197	0.48246	-0.05921	-0.31685	1.83990	-1.37639	-1.82919
##	1331	-0.95197	-0.48246	0.45468	-0.31685	0.41667	-0.30033	0.44585
##	1332	-0.07854	-0.48246	-0.61113	-0.31685	-2.52197	0.32197	0.72330
##	1333	1.09449	-0.48246	0.45468	-0.31685	1.23461	-1.23177	0.44585
##	1334	-0.95197	0.48246	0.45468	-0.31685	0.04257	1.58487	-0.71727
##	1335	-0.95197	0.48246	0.45468	-1.10702	0.13606	0.00332	-0.45174
##	1336	0.49788	-0.48246	-0.05921	-0.31685	0.13606	0.47617	0.29338
##	1337	-0.95197	-0.48246	-0.05921	-0.31685	1.72012	-1.92173	-0.31776
##	1338	-0.95197	-0.48246	-1.22751	0.11440	-0.58016	3.27393	2.15324
##	1339	0.49788	-0.48246	-1.22751	-1.10702	0.73545	-1.37639	-0.97631
##	1340	0.49788	0.48246	1.98437	-0.31685	-0.34799	-0.43999	1.24033
##	1341	-0.95197	-0.48246	-0.05921	-0.31685	0.22393	0.63779	-1.82919
##	1342	-0.95197	-0.48246	-1.22751	-0.31685	1.37297	-1.23177	-1.11902
##	1343	-0.95197	-0.48246	-1.22751	-0.31685	0.82562	1.11406	1.65653
##	1344	1.09449	-0.48246	-0.61113	-0.31685	0.82562	-0.15487	0.44585
##	1345	-0.95197	-0.48246	0.45468	-0.31685	0.73545	-1.76250	0.88309
##	1346	-0.95197	0.48246	-1.22751	-0.31685	1.13281	-0.94779	-0.31776
##	1347	-0.95197	0.48246	-0.61113	-0.31685	-1.05308	2.57309	0.29338
##	1348	-0.95197	0.48246	-0.61113	-0.31685	-2.05048	-0.94779	0.14143
##	1349	-0.95197	0.48246	0.45468	-0.31685	0.41667	-0.57545	-0.97631
##	1350	1.82213	-0.48246	0.45468	-0.31685	1.72012	-2.11437	-1.11902
##	1351	-0.95197	0.48246	-1.22751	-0.31685	-0.58016	0.63779	1.24033
##	1352	-0.95197	-0.48246	-0.61113	-0.31685	1.02119	-0.94779	1.43533
##	1353	-0.95197	-0.48246	0.45468	-0.31685	-0.14882	0.32197	0.58331
##	1354	-0.07854	-0.48246	-0.61113	-0.31685	-1.69163	0.63779	0.58331
##	1355	-0.95197	-0.48246	-0.05921	-0.31685	0.41667	0.16767	-0.31776
##	1356	-0.95197	-0.48246	-0.61113	-0.31685	-1.43907	-0.43999	0.88309
##	1357	-0.95197	-0.48246	-0.61113	-0.31685	-0.46725	-1.63340	0.44585
##	1358	-0.95197	0.48246	-0.61113	-0.31685	0.52135	0.96248	1.65653
##	1359	-0.95197	0.48246	-0.61113	-0.31685	-1.05308	0.80523	1.65653
##	1360	-0.95197	-0.48246	-0.61113	-0.31685	0.82562	-1.09207	0.58331
##	1361	-0.07854	0.48246	1.16365	-0.31685	0.31287	-0.57545	0.14143
##	1362	-0.95197	-0.48246	-0.61113	-0.31685	0.82562	0.63779	-0.84732
##	1363	0.49788	0.48246	0.45468	-0.31685	-0.05188	-0.94779	0.29338
##	1364	-0.95197	0.48246	-1.73790	-0.31685	0.13606	-0.30033	-0.01928
##	1365	-0.95197	-0.48246	-1.22751	-0.31685	0.22393	-1.76250	0.44585
##	1366	-0.95197	0.48246	-0.61113	-0.31685	1.49158	0.63779	1.06238
##	1367	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	1.58487	1.06238
##	1368	-0.07854	0.48246	-0.05921	-0.31685	2.46262	0.16767	0.14143
##	1369	-0.07854	0.48246	1.16365	-0.31685	-0.58016	-0.43999	-1.55521
##	1370	-0.95197	-0.48246	-0.61113	-0.31685	1.23461	0.16767	0.58331
##	1371	-0.07854	-0.48246	0.45468	-0.31685	1.13281	0.16767	-0.31776
##	1372	1.09449	-0.48246	0.45468	0.11440	-0.58016	-0.57545	-0.01928
##	1373	-0.95197	-0.48246	-1.22751	-0.31685	-1.05308	1.74091	0.29338
##	1374	0.49788	-0.48246	0.45468	-0.31685	1.49158	-0.57545	0.88309
##	1375	-0.07854	0.48246	1.16365	-0.31685	0.62967	0.32197	-0.45174
##	1376	-0.07854	0.48246	1.16365	0.12600	1.49158	-0.94779	0.72330

##	1377	-0.95197	-0.48246	-0.61113	-0.31685	-0.58016	0.47617	1.65653
##	1378	-0.07854	0.48246	0.45468	-0.31685	-1.19430	0.80523	-0.97631
##	1379	-0.95197	-0.48246	-0.61113	-0.31685	-1.05308	0.47617	1.06238
##	1380	-0.95197	-0.48246	-0.61113	-0.31685	-1.32828	-0.30033	0.88309
##	1381	-0.95197	0.48246	0.45468	-0.31685	-0.67825	0.32197	0.44585
##	1382	-0.95197	-0.48246	-0.61113	-0.31685	-1.55078	1.28610	1.43533
##	1383	-0.95197	0.48246	-0.61113	-0.31685	-0.24649	-0.43999	-0.31776
##	1384	1.09449	0.48246	-0.61113	-0.31685	-0.05188	-0.94779	1.06238
##	1385	-0.07854	0.48246	1.98437	-0.31685	0.52135	0.32197	1.65653
##	1386	0.49788	0.48246	-0.05921	-0.31685	0.62967	0.47617	0.44585
##	1387	-0.95197	-0.48246	-0.61113	-0.31685	-0.14882	0.47617	0.88309
##	1388	-0.95197	-0.48246	0.45468	-0.31685	0.82562	0.32197	-0.58331
##	1389	-0.95197	-0.48246	-0.61113	0.12600	-0.46725	2.12700	1.88511
##	1390	1.09449	-0.48246	-0.05921	-0.31685	-0.34799	0.16767	-0.71727
##	1391	-0.07854	0.48246	1.16365	-0.31685	1.37297	0.32197	-0.17779
##	1392	-0.07854	0.48246	1.16365	-0.31685	0.73545	0.00332	0.14143
##	1393	-0.07854	0.48246	0.45468	-0.31685	0.41667	-0.15487	-0.01928
##	1394	-0.07854	0.48246	1.16365	-0.31685	1.72012	-0.43999	-1.27553
##	1395	-0.95197	0.48246	0.45468	-0.31685	-0.58016	0.47617	0.88309
##	1396	-0.95197	-0.48246	-0.61113	-0.31685	-0.79151	1.11406	-0.01928
##	1397	-0.07854	0.48246	0.45468	-0.31685	0.82562	-0.80615	-0.58331
##	1398	-0.07854	0.48246	1.16365	-0.31685	1.02119	0.96248	-0.97631
##	1399	-0.07854	0.48246	0.45468	-0.31685	0.62967	0.16767	0.14143
##	1400	-0.07854	0.48246	0.45468	-0.31685	0.91093	0.00332	0.88309
##	1401	-0.07854	0.48246	0.45468	-0.31685	0.41667	0.00332	-1.11902
##	1402	-0.95197	0.48246	0.45468	-0.31685	-2.42317	0.16767	-1.82919
##	1403	-0.07854	0.48246	1.98437	-0.22166	1.60383	1.28610	0.58331
##	1404	-0.07854	0.48246	0.45468	-0.31685	0.22393	-0.57545	-1.55521
##	1405	-0.07854	0.48246	1.16365	-0.31685	-0.79151	0.80523	1.24033
##	1406	-0.07854	-0.48246	1.16365	-0.31685	1.37297	-1.23177	-0.58331
##	1407	-0.07854	0.48246	1.98437	-0.31685	-2.21844	-0.94779	-0.71727
##	1408	-0.07854	0.48246	0.45468	-0.31685	-0.58016	-0.43999	0.58331
##	1409	-0.07854	0.48246	0.45468	-0.31685	0.41667	-0.30033	1.43533
##	1410	-0.07854	0.48246	1.16365	-0.31685	1.02119	0.80523	1.24033
##	1411	-0.07854	0.48246	0.45468	-0.31685	1.02119	-0.69509	-0.31776
##	1412	-0.07854	0.48246	1.98437	-0.31685	-0.34799	2.32338	1.43533
##	1413	-0.95197	-0.48246	-1.73790	-0.31685	1.83990	-1.37639	-0.17779
##	1414	-0.95197	-0.48246	-0.61113	-0.31685	-1.19430	-1.09207	-0.84732
##	1415	-0.95197	0.48246	0.45468	-0.50212	0.91093	-0.69509	-0.71727
##	1416	-0.07854	0.48246	1.16365	-0.31685	-0.14882	-0.30033	-1.27553
##	1417	-0.95197	-0.48246	-0.61113	-0.31685	-0.34799	0.80523	1.43533
##	1418	-0.07854	-0.48246	-0.61113	-0.31685	0.82562	-0.43999	0.58331
##	1419	-0.07854	-0.48246	-0.61113	-0.31685	-0.14882	0.47617	0.72330
##	1420	1.09449	-0.48246	-2.43591	-0.31685	-0.05188	-0.94779	-0.01928
##	1421	-0.95197	-0.48246	0.45468	-0.31685	-0.79151	1.74091	1.65653
##	1422	-0.07854	-0.48246	-0.61113	-0.31685	0.62967	-0.57545	-0.31776
##	1423	-0.07854	0.48246	0.45468	-0.31685	-0.24649	0.63779	1.24033
##	1424	0.49788	-0.48246	-0.05921	-1.10702	0.31287	0.32197	-0.17779
##	1425	-0.95197	0.48246	-0.05921	0.11440	0.04257	0.00332	-0.17779
##	1426	-0.95197	-0.48246	-0.61113	-0.31685	-0.92104	1.74091	0.58331
##	1427	-0.95197	0.48246	-0.61113	-0.31685	0.73545	-0.30033	-0.71727
##	1428	-0.95197	-0.48246	-0.61113	-0.31685	-0.24649	1.45421	1.43533
##	1429	-0.95197	0.48246	-0.61113	-0.31685	1.23461	1.11406	-0.58331
##	1430	1.09449	0.48246	1.98437	-0.31685	-1.05308	-1.23177	-0.71727

##	1431	-0.07854	0.48246	1.16365	-0.22166	0.31287	-0.94779	-0.58331
##	1432	-0.07854	0.48246	1.16365	-0.31685	0.41667	-1.37639	-1.11902
##	1433	1.82213	0.48246	1.16365	-0.31685	-0.79151	0.00332	0.14143
##	1434	1.82213	0.48246	-0.05921	-0.31685	-0.79151	-0.57545	0.29338
##	1435	-0.95197	-0.48246	-1.73790	-0.31685	1.23461	-0.43999	0.29338
##	1436	-0.95197	-0.48246	-0.61113	-0.31685	-1.86962	1.11406	0.72330
##	1437	-0.95197	-0.48246	-0.61113	-0.31685	-0.67825	0.63779	-0.01928
##	1438	0.49788	0.48246	1.16365	-0.31685	-0.14882	0.00332	-0.84732
##	1439	1.09449	0.48246	1.16365	-0.31685	-1.19430	-0.15487	0.14143
##	1440	-0.07854	0.48246	1.16365	-0.31685	1.02119	-0.94779	-0.71727
##	1441	0.49788	0.48246	1.98437	-0.31685	-0.46725	0.96248	0.72330
##	1442	0.49788	0.48246	1.16365	-0.31685	-0.67825	-0.43999	-1.11902
##	1443	1.09449	0.48246	1.16365	-0.31685	-1.43907	0.16767	0.29338
##	1444	-0.07854	0.48246	1.16365	-0.31685	-0.67825	0.96248	0.29338
##	1445	-0.07854	0.48246	1.16365	-0.31685	0.04257	0.63779	-1.11902
##	1446	-0.07854	0.48246	0.45468	-1.10702	-1.19430	1.45421	0.58331
##	1447	-0.95197	0.48246	1.16365	-0.50212	-0.58016	0.16767	-0.84732
##	1448	-0.07854	0.48246	1.16365	-0.31685	-1.05308	1.11406	0.88309
##	1449	-0.07854	0.48246	1.98437	-0.31685	-1.05308	-0.57545	-0.01928
##	1450	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	-0.43999	2.15324
##	1451	-0.95197	0.48246	0.45468	-0.31685	0.31287	0.16767	-1.55521
##	1452	-0.07854	0.48246	1.98437	-0.31685	-0.46725	0.00332	-0.17779
##	1453	-0.95197	-0.48246	-0.05921	-0.31685	0.73545	-0.69509	1.43533
##	1454	1.09449	0.48246	1.16365	-0.31685	-2.05048	0.63779	0.14143
##	1455	-0.07854	0.48246	1.98437	-0.31685	0.52135	-1.09207	-0.45174
##	1456	-0.07854	0.48246	0.45468	-0.31685	-1.32828	-0.57545	-0.17779
##	1457	-0.95197	0.48246	0.45468	-0.31685	-0.92104	0.80523	-0.01928
##	1458	0.49788	0.48246	1.98437	-0.31685	-2.05048	1.58487	0.14143
##	1459	1.82213	-0.48246	1.16365	-0.31685	0.13606	0.63779	0.88309
##	1460	-0.07854	-0.48246	1.16365	-0.31685	0.13606	0.16767	-0.45174
##	1461	-0.95197	-0.48246	-0.61113	-0.31685	-1.19430	0.80523	0.88309
##	1462	-0.07854	-0.48246	1.16365	-0.31685	-2.75696	1.28610	-0.58331
##	1463	-0.07854	0.48246	-0.61113	1.90725	0.73545	-0.57545	-0.31776
##	1464	-0.95197	0.48246	0.45468	-0.31685	-0.58016	0.32197	0.72330
##	1465	1.82213	0.48246	0.45468	-0.31685	-1.86962	0.80523	0.88309
##	1466	-0.07854	0.48246	1.16365	-0.31685	-0.14882	-0.80615	-1.27553
##	1467	-0.95197	0.48246	0.45468	-0.31685	0.31287	0.00332	-0.01928
##	1468	2.59171	-0.48246	0.45468	-0.31685	-1.86962	-0.15487	-0.58331
##	1469	1.82213	-0.48246	1.16365	-0.31685	-0.79151	-0.30033	0.29338
##	1470	-0.95197	-0.48246	-0.61113	-0.31685	-0.14882	0.47617	-0.17779
##	1471	-0.07854	0.48246	1.16365	-0.31685	-0.24649	0.32197	0.88309
##	1472	1.09449	-0.48246	-0.61113	0.11440	1.02119	-0.69509	-0.84732
##	1473	-0.07854	0.48246	-0.61113	-0.31685	2.46262	-1.92173	-0.58331
##	1474	-0.07854	-0.48246	-0.05921	-0.31685	-0.34799	-0.43999	-0.17779
##	1475	-0.95197	-0.48246	-0.61113	-0.31685	0.41667	-0.69509	-0.01928
##	1476	-0.95197	-0.48246	-0.61113	-0.31685	-0.92104	1.45421	1.65653
##	1477	0.49788	0.48246	-0.05921	-0.31685	-0.05188	-0.57545	-2.09015
##	1478	-0.07854	0.48246	-0.61113	0.11440	1.37297	0.32197	0.72330
##	1479	1.09449	0.48246	0.45468	-0.31685	1.60383	-2.32338	0.14143
##	1480	1.09449	0.48246	1.98437	-0.31685	-0.92104	0.00332	0.14143
##	1481	-0.07854	0.48246	0.45468	-0.31685	-0.24649	0.47617	0.72330
##	1482	0.49788	-0.48246	-0.05921	-0.31685	0.52135	-1.09207	-0.45174
##	1483	-0.07854	0.48246	1.98437	-0.31685	-1.05308	1.45421	-0.84732
##	1484	-0.95197	-0.48246	-0.61113	-0.31685	-1.19430	1.11406	1.24033

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## 1485 -0.07854 0.48246 0.45468 -0.31685 -0.05188 -0.30033 -1.27553
## 1486 -0.95197 -0.48246 0.45468 -0.31685 0.73545 0.00332 -0.17779
## 1487 -0.07854 0.48246 -0.61113 -0.31685 -0.46725 -0.43999 -0.17779
## 1488 -0.07854 0.48246 1.98437 -0.31685 1.37297 -0.69509 -0.58331
## 1489 -0.95197 0.48246 1.16365 -0.31685 -0.05188 1.11406 -1.42424
## 1490 -0.95197 -0.48246 -0.61113 -0.31685 1.49158 -0.57545 -0.71727
## 1491 1.09449 -0.48246 -0.61113 -0.31685 -0.14882 -0.30033 0.58331
## 1492 -0.95197 -0.48246 -0.61113 -0.31685 2.12700 -0.94779 -0.45174
## 1493 -0.95197 -0.48246 -0.61113 -0.31685 0.91093 -3.27393 -0.45174
## 1494 -0.95197 -0.48246 -0.61113 -0.31685 -0.79151 -0.94779 -0.01928
## 1495 -0.07854 -0.48246 1.16365 -0.31685 -1.19430 0.16767 0.29338
## 1496 1.09449 0.48246 -2.43591 -0.31685 0.62967 -0.15487 -0.45174
## 1497 1.09449 -0.48246 0.45468 -0.31685 -1.05308 0.96248 0.44585
## 1498 -0.07854 -0.48246 1.98437 0.11440 -0.34799 0.47617 -0.01928
## 1499 -0.95197 0.48246 -0.61113 -0.31685 0.62967 0.16767 0.58331
## 1500 -0.95197 -0.48246 0.45468 -0.31685 0.41667 -1.92173 0.88309
## 1501 -0.07854 -0.48246 0.45468 -0.31685 -0.46725 0.47617 1.43533
## 1502 -0.95197 0.48246 0.45468 0.12600 -0.46725 0.00332 -0.31776
## 1503 0.49788 0.48246 -0.05921 -0.31685 1.72012 -2.72827 0.29338
## 1504 1.09449 0.48246 1.98437 -0.31685 0.04257 1.58487 1.06238
## 1505 -0.95197 0.48246 -1.73790 -0.31685 2.82196 -2.44904 1.06238
## 1506 -0.95197 0.48246 0.45468 -0.31685 1.02119 -0.69509 0.88309
## 1507 -0.07854 0.48246 -0.05921 -0.31685 0.73545 -1.23177 0.72330
## 1508 -0.07854 -0.48246 -0.61113 -0.31685 0.91093 -2.11437 -0.17779
## 1509 -0.95197 -0.48246 0.45468 -0.31685 0.73545 -0.80615 1.65653
## 1510 -0.95197 -0.48246 -2.43591 -0.31685 2.28554 -0.69509 0.29338
## 1511 -0.95197 -0.48246 -0.61113 0.12600 -0.14882 -0.57545 -0.84732
## 1512 -0.07854 -0.48246 -1.22751 -0.31685 1.23461 -2.32338 0.29338
## 1513 -0.95197 -0.48246 -0.61113 -0.31685 1.02119 -0.43999 -0.01928
## 1514 -0.95197 -0.48246 -1.22751 -0.31685 -0.79151 1.93886 1.65653
## 1515 1.09449 -0.48246 1.98437 -0.31685 0.62967 -1.37639 1.43533
## 1516 -0.95197 -0.48246 -0.05921 -0.31685 0.04257 -1.63340 1.88511
## 1517 -0.95197 -0.48246 -0.61113 -0.31685 -0.24649 -0.80615 -1.27553
## 1518 -0.95197 -0.48246 -0.61113 -0.31685 1.37297 -0.30033 -0.17779
## 1519 -0.95197 -0.48246 -0.05921 -0.31685 1.37297 -1.63340 1.06238
## 1520 -0.07854 -0.48246 -0.05921 -0.31685 -0.05188 -2.72827 1.24033
## 1521 -0.95197 -0.48246 -0.61113 -0.31685 0.82562 2.12700 1.88511
## 1522 -0.95197 -0.48246 -1.22751 -0.31685 1.60383 -2.21069 1.24033
## 1523 -0.95197 -0.48246 -1.73790 -0.31685 0.82562 1.28610 0.29338
## 1524 -0.95197 -0.48246 -1.22751 -0.31685 0.52135 1.28610 1.24033
## 1525 -0.95197 -0.48246 -0.61113 -0.31685 0.91093 0.00332 1.06238
## 1526 -0.95197 0.48246 0.45468 -0.31685 -1.86962 1.93886 0.58331
## 1527 -0.95197 -0.48246 -0.61113 -0.31685 -1.55078 0.96248 1.65653
## 1528 -0.95197 -0.48246 -2.43591 -0.31685 -1.19430 -0.94779 1.06238
## 1529 -0.07854 0.48246 0.45468 0.11440 -0.14882 0.96248 1.24033
## 1530 -0.95197 -0.48246 -0.61113 -0.31685 1.02119 -1.76250 0.58331
## 1531 -0.95197 -0.48246 -0.61113 0.11440 -0.92104 1.28610 -0.45174
## 1532 -0.07854 -0.48246 -1.22751 -0.31685 0.04257 0.32197 -0.97631
## 1533 0.49788 0.48246 -0.61113 -0.31685 0.31287 0.00332 -0.84732
## 1534 -0.95197 0.48246 -0.61113 0.11440 -0.46725 0.80523 0.29338
## 1535 -0.95197 0.48246 -0.61113 -0.31685 0.13606 -0.94779 -1.11902
## 1536 -0.95197 0.48246 -0.61113 0.11440 0.04257 1.74091 -0.58331
## 1537 -0.95197 -0.48246 -0.61113 -0.31685 1.13281 -0.69509 0.88309
## 1538 -0.95197 0.48246 -0.61113 -0.31685 0.62967 -0.15487 1.88511

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## 1539 -0.95197 -0.48246 -0.61113 -0.31685 -1.55078 1.28610 -0.97631
## 1540 -0.07854 -0.48246 -0.61113 -0.31685 0.82562 -3.00537 0.29338
## 1541 -0.95197 -0.48246 -0.61113 -0.31685 -0.14882 -0.43999 -0.71727
## 1542 -0.95197 -0.48246 -0.61113 -0.31685 0.82562 0.80523 0.88309
## 1543 -0.95197 0.48246 -0.61113 -0.31685 1.02119 -0.94779 0.88309
## 1544 -0.95197 -0.48246 -1.22751 0.11440 -0.24649 -1.92173 0.29338
## 1545 -0.95197 0.48246 -0.61113 -0.31685 1.49158 0.16767 0.88309
## 1546 -0.07854 -0.48246 0.45468 -0.31685 -1.19430 -0.57545 -1.68062
## 1547 -0.07854 0.48246 1.16365 -0.31685 -0.67825 -0.94779 0.58331
## 1548 -0.07854 0.48246 -0.05921 -0.31685 -0.46725 0.00332 -1.11902
## 1549 1.82213 0.48246 -0.05921 -0.31685 0.41667 -1.50796 -1.82919
## 1550 1.09449 0.48246 -0.61113 -0.31685 -0.14882 -0.94779 -1.27553
## 1551 1.09449 0.48246 -0.05921 -0.31685 -0.58016 -0.57545 -1.27553
## 1552 -0.95197 -0.48246 -0.61113 -0.31685 -0.05188 -2.32338 -0.84732
## 1553 -0.07854 -0.48246 1.16365 -0.31685 -1.55078 1.11406 -0.01928
## 1554 -0.95197 0.48246 1.16365 -0.31685 0.31287 0.80523 -0.97631
## 1555 -0.07854 0.48246 -0.61113 -0.31685 -1.32828 1.58487 -0.58331
## 1556 1.82213 0.48246 0.45468 -0.31685 -1.86962 1.58487 0.44585
## 1557 -0.95197 0.48246 0.45468 -0.22166 -0.92104 -0.15487 -0.84732
## 1558 -0.07854 0.48246 1.16365 -0.50212 0.73545 0.16767 -0.71727
## 1559 0.49788 0.48246 0.45468 -0.31685 0.62967 -1.50796 -0.31776
## 1560 1.09449 0.48246 -2.43591 -0.31685 0.22393 -0.30033 -1.27553
## 1561 0.49788 -0.48246 -0.05921 -0.31685 0.73545 -1.50796 -0.84732
## 1562 0.49788 0.48246 0.45468 -0.31685 -0.05188 1.74091 -2.85950
## 1563 1.09449 0.48246 -0.05921 -0.31685 -0.46725 -0.30033 -1.42424
## 1564 0.49788 0.48246 -0.05921 -0.31685 0.82562 0.80523 0.29338
## 1565 1.09449 0.48246 -0.05921 -0.31685 2.46262 -2.53830 -0.31776
## 1566 0.49788 -0.48246 1.16365 -0.31685 -1.55078 0.80523 1.24033
## 1567 -0.07854 -0.48246 0.45468 -0.31685 -0.05188 0.47617 -1.11902
## 1568 -0.07854 0.48246 1.16365 -0.31685 -1.05308 1.28610 -0.45174
## 1569 1.09449 -0.48246 -0.05921 -0.31685 -0.79151 -0.43999 -0.01928
## 1570 -0.95197 0.48246 -0.61113 -0.31685 -0.58016 -0.30033 -0.84732
## 1571 -0.07854 0.48246 1.16365 -0.31685 0.31287 0.00332 -0.31776
## 1572 1.09449 0.48246 -0.05921 -0.31685 1.02119 0.32197 0.72330
## 1573 0.49788 0.48246 0.45468 -0.31685 -0.05188 0.96248 -1.11902
## 1574 0.49788 0.48246 -0.61113 -0.31685 -0.24649 0.16767 -1.82919
## 1575 -0.07854 0.48246 1.16365 -0.31685 -0.24649 0.80523 -0.58331
## 1576 1.09449 0.48246 0.45468 -0.31685 -1.05308 -0.15487 -1.11902
## 1577 1.09449 0.48246 1.16365 -0.31685 0.41667 -0.43999 1.43533
## 1578 0.49788 0.48246 -1.73790 -0.31685 -0.46725 0.16767 -0.45174
## 1579 1.09449 0.48246 -0.05921 -0.31685 0.62967 -1.50796 -2.39883
## 1580 0.49788 0.48246 1.16365 -0.31685 -0.24649 -0.15487 -1.27553
## 1581 0.49788 -0.48246 -0.05921 -0.31685 0.31287 -1.23177 -0.01928
## 1582 0.49788 0.48246 1.16365 -0.31685 0.73545 2.32338 0.14143
## 1583 -0.07854 0.48246 0.45468 -0.31685 0.13606 1.11406 0.14143
## 1584 0.49788 0.48246 0.45468 -0.31685 0.04257 -0.15487 0.88309
## 1585 0.49788 0.48246 -0.05921 -0.31685 -0.34799 0.80523 -1.68062
## 1586 0.49788 -0.48246 -1.73790 -0.31685 -1.32828 2.12700 -0.58331
## 1587 0.49788 -0.48246 -0.05921 -0.31685 -2.05048 1.45421 -0.01928
## 1588 0.49788 0.48246 0.45468 -0.31685 0.82562 -0.69509 -0.84732
## 1589 1.09449 0.48246 -0.05921 -0.31685 -2.05048 0.80523 -0.97631
## 1590 1.09449 0.48246 0.45468 -0.31685 -0.79151 1.93886 -0.45174
## 1591 0.49788 0.48246 1.98437 -0.31685 0.04257 0.80523 0.29338
## 1592 -0.07854 0.48246 0.45468 -0.31685 -0.24649 1.11406 -0.45174

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## 1593	-0.07854	0.48246	0.45468	-0.31685	-0.58016	1.74091	0.88309
## 1594	1.82213	0.48246	-0.61113	-0.31685	-0.05188	0.63779	0.14143
## 1595	0.49788	0.48246	0.45468	-0.31685	-0.67825	0.32197	-0.97631
## 1596	-0.07854	0.48246	1.16365	-0.31685	-0.79151	1.28610	-1.82919
## 1597	-0.07854	0.48246	-0.05921	-0.31685	-1.19430	1.11406	-1.42424
## 1598	-0.07854	0.48246	-0.05921	-0.31685	-0.67825	0.96248	-1.11902
## 1599	-0.07854	-0.48246	1.16365	-0.31685	0.13606	0.63779	0.14143
## 1600	1.82213	0.48246	1.16365	-0.31685	0.31287	0.47617	1.06238
## 1601	-0.07854	0.48246	0.45468	-0.31685	-0.05188	2.85950	1.88511
## 1602	1.09449	-0.48246	-1.73790	-0.31685	-0.34799	1.93886	-0.01928
## 1603	-0.07854	0.48246	0.45468	-0.50212	-0.24649	2.12700	-2.21069
## 1604	0.49788	0.48246	-0.05921	-0.31685	-1.55078	1.45421	0.44585
## 1605	0.49788	0.48246	1.16365	-0.31685	-0.79151	0.32197	-0.01928
## 1606	-0.07854	-0.48246	-0.61113	-0.31685	-0.24649	-1.09207	2.44904
## 1607	-0.07854	0.48246	0.45468	-0.31685	-0.14882	-1.09207	-1.68062
## 1608	1.09449	0.48246	0.45468	-0.31685	0.22393	0.63779	-0.97631
## 1609	-0.07854	0.48246	0.45468	-0.31685	-0.34799	-0.43999	-1.42424
## 1610	0.49788	0.48246	0.45468	-0.22166	0.13606	1.28610	-0.97631
## 1611	-0.07854	-0.48246	-0.61113	-0.31685	-2.52197	2.32338	0.29338
## 1612	0.49788	0.48246	1.98437	-0.31685	-1.19430	0.47617	1.24033
## 1613	1.82213	-0.48246	-0.05921	-0.31685	0.62967	-1.50796	-1.55521
## 1614	-0.07854	-0.48246	1.16365	-0.31685	0.52135	0.00332	0.72330
## 1615	1.09449	-0.48246	-0.05921	-0.31685	0.31287	0.16767	-1.11902
## 1616	-0.07854	-0.48246	-0.61113	-0.31685	0.31287	-0.30033	1.06238
## 1617	1.09449	-0.48246	-0.05921	-0.31685	0.13606	0.00332	-0.45174
## 1618	-0.07854	-0.48246	0.45468	-1.10702	1.37297	-0.30033	-0.97631
## 1619	0.49788	-0.48246	-0.05921	-0.31685	-1.55078	-0.15487	0.58331
## 1620	0.49788	-0.48246	0.45468	-0.31685	0.52135	-0.80615	-1.27553
## 1621	1.09449	-0.48246	1.16365	-0.31685	0.13606	-0.69509	-0.17779
## 1622	0.49788	-0.48246	-0.61113	-0.31685	-0.79151	0.47617	-0.01928
## 1623	0.49788	0.48246	-0.05921	-0.31685	-0.79151	0.32197	-1.27553
## 1624	-0.07854	0.48246	-0.05921	-0.31685	-1.43907	0.63779	-1.42424
## 1625	-0.07854	0.48246	1.16365	-0.31685	-1.86962	1.28610	-1.27553
## 1626	-0.07854	0.48246	1.16365	-0.31685	0.62967	0.00332	-0.01928
## 1627	1.09449	0.48246	-0.05921	-0.31685	0.13606	-0.15487	-0.84732
## 1628	0.49788	0.48246	0.45468	-0.31685	-0.14882	0.47617	0.88309
## 1629	0.49788	0.48246	-0.05921	-0.31685	-2.21844	0.47617	-0.17779
## 1630	0.49788	-0.48246	-0.05921	-0.31685	1.60383	0.16767	-0.45174
## 1631	1.09449	0.48246	-0.05921	-1.10702	-0.34799	0.32197	-0.84732
## 1632	-0.95197	0.48246	-1.22751	-0.31685	0.04257	-1.37639	-1.27553
## 1633	1.82213	-0.48246	-2.43591	-0.31685	-1.43907	0.00332	-1.68062
## 1634	1.09449	0.48246	-0.05921	-0.31685	0.04257	0.63779	-1.68062
## 1635	-0.95197	-0.48246	-0.61113	-0.31685	1.83990	-1.23177	0.14143
## 1636	1.09449	0.48246	-1.73790	-0.31685	0.22393	-0.57545	-0.71727
## 1637	1.09449	0.48246	-0.05921	-0.31685	-0.05188	0.16767	-0.97631
## 1638	0.49788	0.48246	-0.05921	-0.31685	0.31287	0.63779	-0.58331
## 1639	1.09449	0.48246	-0.05921	-0.31685	1.02119	0.00332	-0.17779
## 1640	-0.07854	0.48246	1.16365	-0.31685	-1.69163	0.47617	-1.42424
## 1641	1.09449	0.48246	-0.05921	-0.31685	0.04257	-0.80615	-0.01928
## 1642	-0.07854	0.48246	1.16365	-0.31685	-0.67825	-0.15487	-0.71727
## 1643	1.09449	-0.48246	-1.73790	-0.31685	0.04257	1.11406	-0.31776
## 1644	0.49788	-0.48246	-0.05921	-0.31685	0.04257	-0.94779	0.14143
## 1645	0.49788	-0.48246	-0.05921	-0.31685	0.82562	-0.80615	-0.58331
## 1646	-0.07854	0.48246	1.16365	-0.31685	-0.67825	0.47617	-0.17779

##	1647	-0.07854	0.48246	0.45468	-0.31685	-0.14882	-0.30033	-0.84732
##	1648	-0.07854	0.48246	0.45468	-0.31685	0.04257	1.58487	1.24033
##	1649	1.82213	-0.48246	-0.61113	-0.31685	-1.69163	-1.23177	-0.84732
##	1650	-0.95197	-0.48246	0.45468	-0.31685	0.22393	-1.23177	0.29338
##	1651	-0.07854	0.48246	1.98437	-0.31685	-0.79151	0.96248	-0.31776
##	1652	1.82213	-0.48246	-1.73790	-0.31685	0.31287	-0.30033	-0.71727
##	1653	0.49788	0.48246	0.45468	-0.31685	-0.79151	1.11406	-1.82919
##	1654	-0.95197	0.48246	0.45468	-0.31685	1.72012	-1.23177	-0.71727
##	1655	-0.07854	-0.48246	-0.61113	-0.31685	-1.69163	0.16767	-0.31776
##	1656	-0.95197	-0.48246	-0.05921	-0.31685	-0.14882	0.80523	2.44904
##	1657	1.09449	0.48246	0.45468	-0.31685	-2.21844	0.63779	0.29338
##	1658	0.49788	0.48246	-0.05921	-0.31685	1.60383	0.16767	2.15324
##	1659	-0.95197	0.48246	-2.43591	-0.31685	-0.67825	-0.15487	-0.31776
##	1660	-0.07854	-0.48246	-0.05921	-0.31685	-0.67825	1.11406	-0.01928
##	1661	-0.07854	0.48246	-0.61113	-0.31685	-1.05308	0.00332	-0.31776
##	1662	-0.07854	0.48246	1.98437	-0.31685	0.04257	0.47617	0.44585
##	1663	-0.07854	0.48246	0.45468	-0.31685	-0.58016	0.47617	-0.71727
##	1664	-0.95197	-0.48246	-0.61113	-0.31685	0.04257	0.96248	1.65653
##	1665	-0.07854	0.48246	1.98437	-0.31685	0.13606	-0.43999	-1.55521
##	1666	0.49788	-0.48246	-0.05921	-0.31685	0.62967	-1.09207	-0.84732
##	1667	0.49788	0.48246	0.45468	-0.31685	-1.19430	-0.57545	-0.71727
##	1668	1.09449	-0.48246	0.45468	-0.31685	0.62967	-0.80615	-1.82919
##	1669	1.82213	-0.48246	0.45468	-0.31685	0.62967	-0.43999	1.24033
##	1670	-0.07854	0.48246	0.45468	-0.31685	-0.58016	0.16767	-0.58331
##	1671	-0.07854	-0.48246	-0.05921	-0.31685	-1.05308	0.47617	0.88309
##	1672	1.09449	-0.48246	-0.05921	-0.31685	-0.46725	0.16767	-1.42424
##	1673	0.49788	-0.48246	-0.05921	-0.31685	-0.79151	1.11406	-2.09015
##	1674	-0.07854	0.48246	0.45468	-0.31685	2.28554	-2.11437	-0.97631
##	1675	-0.95197	0.48246	-0.61113	-0.31685	1.37297	0.00332	-0.01928
##	1676	1.09449	0.48246	-0.05921	-0.31685	-0.24649	0.80523	-1.68062
##	1677	-0.95197	0.48246	0.45468	-0.31685	0.13606	0.63779	-0.01928
##	1678	-0.95197	0.48246	0.45468	-0.31685	-0.05188	1.28610	-0.71727
##	1679	1.09449	0.48246	-0.61113	-0.31685	-0.24649	1.58487	-0.84732
##	1680	1.09449	-0.48246	-0.05921	-0.31685	-0.46725	0.47617	-1.11902
##	1681	-0.95197	-0.48246	-0.61113	-1.10702	0.13606	-1.63340	-0.01928
##	1682	-0.07854	-0.48246	0.45468	-0.31685	0.52135	-2.21069	0.44585
##	1683	-0.95197	0.48246	-0.61113	-1.10702	1.37297	-2.03972	0.88309
##	1684	0.49788	0.48246	-0.05921	-0.31685	-1.05308	0.63779	-0.45174
##	1685	-0.07854	0.48246	-0.05921	-0.31685	1.49158	-2.32338	-1.11902
##	1686	-0.07854	0.48246	1.16365	-0.31685	0.13606	0.96248	1.65653
##	1687	0.49788	-0.48246	-0.61113	-0.31685	1.02119	-1.50796	-0.84732
##	1688	-0.07854	-0.48246	-0.61113	-0.31685	1.98437	-1.76250	0.14143
##	1689	-0.07854	0.48246	1.98437	-0.31685	-1.43907	0.80523	-0.01928
##	1690	-0.07854	0.48246	0.45468	-0.31685	0.73545	-0.30033	-0.31776
##	1691	-0.07854	0.48246	0.45468	-0.31685	-0.46725	0.80523	-0.97631
##	1692	1.09449	-0.48246	1.16365	-0.31685	-0.92104	-0.30033	-0.01928
##	1693	0.49788	-0.48246	-0.05921	-0.31685	-0.46725	0.63779	-0.17779
##	1694	-0.95197	-0.48246	-0.61113	-0.31685	0.13606	-1.76250	-0.45174
##	1695	1.82213	-0.48246	1.98437	-0.31685	-1.19430	0.00332	0.72330
##	1696	1.09449	0.48246	0.45468	-0.31685	0.62967	-0.57545	0.72330
##	1697	-0.07854	0.48246	1.16365	-0.31685	-1.69163	0.80523	0.72330
##	1698	-0.95197	-0.48246	-0.61113	-0.31685	1.37297	-0.94779	2.15324
##	1699	0.49788	0.48246	0.45468	-0.31685	1.98437	-0.80615	2.15324
##	1700	-0.07854	0.48246	-0.05921	-0.31685	-0.58016	0.47617	-1.97495

## 1701	-0.95197	-0.48246	-0.61113	-0.31685	-0.34799	-0.69509	-0.58331
## 1702	-0.95197	-0.48246	-1.22751	-0.31685	0.41667	0.16767	-0.01928
## 1703	1.82213	-0.48246	-0.61113	-0.31685	0.62967	-1.76250	-1.11902
## 1704	-0.95197	-0.48246	0.45468	-0.31685	-0.92104	0.32197	-1.42424
## 1705	-0.95197	0.48246	-0.05921	-0.31685	-0.46725	0.80523	-0.58331
## 1706	0.49788	0.48246	0.45468	-0.31685	-0.46725	0.96248	-0.84732
## 1707	1.09449	0.48246	0.45468	-0.31685	-1.05308	1.28610	-0.84732
## 1708	0.49788	0.48246	-1.22751	-0.31685	-0.79151	-0.80615	0.72330
## 1709	-0.07854	0.48246	0.45468	-0.31685	0.04257	1.74091	0.58331
## 1710	0.49788	0.48246	1.16365	-0.31685	-0.79151	0.63779	-0.84732
## 1711	0.49788	0.48246	1.98437	0.11440	-2.34360	1.74091	-0.01928
## 1712	1.09449	0.48246	-1.73790	-0.31685	-0.05188	-0.30033	-1.68062
## 1713	1.09449	-0.48246	-0.05921	-0.31685	1.23461	0.47617	0.58331
## 1714	1.09449	-0.48246	1.16365	-0.31685	-0.14882	0.80523	-0.58331
## 1715	0.49788	0.48246	1.16365	0.11440	0.41667	-0.80615	1.06238
## 1716	1.09449	-0.48246	-0.05921	-0.31685	-1.19430	0.32197	-0.45174
## 1717	-0.07854	0.48246	0.45468	-0.31685	0.04257	-0.43999	-0.01928
## 1718	-0.07854	0.48246	0.45468	-0.31685	0.41667	1.11406	-1.11902
## 1719	-0.07854	0.48246	-1.22751	-0.31685	-0.46725	0.16767	-2.63199
## 1720	1.09449	-0.48246	0.45468	-0.31685	-0.05188	1.11406	0.72330
## 1721	1.82213	-0.48246	-0.05921	-0.31685	-2.05048	-0.15487	-1.42424
## 1722	1.09449	0.48246	-0.05921	-0.31685	-1.32828	0.16767	-0.58331
## 1723	-0.07854	0.48246	-1.73790	-0.31685	-1.19430	-1.23177	-2.21069
## 1724	-0.07854	0.48246	1.16365	-0.31685	0.13606	0.32197	0.58331
## 1725	-0.95197	0.48246	-1.73790	-0.31685	-1.69163	0.32197	-1.82919
## 1726	1.09449	-0.48246	1.16365	-0.31685	-0.79151	-0.94779	-0.45174
## 1727	-0.95197	-0.48246	-0.61113	-0.31685	-2.21844	0.96248	-0.01928
## 1728	-0.07854	0.48246	-0.61113	-0.31685	0.62967	-1.37639	-0.71727
## 1729	1.09449	-0.48246	1.16365	-0.31685	-0.34799	-0.30033	0.29338
## 1730	-0.07854	-0.48246	-0.05921	-0.31685	0.41667	-0.80615	-0.84732
## 1731	1.09449	-0.48246	-0.05921	-0.31685	-0.92104	-0.30033	-1.55521
## 1732	1.09449	0.48246	-0.05921	-0.31685	-1.05308	0.80523	-0.58331
## 1733	-0.07854	0.48246	1.16365	-0.31685	-2.42317	0.32197	-2.21069
## 1734	0.49788	-0.48246	-0.05921	-0.31685	-1.43907	0.96248	0.29338
## 1735	1.09449	-0.48246	-0.05921	-0.31685	-1.32828	-0.30033	-0.17779
## 1736	1.82213	0.48246	-2.43591	-0.31685	-0.14882	0.16767	-0.71727
## 1737	-0.07854	0.48246	-0.05921	-0.31685	0.22393	0.00332	-0.45174
## 1738	1.09449	0.48246	0.45468	-0.31685	-0.92104	0.32197	-0.58331
## 1739	-0.07854	0.48246	0.45468	-0.31685	1.49158	0.63779	0.88309
## 1740	0.49788	-0.48246	0.45468	-0.31685	-1.55078	0.80523	1.06238
## 1741	0.49788	0.48246	1.16365	-0.31685	-0.58016	0.47617	-0.58331
## 1742	1.82213	0.48246	-0.61113	-0.31685	-0.46725	-0.94779	-1.42424
## 1743	-0.07854	0.48246	-1.73790	-0.31685	-1.86962	0.96248	-0.97631
## 1744	0.49788	0.48246	1.16365	-1.10702	-0.24649	-0.57545	-0.58331
## 1745	1.09449	0.48246	-0.61113	-0.31685	0.13606	0.80523	0.44585
## 1746	-0.95197	-0.48246	0.45468	-0.31685	1.37297	-0.69509	2.90161
## 1747	-0.07854	0.48246	-1.43719	-0.31685	2.61139	-0.43999	-0.45174
## 1748	1.09449	-0.48246	-1.73790	-0.31685	-0.24649	0.47617	-0.84732
## 1749	-0.07854	0.48246	0.45468	-0.31685	1.98437	0.63779	1.43533
## 1750	-0.07854	-0.48246	0.45468	-0.31685	-0.67825	0.96248	-0.71727
## 1751	-0.07854	0.48246	-0.05921	-0.31685	-0.14882	1.58487	-0.01928
## 1752	-0.95197	-0.48246	-0.61113	-0.31685	-1.05308	0.16767	0.44585
## 1753	-0.95197	0.48246	-1.22751	-0.31685	1.02119	1.45421	2.44904
## 1754	-0.95197	-0.48246	-1.22751	-0.31685	0.73545	0.00332	1.43533

##	1755	0.49788	-0.48246	-0.05921	-0.31685	1.02119	-0.43999	-2.39883
##	1756	1.09449	-0.48246	1.16365	-0.31685	-0.92104	-0.43999	0.14143
##	1757	0.49788	-0.48246	1.16365	-0.31685	-0.24649	-1.76250	-0.01928
##	1758	1.09449	0.48246	-0.05921	-0.31685	-0.58016	0.32197	0.14143
##	1759	0.49788	0.48246	-0.05921	-0.31685	-0.24649	-0.57545	-0.17779
##	1760	-0.95197	-0.48246	-0.61113	-0.31685	0.52135	-1.09207	-0.01928
##	1761	-0.95197	0.48246	0.45468	-0.31685	-0.79151	-1.09207	1.88511
##	1762	0.49788	-0.48246	-1.73790	-0.31685	0.91093	-0.30033	0.14143
##	1763	-0.07854	0.48246	-0.61113	-0.31685	0.52135	1.93886	1.43533
##	1764	-0.07854	0.48246	0.45468	-0.31685	0.82562	-1.23177	1.24033
##	1765	-0.95197	-0.48246	-0.61113	-0.31685	0.31287	-1.92173	0.14143
##	1766	-0.07854	0.48246	-0.61113	-0.31685	0.91093	-0.94779	1.24033
##	1767	0.49788	0.48246	-0.05921	-0.31685	-0.79151	0.47617	-1.11902
##	1768	-0.07854	-0.48246	0.45468	-0.31685	-0.46725	0.96248	-0.01928
##	1769	1.82213	-0.48246	-0.61113	-0.31685	-0.24649	-1.37639	-0.17779
##	1770	-0.95197	-0.48246	-1.22751	-0.22166	-0.34799	1.28610	1.06238
##	1771	-0.07854	0.48246	1.16365	-0.31685	0.91093	0.63779	-0.45174
##	1772	-0.95197	0.48246	-1.22751	-0.31685	0.82562	-0.43999	0.44585
##	1773	-0.95197	-0.48246	-0.61113	-0.31685	-0.92104	0.47617	0.44585
##	1774	-0.95197	0.48246	0.45468	-0.31685	0.82562	-1.09207	1.43533
##	1775	1.09449	0.48246	-1.73790	-0.31685	1.02119	-0.69509	-1.68062
##	1776	-0.95197	0.48246	0.45468	-0.31685	-0.05188	0.32197	-0.01928
##	1777	1.09449	-0.48246	-0.61113	-0.31685	-0.24649	0.00332	0.29338
##	1778	-0.95197	0.48246	0.45468	-0.31685	1.37297	-0.69509	-2.09015
##	1779	-0.95197	-0.48246	-1.22751	-0.31685	-1.43907	-0.57545	-1.55521
##	1780	-0.07854	0.48246	-1.43719	-0.31685	-0.34799	0.47617	0.72330
##	1781	-0.07854	0.48246	-0.61113	-0.22166	1.23461	-0.80615	-0.84732
##	1782	-0.95197	-0.48246	-0.61113	-1.10702	1.02119	-1.09207	-0.45174
##	1783	-0.07854	0.48246	1.16365	-0.31685	-0.14882	-0.57545	-0.45174
##	1784	-0.95197	-0.48246	-0.61113	-0.31685	-0.67825	3.27393	1.88511
##	1785	-0.95197	-0.48246	0.45468	-0.31685	0.52135	-0.94779	0.14143
##	1786	1.09449	0.48246	0.45468	-0.31685	-0.34799	-1.09207	-0.17779
##	1787	-0.95197	-0.48246	-0.61113	-0.31685	0.04257	-0.15487	2.44904
##	1788	-0.95197	-0.48246	-1.43719	-0.31685	0.13606	0.32197	0.44585
##	1789	0.49788	0.48246	1.98437	-0.31685	-0.24649	-0.15487	0.72330
##	1790	-0.95197	-0.48246	0.45468	-0.31685	0.62967	-1.50796	1.88511
##	1791	-0.95197	-0.48246	-0.61113	-0.31685	-0.46725	-0.15487	0.58331
##	1792	-0.95197	0.48246	-0.61113	-0.31685	0.82562	-1.76250	2.90161
##	1793	-0.07854	-0.48246	0.45468	-0.31685	0.04257	0.63779	1.06238
##	1794	0.49788	0.48246	-1.73790	-0.31685	0.73545	-0.57545	-2.09015
##	1795	-0.95197	-0.48246	-0.61113	-0.31685	0.31287	-0.15487	1.88511
##	1796	-0.95197	-0.48246	0.45468	-0.31685	1.49158	-1.50796	-0.01928
##	1797	1.82213	-0.48246	1.16365	-0.31685	-0.58016	1.74091	-1.97495
##	1798	1.09449	-0.48246	-0.61113	-0.31685	2.28554	-1.23177	-0.01928
##	1799	-0.07854	-0.48246	1.98437	-0.31685	0.52135	1.58487	2.90161
##	1800	-0.95197	-0.48246	1.16365	0.11440	-0.79151	0.47617	1.43533
##	1801	-0.95197	-0.48246	-0.61113	-0.31685	-0.14882	1.74091	1.06238
##	1802	-0.95197	-0.48246	-0.05921	0.11440	0.41667	-0.15487	1.43533
##	1803	-0.95197	-0.48246	-0.61113	-0.31685	0.82562	-0.57545	0.88309
##	1804	0.49788	0.48246	-0.05921	-0.31685	0.04257	-0.80615	-0.84732
##	1805	0.49788	-0.48246	0.45468	0.11440	-0.14882	-0.94779	1.24033
##	1806	-0.95197	0.48246	1.16365	-1.10702	0.41667	-0.80615	-0.58331
##	1807	-0.95197	0.48246	-1.43719	-0.31685	1.23461	1.11406	1.06238
##	1808	-0.95197	-0.48246	0.45468	-0.31685	-0.58016	-1.23177	1.06238

##	1809	-0.95197	-0.48246	-0.61113	-0.31685	-1.55078	-0.80615	1.06238
##	1810	-0.07854	0.48246	-1.22751	-0.31685	1.37297	-0.15487	0.44585
##	1811	-0.07854	-0.48246	0.45468	-0.50212	-0.67825	0.63779	0.14143
##	1812	0.49788	0.48246	0.45468	-0.31685	0.91093	-0.69509	2.44904
##	1813	-0.95197	0.48246	1.16365	-0.31685	0.13606	0.32197	-0.97631
##	1814	1.09449	-0.48246	0.45468	-0.31685	-1.86962	0.00332	0.14143
##	1815	-0.95197	0.48246	-0.61113	0.11440	-0.05188	-1.23177	0.29338
##	1816	-0.07854	0.48246	0.45468	-0.31685	0.13606	0.63779	0.58331
##	1817	-0.95197	-0.48246	1.16365	-0.31685	-2.75696	2.57309	1.24033
##	1818	-0.95197	-0.48246	-0.61113	-0.31685	1.60383	-2.03972	1.43533
##	1819	1.09449	0.48246	-0.61113	-0.31685	1.37297	-0.15487	0.44585
##	1820	-0.95197	-0.48246	-0.61113	-0.31685	-0.79151	0.32197	1.88511
##	1821	-0.95197	0.48246	-0.61113	-0.31685	1.23461	-1.23177	1.06238
##	1822	-0.07854	-0.48246	0.45468	-0.50212	-0.46725	-1.50796	-0.58331
##	1823	-0.95197	-0.48246	0.45468	-0.31685	0.04257	-1.09207	0.14143
##	1824	-0.95197	0.48246	0.45468	-0.31685	0.22393	-0.30033	0.88309
##	1825	-0.07854	0.48246	0.45468	-0.31685	-1.05308	-1.50796	0.14143
##	1826	-0.07854	0.48246	1.16365	-0.31685	-0.34799	1.11406	0.44585
##	1827	-0.07854	0.48246	0.45468	0.11440	0.82562	-1.63340	-0.31776
##	1828	-0.07854	0.48246	0.45468	-0.31685	0.13606	-2.32338	0.29338
##	1829	-0.95197	-0.48246	-1.22751	-0.31685	0.22393	0.00332	0.44585
##	1830	-0.95197	-0.48246	0.45468	0.11440	-2.75696	1.93886	0.88309
##	1831	0.49788	0.48246	0.45468	-0.31685	-0.34799	-1.09207	0.29338
##	1832	-0.07854	-0.48246	-0.61113	-0.31685	-0.67825	0.63779	-0.45174
##	1833	1.09449	-0.48246	0.45468	-0.31685	0.62967	-0.80615	-0.01928
##	1834	0.49788	0.48246	-0.05921	-0.31685	1.98437	-1.92173	0.88309
##	1835	0.49788	0.48246	-0.61113	-0.31685	0.31287	-1.50796	0.44585
##	1836	0.49788	0.48246	-0.05921	-0.31685	-0.05188	-0.80615	-0.01928
##	1837	-0.07854	0.48246	-0.05921	-0.31685	-1.55078	0.96248	1.88511
##	1838	1.82213	0.48246	0.45468	-0.31685	0.41667	0.63779	0.44585
##	1839	-0.95197	-0.48246	-0.61113	-0.31685	0.13606	-0.43999	1.43533
##	1840	-0.07854	-0.48246	0.45468	0.11440	1.13281	-0.15487	1.24033
##	1841	1.09449	-0.48246	1.98437	-0.31685	-0.24649	-0.80615	-0.01928
##	1842	-0.95197	-0.48246	-0.61113	-0.31685	-0.58016	0.47617	2.15324
##	1843	1.09449	-0.48246	0.45468	-0.31685	-0.05188	0.63779	0.58331
##	1844	-0.95197	-0.48246	-0.61113	-0.31685	-1.32828	1.28610	0.88309
##	1845	-0.95197	0.48246	0.45468	-0.31685	1.60383	-0.94779	1.24033
##	1846	-0.95197	0.48246	-0.61113	-0.31685	0.62967	-0.94779	0.44585
##	1847	1.09449	-0.48246	-0.05921	-1.10702	-1.05308	-0.94779	-0.97631
##	1848	-0.07854	0.48246	0.45468	-0.31685	2.12700	-1.37639	1.88511
##	1849	-0.95197	-0.48246	-1.43719	-0.31685	0.31287	0.63779	-0.31776
##	1850	-0.07854	-0.48246	-0.05921	0.11440	0.41667	0.96248	-0.17779
##	1851	-0.07854	0.48246	1.16365	-0.31685	-0.14882	-0.15487	-0.45174
##	1852	0.49788	-0.48246	-1.73790	-0.31685	-0.46725	-1.23177	-0.45174
##	1853	-0.95197	-0.48246	-0.61113	-0.31685	-0.14882	1.28610	-0.31776
##	1854	-0.95197	-0.48246	-0.61113	-0.31685	-1.55078	0.16767	2.15324
##	1855	-0.95197	-0.48246	-1.43719	-0.31685	-0.14882	0.00332	0.58331
##	1856	0.49788	-0.48246	-0.05921	-0.31685	-1.19430	1.11406	0.58331
##	1857	-0.95197	-0.48246	-0.61113	-0.31685	0.31287	-0.57545	-0.31776
##	1858	-0.95197	-0.48246	-0.61113	-0.31685	1.72012	0.32197	1.65653
##	1859	-0.95197	-0.48246	-1.22751	-0.31685	-0.24649	0.32197	0.44585
##	1860	0.49788	-0.48246	-0.61113	-0.31685	-0.34799	0.00332	0.72330
##	1861	1.82213	0.48246	0.45468	-0.31685	-1.69163	-1.09207	1.06238
##	1862	-0.07854	0.48246	0.45468	0.11440	-0.34799	0.00332	1.24033

##	1863	1.09449	-0.48246	-2.43591	-0.31685	0.73545	-0.43999	0.44585
##	1864	-0.95197	0.48246	-0.61113	-0.31685	0.62967	0.63779	2.90161
##	1865	-0.07854	-0.48246	-0.61113	-0.31685	-2.05048	0.00332	2.15324
##	1866	-0.95197	0.48246	-0.05921	-0.31685	0.04257	0.00332	2.44904
##	1867	-0.95197	0.48246	0.45468	-0.31685	0.13606	-0.80615	1.43533
##	1868	-0.95197	0.48246	-0.61113	-0.31685	1.13281	-0.43999	0.29338
##	1869	-0.95197	-0.48246	-0.61113	-0.31685	-0.58016	-0.15487	0.29338
##	1870	-0.95197	-0.48246	-0.61113	-0.31685	-0.14882	1.11406	1.43533
##	1871	-0.07854	0.48246	0.45468	-0.31685	-1.05308	0.96248	1.88511
##	1872	-0.95197	-0.48246	-1.22751	-0.31685	1.02119	-0.43999	1.43533
##	1873	-0.95197	-0.48246	-0.61113	-0.31685	-0.79151	0.00332	2.44904
##	1874	-0.95197	-0.48246	-1.43719	-0.31685	0.73545	-1.23177	0.58331
##	1875	2.59171	-0.48246	-0.61113	-0.31685	2.12700	-0.15487	2.44904
##	1876	-0.95197	-0.48246	-0.61113	0.12600	-0.05188	-1.76250	0.58331
##	1877	-0.07854	-0.48246	-0.61113	0.11440	-0.14882	-0.57545	1.43533
##	1878	-0.95197	-0.48246	-1.43719	-0.31685	1.49158	-1.92173	-0.58331
##	1879	-0.95197	-0.48246	0.45468	-0.31685	-0.05188	-1.76250	0.88309
##	1880	-0.95197	-0.48246	-0.61113	-0.31685	-0.79151	0.32197	0.29338
##	1881	-0.95197	0.48246	-0.61113	-0.31685	-1.19430	1.74091	1.88511
##	1882	-0.95197	-0.48246	-0.61113	-0.31685	-0.24649	1.74091	0.58331
##	1883	-0.07854	0.48246	0.45468	-0.31685	1.13281	-1.37639	-1.27553
##	1884	-0.95197	0.48246	-0.61113	-0.31685	0.91093	-1.92173	0.29338
##	1885	-0.95197	-0.48246	-0.61113	-0.31685	-0.46725	2.12700	1.65653
##		Ascore	Cscore	Impulsive	Alcohol	Amphet	Caff	Heroin
##	1	-0.91699	-0.00665	-0.21712	5	2	6	0
##	2	0.76096	-0.14277	-0.71126	5	2	6	0
##	3	-1.62090	-1.01450	-1.37983	6	0	6	0
##	4	0.59042	0.58489	-1.37983	4	0	5	0
##	5	-0.30172	1.30612	-0.21712	4	1	6	0
##	6	2.03972	1.63088	-1.37983	2	0	6	0
##	7	-0.30172	0.93949	-0.21712	6	0	6	0
##	8	-0.30172	1.63088	0.19268	5	0	6	0
##	9	0.76096	1.13407	-1.37983	4	0	6	0
##	10	0.59042	0.12331	-1.37983	6	1	6	0
##	11	-0.76096	1.81175	0.19268	5	0	6	0
##	12	-1.92595	-0.52745	0.52975	5	1	6	0
##	13	-1.62090	-0.78155	1.29221	5	1	6	0
##	14	0.94156	3.46436	-0.71126	1	0	5	0
##	15	-0.60633	1.63088	1.29221	6	0	6	0
##	16	-1.07533	1.13407	-0.71126	5	2	6	0
##	17	0.28783	0.75830	-0.21712	6	0	6	0
##	18	-0.45321	-1.38502	-1.37983	6	1	6	0
##	19	-1.92595	-1.51840	-0.71126	6	2	6	0
##	20	-1.92595	0.75830	-1.37983	4	1	6	0
##	21	1.61108	-1.13788	0.19268	6	1	6	0
##	22	-0.60633	1.81175	-0.21712	5	0	6	0
##	23	1.11406	-0.89891	-0.71126	4	0	5	0
##	24	0.28783	-1.01450	-1.37983	6	2	6	1
##	25	0.76096	1.46191	-0.21712	5	1	5	0
##	26	0.94156	-0.00665	-0.21712	5	1	6	0
##	27	-0.76096	0.58489	0.19268	6	0	6	0
##	28	-0.01729	-2.18109	1.86203	6	1	6	0
##	29	0.28783	1.30612	0.19268	6	0	4	0
##	30	0.94156	1.81175	-0.21712	0	0	6	0

## 31	-1.47955	-0.65253	-1.37983	6	1	6	1
## 32	-0.60633	-0.00665	-1.37983	3	0	3	0
## 33	0.43852	-0.00665	0.19268	6	1	6	0
## 34	1.28610	-0.14277	-0.71126	6	0	6	0
## 35	-2.90161	-0.78155	0.52975	4	2	5	1
## 36	-0.30172	-0.78155	0.52975	3	0	6	0
## 37	-0.01729	-1.51840	-0.21712	6	0	6	0
## 38	0.13136	-0.65253	0.52975	6	1	6	0
## 39	-0.01729	0.75830	-0.21712	6	1	4	0
## 40	-0.76096	0.41594	-1.37983	6	0	6	0
## 41	-2.07848	0.75830	-0.71126	5	1	6	0
## 42	1.81866	-0.40581	-0.21712	4	0	4	0
## 43	-0.01729	-0.65253	-0.21712	6	0	6	0
## 44	-0.15487	-1.01450	-0.21712	6	2	6	0
## 45	1.28610	0.93949	-0.21712	5	0	6	0
## 46	0.94156	1.63088	-1.37983	5	0	6	0
## 47	0.28783	1.46191	-0.71126	3	0	6	0
## 48	0.94156	1.13407	-2.55524	5	0	6	0
## 49	-0.15487	-0.65253	0.19268	6	1	6	0
## 50	-0.91699	0.25953	0.52975	6	0	6	0
## 51	-1.21213	-0.00665	-0.71126	6	1	6	0
## 52	-0.91699	-1.92173	1.86203	2	1	6	0
## 53	0.28783	-0.78155	0.52975	5	0	6	0
## 54	0.28783	0.25953	-0.21712	5	1	6	0
## 55	-1.07533	-1.13788	1.29221	6	0	6	0
## 56	-0.45321	-0.40581	-1.37983	3	0	6	0
## 57	-0.01729	0.25953	-1.37983	5	0	6	0
## 58	0.28783	0.75830	-0.71126	1	0	6	0
## 59	-0.45321	-0.40581	1.86203	5	1	6	1
## 60	-1.62090	-0.14277	-1.37983	5	0	6	0
## 61	-0.30172	-0.27607	-1.37983	5	0	6	0
## 62	0.13136	1.30612	-1.37983	5	1	4	0
## 63	-1.34289	0.41594	-1.37983	5	0	5	0
## 64	-0.60633	-0.00665	-1.37983	5	0	6	0
## 65	-0.45321	0.93949	-1.37983	6	1	6	0
## 66	1.11406	0.58489	0.52975	5	0	6	0
## 67	1.28610	0.41594	-0.71126	4	0	0	0
## 68	-0.91699	-0.14277	0.88113	5	1	6	0
## 69	-0.15487	-0.27607	-0.21712	5	1	5	0
## 70	0.28783	-0.00665	-1.37983	6	0	1	0
## 71	-1.92595	-0.27607	0.52975	6	2	4	0
## 72	1.11406	0.12331	-2.55524	5	0	6	0
## 73	0.43852	0.93949	0.19268	6	1	6	0
## 74	0.28783	1.13407	-0.71126	6	0	6	0
## 75	-1.47955	0.25953	0.52975	3	0	6	0
## 76	-0.76096	-0.40581	0.52975	5	0	6	0
## 77	0.43852	0.58489	-2.55524	4	0	6	0
## 78	-1.21213	-0.40581	-0.21712	3	1	6	0
## 79	-1.62090	-2.18109	-2.55524	6	0	6	0
## 80	1.11406	-0.65253	-0.21712	5	0	6	0
## 81	-0.15487	1.46191	-0.21712	6	0	6	0
## 82	-0.91699	-0.14277	0.88113	5	1	6	1
## 83	0.59042	1.46191	-0.21712	5	0	6	0
## 84	1.45039	-1.64101	0.19268	3	0	6	0

## 85	-0.30172	-0.14277	-1.37983	5	0	6	0
## 86	0.13136	0.41594	0.52975	3	0	6	0
## 87	0.13136	-0.14277	-0.21712	5	0	6	0
## 88	-0.30172	0.25953	-0.71126	5	0	5	0
## 89	-0.76096	-0.52745	-1.37983	3	0	6	0
## 90	-0.60633	-0.27607	0.52975	5	1	6	0
## 91	0.28783	-0.78155	-1.37983	6	0	6	0
## 92	0.28783	0.75830	0.88113	2	0	6	0
## 93	0.28783	-0.00665	-0.71126	4	0	6	0
## 94	0.76096	0.41594	-1.37983	3	0	6	0
## 95	0.59042	-0.14277	-1.37983	5	0	6	0
## 96	-1.62090	1.13407	0.52975	6	1	6	0
## 97	-0.15487	0.75830	-1.37983	4	1	6	0
## 98	-0.60633	-1.13788	0.19268	5	1	6	0
## 99	-0.60633	0.93949	-0.21712	4	1	6	0
## 100	0.94156	1.63088	0.52975	6	2	6	0
## 101	-1.47955	-0.40581	-0.21712	6	3	6	0
## 102	-0.15487	0.93949	-1.37983	4	0	6	0
## 103	-1.34289	-0.00665	-0.71126	6	1	6	2
## 104	-0.30172	0.12331	0.19268	4	0	6	0
## 105	1.11406	0.58489	-0.71126	5	0	6	0
## 106	-0.76096	2.04506	-1.37983	3	0	6	0
## 107	0.28783	-0.40581	-1.37983	4	0	5	0
## 108	-0.76096	0.58489	0.52975	5	3	6	0
## 109	0.13136	0.75830	1.86203	5	0	6	0
## 110	-0.91699	-0.52745	-0.71126	5	1	6	0
## 111	-0.30172	-0.14277	0.19268	5	0	6	0
## 112	-0.60633	-0.65253	0.19268	6	1	6	0
## 113	-1.21213	-0.78155	-0.21712	3	0	6	0
## 114	0.13136	0.75830	0.19268	4	0	6	0
## 115	-0.76096	-1.38502	1.86203	4	1	6	2
## 116	0.28783	1.13407	-1.37983	5	1	6	0
## 117	-1.77200	-0.40581	0.52975	4	0	4	0
## 118	0.13136	-1.13788	0.52975	5	1	6	2
## 119	1.11406	0.25953	-0.21712	5	0	6	0
## 120	0.28783	1.46191	-0.21712	5	0	4	0
## 121	-1.07533	0.75830	0.19268	6	1	6	0
## 122	-2.07848	-0.78155	0.52975	2	0	6	0
## 123	-0.30172	-0.89891	-0.21712	6	0	6	0
## 124	-0.01729	0.12331	1.29221	5	1	6	0
## 125	0.43852	0.58489	-0.21712	3	0	6	0
## 126	0.13136	1.13407	0.52975	6	0	5	0
## 127	-0.45321	-0.00665	-0.21712	5	1	5	0
## 128	0.28783	0.93949	-1.37983	5	0	0	0
## 129	0.13136	0.25953	-0.21712	0	0	1	0
## 130	0.94156	0.41594	0.19268	6	0	6	0
## 131	0.43852	2.33337	-0.71126	5	0	6	0
## 132	2.46262	0.58489	-1.37983	4	0	6	0
## 133	-0.15487	0.25953	-1.37983	4	0	6	0
## 134	-0.15487	0.12331	0.52975	5	0	6	0
## 135	0.59042	-0.65253	-1.37983	6	1	6	0
## 136	1.81866	1.63088	0.52975	1	0	6	0
## 137	1.81866	1.63088	1.29221	5	0	6	0
## 138	0.76096	0.41594	-2.55524	4	0	5	0

## 139	0.28783	0.93949	-1.37983	6	0	6	0
## 140	0.94156	-0.27607	-0.21712	6	0	6	0
## 141	0.94156	-0.27607	-0.71126	5	0	6	0
## 142	1.28610	0.58489	-1.37983	5	0	5	0
## 143	0.28783	-0.14277	0.52975	6	0	6	0
## 144	1.28610	2.04506	-0.71126	1	0	6	0
## 145	-1.21213	-0.00665	-0.21712	6	0	6	0
## 146	2.23427	0.75830	1.29221	4	0	6	0
## 147	-0.45321	-0.27607	0.19268	6	0	6	0
## 148	0.13136	0.93949	-0.21712	4	0	6	0
## 149	-0.91699	0.25953	-1.37983	4	0	6	0
## 150	2.03972	1.63088	-0.21712	4	0	3	0
## 151	0.59042	1.13407	0.19268	5	0	6	0
## 152	0.43852	-0.89891	-0.71126	5	0	6	0
## 153	-0.60633	-0.65253	-2.55524	5	0	6	0
## 154	0.76096	0.75830	-0.21712	6	0	4	0
## 155	-0.45321	0.58489	-0.21712	5	0	6	0
## 156	0.28783	-0.27607	-0.71126	5	0	6	0
## 157	1.11406	0.12331	0.19268	5	2	6	0
## 158	-0.45321	0.75830	-0.21712	6	0	6	0
## 159	-0.30172	0.41594	0.88113	3	0	6	0
## 160	0.13136	0.25953	-0.21712	4	0	6	0
## 161	-0.15487	0.25953	-0.21712	5	1	6	0
## 162	1.81866	-0.40581	-0.71126	5	0	6	0
## 163	1.61108	0.93949	-1.37983	3	0	5	0
## 164	0.94156	0.12331	-0.21712	4	0	6	0
## 165	1.45039	1.13407	-1.37983	3	1	3	0
## 166	-0.45321	1.63088	-1.37983	6	0	6	0
## 167	-2.35413	-1.92173	0.88113	5	0	5	0
## 168	-0.45321	0.93949	0.52975	2	0	5	0
## 169	-0.30172	-1.13788	0.52975	5	0	6	0
## 170	0.59042	-0.14277	-0.71126	5	0	6	0
## 171	0.13136	-0.14277	0.88113	2	1	6	0
## 172	0.76096	-0.78155	1.29221	6	0	6	0
## 173	-0.45321	0.75830	0.19268	5	0	6	0
## 174	0.13136	0.25953	0.52975	6	0	6	0
## 175	0.76096	-1.51840	0.88113	6	0	6	0
## 176	1.28610	0.12331	0.19268	5	0	6	0
## 177	-1.21213	-0.52745	-1.37983	3	0	5	0
## 178	-0.91699	1.13407	-0.71126	5	0	6	0
## 179	0.76096	-0.14277	0.19268	5	1	6	0
## 180	1.11406	-0.65253	-1.37983	5	1	6	0
## 181	0.28783	0.93949	0.19268	5	0	6	0
## 182	0.59042	0.93949	-0.71126	5	0	6	0
## 183	1.28610	0.75830	-1.37983	5	0	0	0
## 184	-0.76096	0.93949	-0.71126	6	3	6	0
## 185	0.59042	0.25953	-1.37983	6	0	6	0
## 186	0.76096	-0.14277	-0.21712	5	0	6	0
## 187	0.28783	1.81175	-1.37983	6	0	6	0
## 188	1.11406	0.58489	-1.37983	4	0	3	0
## 189	0.59042	-0.27607	-1.37983	4	0	3	0
## 190	0.13136	0.75830	-0.71126	5	0	5	0
## 191	0.59042	-0.27607	-0.71126	5	0	3	0
## 192	0.59042	-0.52745	0.52975	5	0	6	0

## 193	0.28783	-0.52745	0.88113	5	1	6	0
## 194	0.13136	0.12331	-1.37983	5	0	6	0
## 195	-0.01729	0.41594	-0.71126	3	0	4	0
## 196	-0.30172	0.93949	0.52975	5	1	6	0
## 197	1.28610	-0.89891	0.19268	4	0	5	0
## 198	-0.91699	-0.52745	-0.71126	5	0	5	0
## 199	0.76096	-0.00665	1.86203	6	5	5	2
## 200	1.81866	1.30612	0.52975	4	4	6	0
## 201	1.11406	1.46191	0.52975	6	0	5	0
## 202	-1.34289	1.30612	-0.71126	5	3	6	0
## 203	0.94156	1.13407	0.19268	6	0	6	0
## 204	-0.91699	-0.65253	-1.37983	5	0	6	0
## 205	-0.01729	0.25953	-0.21712	5	2	6	0
## 206	-0.91699	-1.01450	1.86203	5	0	6	0
## 207	0.13136	0.41594	0.88113	5	0	6	0
## 208	0.59042	-0.14277	-0.21712	5	1	6	0
## 209	-0.30172	-0.00665	0.52975	4	1	6	0
## 210	-0.45321	1.13407	-1.37983	0	0	6	0
## 211	-0.01729	-1.25773	1.86203	3	0	6	0
## 212	1.11406	0.93949	-1.37983	5	0	6	0
## 213	1.81866	0.58489	-0.21712	6	1	6	0
## 214	0.94156	0.12331	-1.37983	5	0	6	0
## 215	1.28610	1.30612	0.19268	5	0	5	0
## 216	1.11406	-0.40581	0.19268	5	2	6	0
## 217	1.45039	-0.00665	0.88113	5	1	6	0
## 218	1.45039	-1.64101	1.86203	2	1	6	1
## 219	-1.07533	0.75830	-0.21712	4	0	6	0
## 220	1.11406	0.25953	-1.37983	6	1	4	0
## 221	-0.01729	0.12331	0.19268	5	0	6	0
## 222	-0.76096	0.93949	0.52975	3	0	6	0
## 223	1.11406	0.25953	1.29221	6	2	5	0
## 224	1.11406	0.93949	-0.21712	1	0	1	0
## 225	0.43852	0.75830	-0.21712	5	0	0	0
## 226	-0.45321	0.25953	-1.37983	6	1	6	0
## 227	1.45039	1.46191	-0.21712	5	0	6	0
## 228	-0.60633	0.58489	1.29221	5	0	5	0
## 229	-0.76096	-0.14277	0.19268	6	1	6	0
## 230	0.94156	1.63088	-1.37983	6	0	6	0
## 231	0.59042	0.41594	-1.37983	5	0	5	0
## 232	-0.45321	0.25953	-0.21712	6	0	6	0
## 233	0.13136	0.75830	0.52975	5	1	6	0
## 234	0.94156	0.25953	0.52975	6	0	6	0
## 235	-0.91699	1.63088	0.19268	4	0	6	0
## 236	2.23427	2.04506	-1.37983	5	0	6	0
## 237	0.43852	0.41594	0.19268	6	0	6	0
## 238	0.28783	1.30612	-1.37983	5	1	6	0
## 239	-0.60633	0.25953	-0.21712	4	0	6	0
## 240	1.61108	0.25953	-1.37983	5	0	6	0
## 241	1.61108	2.63199	-1.37983	4	0	6	0
## 242	0.76096	-1.01450	0.19268	5	0	4	0
## 243	0.76096	-0.89891	-1.37983	5	0	6	0
## 244	0.94156	0.93949	-1.37983	5	3	6	0
## 245	1.11406	-2.90161	-0.71126	5	0	6	0
## 246	-1.47955	-1.38502	-2.55524	5	1	6	0

## 247	0.43852	-0.65253	-0.21712	5	0	0	0
## 248	0.59042	1.63088	-0.21712	6	0	6	0
## 249	2.03972	1.81175	-0.71126	5	0	5	0
## 250	0.94156	1.13407	-0.71126	5	0	0	0
## 251	-0.45321	1.46191	0.19268	5	0	6	0
## 252	-0.15487	0.75830	-1.37983	4	0	5	0
## 253	2.23427	2.04506	-0.71126	5	0	6	0
## 254	-0.01729	0.93949	-1.37983	6	0	6	0
## 255	-0.91699	-0.27607	-1.37983	4	0	6	0
## 256	1.28610	0.75830	0.19268	5	1	5	0
## 257	0.76096	0.93949	-0.71126	4	2	2	0
## 258	-2.70172	-0.27607	-0.71126	4	1	6	0
## 259	-1.47955	1.81175	-0.71126	5	0	4	0
## 260	0.43852	0.75830	-0.21712	6	0	6	0
## 261	-0.91699	-0.00665	1.86203	5	0	6	0
## 262	-0.01729	-0.14277	1.86203	2	0	0	0
## 263	0.94156	0.25953	-1.37983	3	0	6	0
## 264	1.61108	1.13407	-0.71126	5	0	0	0
## 265	0.59042	0.58489	-1.37983	5	0	5	0
## 266	-0.01729	-0.00665	-0.71126	2	0	6	0
## 267	0.28783	0.75830	-0.21712	6	1	6	0
## 268	-0.45321	-0.00665	-0.21712	6	0	6	0
## 269	0.43852	2.04506	-0.21712	6	0	6	0
## 270	-0.76096	0.12331	-1.37983	4	0	2	0
## 271	0.76096	0.75830	0.88113	6	0	6	0
## 272	0.28783	-1.38502	-0.71126	6	1	6	0
## 273	0.28783	-0.00665	0.52975	6	0	6	0
## 274	0.28783	0.25953	-0.71126	6	3	6	0
## 275	-0.91699	0.58489	-0.21712	6	1	6	0
## 276	0.43852	1.63088	-1.37983	4	0	6	0
## 277	-0.30172	-0.52745	-0.21712	6	0	3	0
## 278	0.76096	-0.14277	0.52975	5	2	5	0
## 279	0.76096	-0.00665	-0.71126	5	0	6	0
## 280	0.43852	0.41594	0.19268	5	1	6	0
## 281	-0.01729	-0.89891	-0.71126	6	0	6	0
## 282	-0.15487	-0.14277	-0.71126	5	0	6	0
## 283	0.94156	0.93949	0.19268	5	0	5	0
## 284	-0.30172	0.75830	0.19268	6	0	6	0
## 285	-0.45321	0.25953	1.29221	3	2	6	0
## 286	-0.30172	0.25953	-1.37983	5	0	6	0
## 287	-1.34289	-0.14277	-1.37983	5	0	6	0
## 288	0.43852	-0.89891	-0.21712	3	0	6	0
## 289	-0.30172	-0.00665	-0.21712	6	0	6	0
## 290	1.61108	1.13407	-1.37983	4	0	6	0
## 291	1.45039	0.93949	-1.37983	0	0	5	0
## 292	-0.76096	-0.40581	-1.37983	5	1	4	0
## 293	-0.60633	0.41594	-0.71126	3	0	6	0
## 294	-0.76096	-0.40581	0.19268	3	1	3	0
## 295	-0.60633	-0.14277	-0.71126	5	0	4	0
## 296	-0.01729	-0.00665	-0.71126	5	0	5	2
## 297	-0.15487	1.13407	-0.21712	0	0	6	0
## 298	1.61108	0.41594	-0.21712	5	0	6	0
## 299	0.43852	0.58489	-0.71126	5	0	4	0
## 300	0.13136	0.58489	-1.37983	3	0	2	0

## 301	0.59042	0.93949	-0.71126	6	0	6	0
## 302	-0.76096	-0.40581	-0.21712	6	0	6	0
## 303	-0.15487	0.93949	-0.21712	6	0	6	0
## 304	1.61108	0.12331	-0.71126	4	1	6	0
## 305	-1.07533	0.75830	-1.37983	5	0	6	0
## 306	1.11406	0.75830	-0.71126	5	0	6	0
## 307	-0.01729	1.63088	0.19268	5	0	6	0
## 308	0.59042	0.41594	-1.37983	6	0	6	0
## 309	0.13136	0.58489	-1.37983	3	0	6	0
## 310	-0.30172	-0.14277	1.86203	3	0	6	0
## 311	0.28783	0.12331	-1.37983	6	0	6	0
## 312	0.59042	1.30612	0.19268	5	1	6	0
## 313	0.13136	-0.14277	-0.71126	5	0	6	0
## 314	-0.01729	0.41594	-0.71126	5	0	6	0
## 315	-0.45321	-0.78155	1.86203	5	1	6	0
## 316	-0.01729	1.13407	-0.71126	5	0	6	0
## 317	0.28783	0.93949	-1.37983	2	0	6	0
## 318	-0.15487	0.58489	0.88113	4	0	0	0
## 319	-1.07533	-0.14277	-1.37983	5	0	6	0
## 320	1.81866	1.63088	-1.37983	5	0	6	0
## 321	0.94156	0.12331	-0.21712	5	0	6	0
## 322	0.28783	-0.78155	-0.71126	6	1	6	1
## 323	-0.91699	0.93949	0.19268	5	0	6	0
## 324	0.94156	2.33337	0.19268	5	0	5	0
## 325	0.94156	0.41594	0.52975	6	3	4	0
## 326	1.61108	1.30612	-1.37983	6	0	6	0
## 327	1.11406	-0.52745	-1.37983	5	0	6	0
## 328	0.43852	-0.14277	0.52975	4	0	6	0
## 329	0.76096	0.75830	-0.21712	1	0	6	0
## 330	-0.45321	0.58489	-1.37983	6	2	6	0
## 331	0.94156	0.75830	-1.37983	0	0	5	0
## 332	0.43852	-1.78169	0.19268	6	0	6	0
## 333	0.13136	0.12331	1.29221	4	0	6	0
## 334	-1.34289	-0.00665	-0.21712	4	0	6	0
## 335	0.43852	-1.01450	1.86203	6	0	6	0
## 336	-0.01729	1.30612	-0.21712	5	0	0	0
## 337	-1.77200	0.41594	1.86203	5	1	6	0
## 338	0.76096	1.46191	-0.21712	6	0	0	0
## 339	0.94156	0.75830	-1.37983	5	0	3	0
## 340	0.28783	0.41594	-2.55524	5	0	6	0
## 341	0.94156	1.81175	-2.55524	5	0	6	0
## 342	-0.15487	0.58489	0.19268	1	0	6	0
## 343	-0.15487	-0.40581	0.88113	5	2	6	3
## 344	1.81866	1.13407	-0.71126	1	1	6	1
## 345	0.94156	0.25953	0.19268	2	2	6	0
## 346	2.46262	0.25953	1.86203	6	1	6	0
## 347	-0.01729	0.41594	-1.37983	2	2	6	2
## 348	-0.15487	0.25953	-0.21712	6	0	6	0
## 349	0.13136	-0.14277	-0.21712	5	1	6	0
## 350	1.28610	-0.65253	0.88113	4	2	6	2
## 351	-0.45321	-0.52745	-0.21712	5	2	5	2
## 352	0.76096	-1.38502	0.19268	1	1	6	1
## 353	-0.60633	0.41594	0.52975	2	2	5	0
## 354	0.28783	-0.27607	-0.71126	2	1	6	2

## 355	1.81866	0.93949	1.86203	6	1	6	2
## 356	1.45039	0.41594	-0.71126	6	0	6	0
## 357	-1.77200	-1.64101	1.86203	3	3	5	1
## 358	0.13136	-0.40581	0.52975	2	2	6	0
## 359	0.13136	0.41594	1.29221	5	2	6	2
## 360	0.13136	-0.14277	-0.21712	2	1	6	0
## 361	0.94156	1.30612	0.88113	5	5	6	2
## 362	0.59042	0.41594	-0.71126	2	1	6	2
## 363	0.76096	0.41594	-1.37983	5	0	6	0
## 364	-0.01729	-0.52745	-0.21712	5	0	5	0
## 365	-0.45321	-1.25773	-1.37983	5	0	6	0
## 366	-0.15487	0.58489	-1.37983	0	0	6	0
## 367	0.43852	0.25953	0.19268	5	0	6	0
## 368	0.13136	0.75830	-0.21712	6	1	6	0
## 369	0.76096	-0.65253	0.19268	3	2	6	2
## 370	-0.91699	-0.27607	-0.71126	5	2	6	0
## 371	-1.34289	0.41594	1.29221	5	0	6	0
## 372	0.59042	0.25953	-0.21712	5	2	4	0
## 373	-0.91699	0.12331	-0.21712	6	1	6	0
## 374	1.61108	1.13407	-0.71126	6	0	6	0
## 375	-1.34289	1.46191	-1.37983	6	0	6	0
## 376	0.13136	0.93949	-0.71126	5	0	6	0
## 377	0.43852	-0.52745	-0.71126	5	0	6	0
## 378	0.59042	0.75830	0.52975	0	0	4	0
## 379	-0.01729	0.25953	-0.21712	6	0	6	0
## 380	-0.60633	0.12331	0.19268	2	2	6	0
## 381	-0.91699	-0.78155	1.29221	4	1	6	0
## 382	-0.30172	0.75830	0.19268	5	0	6	0
## 383	1.11406	0.75830	-2.55524	5	0	6	0
## 384	0.76096	0.58489	0.19268	1	0	0	0
## 385	0.13136	-0.40581	-0.71126	5	0	6	0
## 386	1.61108	0.58489	-0.71126	4	0	6	0
## 387	-1.34289	2.04506	-0.71126	0	0	0	0
## 388	-0.15487	-0.27607	-0.21712	3	0	6	0
## 389	0.13136	0.58489	-1.37983	5	0	6	0
## 390	0.13136	-0.00665	0.19268	2	0	6	0
## 391	0.28783	0.12331	-0.71126	5	0	6	0
## 392	-0.01729	1.13407	-0.71126	5	0	6	0
## 393	-0.60633	1.46191	-1.37983	6	0	0	0
## 394	-0.76096	1.81175	0.52975	6	2	6	0
## 395	-1.47955	-0.78155	1.86203	6	1	4	0
## 396	-0.30172	0.58489	-0.21712	6	0	6	0
## 397	-1.47955	0.41594	1.29221	6	0	6	0
## 398	-1.34289	0.93949	0.88113	6	0	6	0
## 399	0.94156	0.58489	-0.71126	1	1	5	0
## 400	0.59042	0.75830	-0.71126	4	0	6	0
## 401	-1.62090	-0.65253	1.86203	5	2	6	0
## 402	-0.60633	-1.25773	0.52975	5	0	5	0
## 403	-0.76096	-0.40581	-1.37983	5	0	5	0
## 404	-0.15487	0.25953	0.88113	3	1	6	0
## 405	1.28610	-0.00665	1.29221	5	3	6	0
## 406	-0.01729	-0.40581	0.19268	3	1	6	0
## 407	-0.30172	-0.65253	-0.21712	6	1	6	0
## 408	0.13136	-0.27607	0.19268	3	1	6	0

## 409	0.28783	0.58489	-0.21712	1	1	6	0
## 410	0.94156	-1.38502	0.88113	5	2	6	1
## 411	0.13136	-1.64101	-0.21712	3	0	3	0
## 412	0.43852	-0.27607	-0.71126	6	0	3	0
## 413	0.13136	-0.40581	-0.21712	5	2	6	0
## 414	-0.15487	-0.65253	0.19268	6	0	6	0
## 415	-2.07848	2.63199	-0.21712	6	3	6	0
## 416	-2.21844	-1.25773	0.19268	5	0	6	0
## 417	-1.07533	-0.65253	1.29221	5	2	5	0
## 418	-0.45321	0.41594	-0.21712	6	0	6	0
## 419	-0.30172	0.12331	0.19268	6	0	6	0
## 420	-0.91699	1.13407	0.52975	4	3	6	0
## 421	-0.30172	-0.40581	0.52975	5	2	6	0
## 422	1.81866	-0.65253	-0.21712	4	1	6	0
## 423	1.28610	0.93949	-0.21712	6	0	6	0
## 424	0.94156	-0.00665	1.29221	3	1	6	1
## 425	-0.30172	-1.64101	-0.21712	6	2	6	0
## 426	-0.15487	-0.00665	0.52975	5	1	5	0
## 427	-1.34289	-0.14277	0.88113	6	1	6	0
## 428	0.28783	0.75830	-1.37983	5	0	6	0
## 429	-0.76096	-0.27607	-0.21712	5	1	6	0
## 430	0.94156	-1.01450	0.19268	5	2	6	0
## 431	0.28783	0.12331	-0.71126	5	0	5	0
## 432	1.28610	-0.14277	1.86203	6	1	2	0
## 433	2.23427	1.63088	-0.21712	5	0	6	0
## 434	0.59042	1.81175	-0.71126	4	0	4	0
## 435	1.81866	0.75830	-1.37983	1	0	2	0
## 436	-0.91699	0.41594	0.52975	6	2	6	2
## 437	-1.77200	-2.04506	0.88113	5	2	6	2
## 438	-0.15487	-1.78169	0.19268	4	0	5	0
## 439	0.76096	1.81175	-0.21712	6	0	6	0
## 440	-0.01729	0.58489	0.52975	3	0	5	0
## 441	-0.15487	-0.00665	0.19268	5	2	6	0
## 442	-0.76096	-0.27607	-0.21712	5	0	6	0
## 443	0.13136	0.75830	-2.55524	5	0	6	0
## 444	-0.91699	0.41594	-0.21712	5	0	6	0
## 445	2.75696	-0.65253	-0.71126	6	2	5	0
## 446	-0.76096	-1.13788	1.29221	6	2	6	0
## 447	-1.77200	-0.89891	1.29221	5	0	6	0
## 448	-0.30172	0.75830	-0.21712	5	3	3	0
## 449	0.59042	-1.01450	0.52975	5	2	6	0
## 450	-0.15487	0.75830	0.19268	5	0	4	0
## 451	0.13136	0.93949	-1.37983	5	0	3	0
## 452	0.13136	0.41594	-1.37983	5	2	4	0
## 453	-0.76096	-0.27607	1.86203	6	6	6	5
## 454	-0.76096	-2.57309	0.88113	6	3	6	0
## 455	-2.21844	-0.65253	0.88113	6	3	6	3
## 456	0.59042	0.75830	-1.37983	5	0	6	0
## 457	0.59042	0.12331	-0.21712	6	4	6	0
## 458	-2.53830	-0.40581	0.52975	4	3	6	0
## 459	-1.77200	0.25953	0.88113	6	3	6	3
## 460	1.81866	-1.25773	0.52975	5	0	6	0
## 461	0.13136	-2.30408	1.29221	3	2	6	0
## 462	1.45039	-1.25773	-0.21712	6	1	6	0

## 463	0.76096	0.93949	0.19268	5	2	5	0
## 464	-0.45321	-0.40581	1.29221	5	0	6	0
## 465	1.11406	-0.27607	-0.71126	0	2	6	0
## 466	-0.01729	1.46191	-0.21712	6	1	2	0
## 467	-0.30172	0.12331	-1.37983	6	0	6	0
## 468	0.76096	-0.00665	0.88113	5	3	6	0
## 469	1.61108	-2.04506	-0.21712	3	1	6	2
## 470	-0.15487	0.75830	-0.71126	4	0	6	0
## 471	1.11406	2.33337	-0.21712	5	2	6	0
## 472	1.28610	-0.00665	0.19268	5	2	6	2
## 473	-0.76096	-0.52745	0.88113	2	0	6	0
## 474	-0.15487	0.41594	-1.37983	6	0	6	0
## 475	0.76096	0.93949	-0.71126	3	1	6	0
## 476	-1.77200	-0.40581	0.19268	6	0	6	0
## 477	-1.21213	-1.25773	1.29221	6	0	6	0
## 478	0.94156	0.58489	-0.21712	6	0	6	0
## 479	1.45039	0.25953	0.19268	6	0	6	0
## 480	-1.34289	-0.65253	-1.37983	3	3	6	3
## 481	-0.15487	0.58489	0.19268	6	2	6	1
## 482	0.13136	1.63088	-0.71126	0	1	6	1
## 483	0.28783	0.93949	0.19268	2	0	5	0
## 484	0.76096	-0.27607	-1.37983	4	1	6	0
## 485	1.11406	-0.78155	-1.37983	6	0	6	0
## 486	-0.76096	-1.38502	-0.71126	5	5	6	0
## 487	-1.07533	0.25953	0.19268	4	0	6	1
## 488	0.76096	-0.40581	-0.21712	6	3	6	0
## 489	-1.92595	-1.64101	-0.21712	3	0	0	0
## 490	-1.34289	-1.38502	-0.71126	5	0	6	0
## 491	-0.30172	-0.78155	1.29221	5	1	6	1
## 492	0.59042	-0.00665	0.19268	6	2	5	0
## 493	-0.01729	0.25953	0.88113	5	0	6	0
## 494	-1.21213	-1.64101	-1.37983	6	0	6	0
## 495	0.59042	0.12331	-1.37983	4	0	6	0
## 496	0.59042	0.93949	-1.37983	3	1	6	0
## 497	-0.60633	-0.00665	-0.71126	6	2	6	0
## 498	0.43852	-0.78155	-0.21712	4	1	6	0
## 499	-0.15487	-1.92173	0.88113	5	1	6	1
## 500	-0.76096	1.13407	0.52975	3	0	6	0
## 501	-0.01729	-0.40581	0.88113	3	1	6	0
## 502	-0.60633	-0.27607	0.52975	5	0	6	0
## 503	-0.76096	0.58489	1.29221	1	0	5	0
## 504	-0.01729	0.41594	-1.37983	1	0	6	0
## 505	-1.07533	-1.13788	0.88113	3	1	6	0
## 506	-0.76096	0.58489	0.19268	4	2	6	0
## 507	-1.34289	-0.00665	0.19268	3	2	5	0
## 508	-1.77200	-0.78155	-0.71126	5	2	5	0
## 509	0.28783	0.12331	-1.37983	5	0	5	0
## 510	-0.30172	-0.40581	0.52975	5	2	6	0
## 511	-0.15487	0.25953	-0.21712	5	1	6	1
## 512	0.13136	-1.01450	1.86203	6	3	6	0
## 513	0.76096	0.41594	-0.21712	3	2	6	1
## 514	-0.45321	-0.27607	-0.21712	6	0	5	0
## 515	0.13136	0.25953	0.88113	5	3	6	0
## 516	-1.62090	0.25953	-0.21712	6	2	6	2

## 517	-0.45321	0.93949	-0.71126	2	0	6	0
## 518	-0.15487	-0.78155	0.52975	2	3	6	3
## 519	1.11406	1.81175	0.52975	5	2	5	2
## 520	-0.76096	0.93949	-1.37983	5	0	6	0
## 521	-0.45321	0.12331	-0.71126	3	0	5	0
## 522	-1.34289	-0.14277	0.52975	5	0	6	0
## 523	-0.76096	-1.25773	0.19268	5	0	6	0
## 524	0.13136	0.41594	-1.37983	2	2	6	2
## 525	2.03972	2.63199	0.19268	5	1	0	0
## 526	-0.01729	0.41594	-0.71126	6	0	6	0
## 527	-1.92595	-1.38502	0.88113	4	0	4	0
## 528	0.59042	-1.64101	0.52975	6	0	6	0
## 529	-0.01729	-0.00665	-0.21712	5	2	6	0
## 530	-1.92595	0.58489	-0.21712	5	0	6	0
## 531	0.28783	-0.89891	-0.21712	5	2	6	1
## 532	1.61108	1.13407	0.19268	4	0	5	0
## 533	-1.62090	-0.65253	0.52975	4	0	5	0
## 534	1.45039	1.46191	0.19268	6	0	6	0
## 535	-2.07848	-0.52745	0.19268	5	4	6	3
## 536	0.94156	-0.65253	0.52975	6	0	5	0
## 537	0.76096	-0.89891	-1.37983	0	0	6	0
## 538	0.59042	0.58489	0.19268	6	0	6	0
## 539	0.59042	1.81175	-2.55524	6	0	6	0
## 540	-0.91699	0.12331	-1.37983	5	0	6	0
## 541	0.76096	0.41594	0.19268	4	0	6	0
## 542	-1.21213	-1.01450	0.19268	6	1	6	1
## 543	-0.76096	0.25953	-0.21712	6	0	5	0
## 544	-0.76096	-1.01450	1.29221	5	0	6	0
## 545	0.59042	-0.78155	-0.71126	5	0	6	0
## 546	3.15735	-0.00665	-1.37983	2	2	6	0
## 547	-0.45321	2.04506	-1.37983	5	0	6	0
## 548	0.13136	-1.78169	0.52975	4	0	6	0
## 549	-0.60633	-0.14277	-0.21712	4	0	5	0
## 550	0.76096	1.30612	-1.37983	6	0	6	0
## 551	-1.07533	1.13407	-0.21712	4	2	6	0
## 552	0.76096	0.25953	-0.21712	2	0	6	0
## 553	-0.01729	0.41594	-0.71126	6	0	6	0
## 554	-0.01729	1.30612	0.52975	4	0	6	0
## 555	-0.01729	0.93949	-0.71126	6	0	6	0
## 556	-0.15487	0.25953	-1.37983	6	2	6	0
## 557	1.45039	1.30612	-0.71126	4	0	5	0
## 558	0.94156	-0.14277	1.29221	5	2	6	0
## 559	0.28783	1.13407	0.19268	6	1	6	0
## 560	0.28783	0.41594	-0.71126	6	0	6	0
## 561	-1.07533	0.75830	-0.21712	5	1	6	0
## 562	-0.30172	1.46191	-0.21712	6	0	6	0
## 563	-1.77200	-0.27607	0.19268	5	0	6	0
## 564	0.13136	-0.40581	1.86203	2	6	6	0
## 565	0.59042	-0.78155	-0.71126	5	0	5	0
## 566	0.94156	0.58489	-1.37983	5	2	5	0
## 567	-0.91699	-0.52745	-0.21712	6	0	6	0
## 568	-0.30172	-0.00665	-0.21712	1	0	1	0
## 569	-0.91699	2.63199	-0.71126	6	0	6	0
## 570	-1.77200	-0.40581	0.52975	6	0	6	0

## 571	1.11406	1.81175	0.19268	6	0	6	0
## 572	-1.07533	-0.65253	1.86203	6	1	6	0
## 573	-0.60633	-0.40581	0.52975	5	0	6	0
## 574	0.59042	-1.78169	-0.71126	6	1	5	0
## 575	-0.45321	1.13407	-0.21712	5	0	3	0
## 576	0.59042	0.93949	-0.71126	4	0	3	0
## 577	1.28610	-0.14277	-0.71126	4	0	6	0
## 578	1.11406	1.46191	-1.37983	6	1	4	0
## 579	0.13136	0.75830	-0.21712	5	0	6	0
## 580	-0.01729	-1.92173	1.86203	6	1	6	0
## 581	-0.30172	-0.65253	0.88113	6	0	6	0
## 582	-0.30172	0.93949	0.52975	6	0	6	0
## 583	0.43852	-0.40581	-0.21712	5	0	6	0
## 584	-1.21213	0.75830	1.29221	2	0	3	0
## 585	-1.07533	-0.27607	0.52975	2	0	6	0
## 586	0.76096	-1.78169	0.19268	5	5	6	0
## 587	0.94156	0.12331	-0.21712	5	3	6	0
## 588	-0.91699	0.41594	0.52975	2	1	6	0
## 589	-0.60633	0.58489	-0.21712	3	3	6	1
## 590	-1.62090	1.63088	-0.21712	6	0	6	0
## 591	0.43852	2.04506	-0.71126	5	0	6	0
## 592	0.59042	0.58489	0.19268	5	0	6	0
## 593	-1.21213	-0.65253	1.29221	5	2	6	0
## 594	-1.34289	0.41594	-0.21712	6	1	6	0
## 595	0.94156	0.93949	0.52975	5	2	5	0
## 596	-0.76096	0.58489	0.88113	1	1	6	0
## 597	0.43852	0.25953	-0.21712	5	1	6	0
## 598	-0.01729	-0.89891	0.52975	4	0	5	0
## 599	1.81866	0.12331	-0.71126	6	0	6	0
## 600	0.13136	-1.01450	1.86203	4	5	6	0
## 601	-2.07848	0.58489	0.52975	6	3	6	0
## 602	-0.60633	-1.01450	0.52975	6	3	6	0
## 603	-1.47955	0.12331	-0.71126	5	0	6	0
## 604	0.94156	0.41594	-0.71126	5	0	6	0
## 605	1.28610	-1.01450	-0.71126	5	3	6	1
## 606	1.45039	-0.78155	-0.21712	5	0	6	0
## 607	2.03972	-0.14277	-0.71126	2	1	6	1
## 608	0.13136	1.13407	0.52975	6	6	6	2
## 609	1.11406	-1.51840	1.86203	4	1	5	0
## 610	0.13136	-0.65253	0.19268	6	1	6	0
## 611	1.28610	0.58489	0.52975	5	0	6	0
## 612	-0.30172	-0.40581	-0.21712	1	1	6	0
## 613	-1.62090	-0.65253	0.19268	6	3	5	0
## 614	-0.91699	0.25953	1.29221	3	2	6	3
## 615	0.76096	-0.27607	0.88113	6	0	6	0
## 616	-0.60633	-1.01450	1.29221	2	6	6	0
## 617	-0.60633	0.75830	-0.71126	3	2	6	1
## 618	0.13136	-0.00665	0.52975	5	0	6	0
## 619	-0.91699	0.58489	-1.37983	5	0	6	0
## 620	1.45039	-1.78169	1.29221	5	0	6	0
## 621	-1.34289	0.25953	0.88113	5	0	6	0
## 622	0.28783	1.63088	-0.71126	5	0	6	0
## 623	-0.30172	-1.38502	1.86203	6	0	6	0
## 624	-0.01729	0.25953	-1.37983	6	0	6	0

## 625	-0.91699	0.25953	-0.71126	6	1	6	0
## 626	-0.45321	0.41594	-0.21712	6	1	6	0
## 627	1.81866	0.58489	-2.55524	5	1	5	0
## 628	1.61108	0.25953	-1.37983	5	0	6	0
## 629	0.28783	-0.14277	-0.21712	5	0	6	0
## 630	0.28783	1.13407	-1.37983	6	1	6	0
## 631	2.23427	1.13407	-1.37983	5	0	6	0
## 632	-0.91699	0.75830	-1.37983	5	0	4	0
## 633	0.13136	0.25953	-0.71126	5	0	6	0
## 634	-1.07533	-0.65253	-0.21712	6	3	6	1
## 635	1.11406	-0.52745	-0.71126	5	2	6	0
## 636	0.43852	-0.00665	0.19268	4	0	6	0
## 637	0.76096	0.41594	-1.37983	4	0	6	0
## 638	-0.15487	1.63088	-0.71126	5	0	6	0
## 639	1.28610	0.41594	0.52975	5	1	6	0
## 640	0.13136	-0.14277	-0.21712	5	0	6	0
## 641	2.23427	1.81175	-0.21712	5	1	4	0
## 642	1.28610	1.30612	-0.71126	5	0	4	0
## 643	0.59042	-0.65253	-0.21712	5	3	5	0
## 644	-0.76096	-0.40581	1.29221	5	0	4	0
## 645	-0.15487	0.75830	-0.21712	5	0	6	0
## 646	-1.62090	0.93949	-0.71126	6	0	6	0
## 647	2.03972	-1.01450	1.29221	6	2	4	3
## 648	-0.01729	2.04506	0.19268	5	2	2	0
## 649	1.61108	0.12331	1.29221	5	2	6	0
## 650	0.59042	-1.01450	0.19268	5	0	6	0
## 651	-0.60633	-1.01450	0.19268	5	5	6	0
## 652	0.13136	-0.00665	1.29221	6	0	4	0
## 653	0.43852	1.13407	-0.71126	5	0	6	0
## 654	-0.15487	-1.01450	0.52975	5	0	6	0
## 655	-1.21213	-1.13788	1.29221	4	0	6	0
## 656	-0.45321	-1.38502	1.86203	5	1	6	1
## 657	-0.30172	-0.52745	0.88113	5	0	6	0
## 658	-0.91699	-0.40581	1.29221	5	3	6	0
## 659	1.11406	0.12331	-1.37983	6	0	6	0
## 660	-0.15487	1.46191	-1.37983	6	0	6	0
## 661	2.03972	1.81175	0.52975	5	0	6	0
## 662	-1.34289	-1.38502	-0.21712	6	1	6	0
## 663	0.28783	-0.52745	0.52975	5	0	6	0
## 664	0.28783	-0.27607	-0.71126	6	2	5	0
## 665	-0.15487	-0.89891	0.88113	3	0	6	0
## 666	-0.30172	0.25953	-0.21712	4	2	4	5
## 667	0.28783	-0.40581	0.19268	5	0	6	0
## 668	-0.30172	-0.14277	0.19268	6	0	6	0
## 669	-0.76096	-0.40581	-2.55524	5	0	6	0
## 670	-0.60633	0.12331	0.88113	2	1	6	0
## 671	0.76096	0.93949	0.52975	2	0	6	0
## 672	0.59042	0.93949	-0.71126	5	0	6	0
## 673	-0.60633	-1.01450	-0.71126	3	0	6	0
## 674	-0.76096	-0.78155	0.19268	3	2	6	0
## 675	-0.15487	0.25953	0.88113	3	0	6	0
## 676	-0.60633	-0.65253	-0.21712	6	2	4	0
## 677	-0.01729	-2.04506	-1.37983	0	0	3	0
## 678	-1.21213	1.46191	-0.71126	5	4	6	0

## 679	-0.01729	-2.04506	-0.71126	6	6	6	3
## 680	-0.60633	0.12331	0.88113	6	0	6	0
## 681	0.28783	0.58489	-1.37983	6	0	6	0
## 682	-0.15487	-0.65253	-1.37983	3	2	3	0
## 683	-1.21213	-1.51840	1.29221	4	0	6	0
## 684	-0.45321	-0.78155	0.88113	6	5	6	0
## 685	-0.30172	-0.89891	0.88113	5	0	6	0
## 686	0.94156	0.25953	-1.37983	4	1	5	0
## 687	-1.21213	0.58489	0.88113	2	2	6	0
## 688	-0.01729	-0.14277	1.86203	6	1	6	0
## 689	-1.47955	-0.14277	0.52975	6	0	6	1
## 690	0.13136	0.41594	-0.71126	4	0	5	0
## 691	-0.30172	-0.52745	-0.71126	6	0	6	0
## 692	0.43852	0.58489	-1.37983	6	1	6	0
## 693	-0.60633	-0.27607	0.19268	5	1	6	0
## 694	1.28610	1.81175	-0.71126	6	0	5	0
## 695	-1.47955	1.46191	-0.21712	5	1	6	0
## 696	1.61108	-0.00665	-0.71126	4	0	6	0
## 697	-0.01729	-0.65253	-0.21712	6	5	6	1
## 698	0.28783	-1.01450	-0.21712	6	2	6	0
## 699	-0.91699	0.12331	1.29221	5	2	6	1
## 700	0.76096	1.13407	-0.71126	1	1	6	0
## 701	-0.30172	-0.00665	0.88113	3	1	4	0
## 702	-0.91699	-0.14277	-0.71126	6	0	6	0
## 703	-0.60633	0.25953	-0.71126	6	1	1	1
## 704	2.03972	0.12331	-0.71126	3	2	4	0
## 705	-0.45321	0.25953	0.52975	4	0	4	0
## 706	-0.15487	-0.52745	0.52975	5	2	6	0
## 707	0.76096	1.13407	-1.37983	5	0	6	0
## 708	0.59042	0.41594	-0.71126	3	0	6	0
## 709	-0.60633	-1.25773	0.19268	5	2	3	0
## 710	1.11406	0.41594	-1.37983	3	0	3	0
## 711	0.13136	1.13407	-0.21712	4	3	5	0
## 712	1.81866	-0.00665	0.88113	6	5	6	0
## 713	-1.07533	-0.27607	0.88113	5	0	6	0
## 714	1.81866	0.25953	-0.21712	5	3	6	2
## 715	-0.60633	-1.78169	1.29221	3	0	6	0
## 716	0.13136	0.25953	-0.71126	5	1	4	0
## 717	-0.60633	-0.27607	1.86203	5	2	5	0
## 718	-0.45321	-0.40581	0.52975	5	1	6	0
## 719	-0.15487	1.13407	0.88113	6	4	6	2
## 720	0.76096	0.12331	-0.71126	4	2	6	0
## 721	-0.60633	-0.40581	-1.37983	1	1	6	1
## 722	0.94156	0.58489	0.19268	5	0	5	0
## 723	0.76096	-0.40581	0.19268	4	3	6	0
## 724	1.61108	0.25953	-0.21712	5	2	6	0
## 725	-1.21213	-0.52745	-0.71126	6	0	6	0
## 726	0.13136	-0.14277	0.19268	5	0	5	0
## 727	-0.30172	-1.51840	0.19268	4	0	3	0
## 728	-0.60633	0.12331	1.29221	6	2	6	2
## 729	-0.01729	-0.00665	-0.21712	5	1	6	0
## 730	-0.15487	-0.52745	0.19268	4	4	4	0
## 731	-0.15487	-0.00665	-0.71126	6	0	6	0
## 732	-0.30172	-0.27607	-0.21712	5	2	6	0

## 733	-1.47955	-1.78169	0.88113	6	3	5	0
## 734	1.61108	-0.65253	1.29221	4	3	6	2
## 735	-1.47955	-1.13788	-1.37983	6	2	6	0
## 736	0.13136	2.33337	0.52975	5	2	6	0
## 737	1.28610	0.58489	-0.71126	4	0	6	0
## 738	-0.45321	-0.52745	0.19268	6	2	6	0
## 739	1.28610	-0.65253	0.88113	5	3	6	0
## 740	0.76096	1.63088	0.52975	6	1	6	0
## 741	-0.91699	-0.89891	-1.37983	5	0	5	0
## 742	-0.91699	0.75830	0.52975	1	0	0	0
## 743	0.59042	-1.51840	1.29221	5	0	6	0
## 744	0.43852	-0.40581	-0.71126	6	0	6	0
## 745	0.28783	0.41594	-0.71126	4	0	6	0
## 746	-0.01729	-1.78169	0.19268	2	6	6	0
## 747	1.61108	2.04506	-0.21712	5	0	6	0
## 748	1.11406	-0.14277	-0.21712	5	0	6	0
## 749	1.11406	1.30612	-0.21712	6	2	6	0
## 750	1.45039	-1.78169	1.86203	6	3	3	0
## 751	1.28610	0.41594	0.19268	5	2	6	0
## 752	1.11406	-0.52745	0.19268	4	1	6	0
## 753	0.76096	2.63199	-0.71126	5	4	6	3
## 754	0.13136	0.75830	-0.21712	5	0	5	0
## 755	0.76096	-2.18109	1.29221	6	6	5	0
## 756	-0.15487	-0.27607	0.52975	3	3	6	0
## 757	1.11406	0.25953	-0.71126	6	0	6	0
## 758	-0.45321	-0.65253	0.19268	6	2	6	3
## 759	-0.45321	-2.42317	2.90161	6	0	6	0
## 760	1.11406	0.12331	-0.21712	6	6	5	0
## 761	0.94156	-1.51840	0.88113	5	0	5	0
## 762	0.59042	-1.01450	0.52975	5	0	4	0
## 763	0.76096	-0.00665	0.19268	4	2	6	0
## 764	2.23427	-0.65253	0.52975	6	3	6	2
## 765	-0.76096	-0.27607	-0.71126	6	2	6	2
## 766	-0.30172	0.75830	1.29221	4	6	6	0
## 767	0.43852	0.75830	-1.37983	6	2	6	0
## 768	-0.01729	-0.89891	1.86203	3	3	3	0
## 769	0.94156	0.25953	0.52975	0	0	6	0
## 770	-0.60633	-1.78169	0.19268	6	5	6	1
## 771	-0.30172	-0.52745	-0.21712	1	1	4	1
## 772	0.28783	-0.00665	-0.71126	4	2	6	2
## 773	-0.30172	-1.78169	0.19268	4	0	6	0
## 774	-0.30172	-0.00665	-0.71126	3	6	6	3
## 775	-0.60633	-0.52745	0.19268	6	4	6	0
## 776	-0.45321	-0.65253	0.88113	4	6	5	0
## 777	0.59042	-0.40581	0.19268	5	3	6	1
## 778	0.43852	-0.00665	-1.37983	4	3	3	2
## 779	-1.34289	-0.78155	0.19268	6	0	6	0
## 780	-0.01729	-1.13788	1.86203	3	3	6	2
## 781	0.43852	-0.52745	0.52975	6	3	3	0
## 782	-0.01729	1.13407	-0.21712	6	5	5	0
## 783	-0.01729	0.25953	-0.21712	4	2	5	0
## 784	-0.30172	-1.64101	0.88113	3	3	4	0
## 785	-0.76096	0.12331	1.29221	6	1	6	1
## 786	-0.60633	-1.13788	1.86203	5	0	5	0

## 787	0.13136	0.75830	0.19268	3	0	6	0
## 788	-0.60633	-0.78155	1.29221	5	3	6	0
## 789	-1.62090	-0.14277	1.29221	5	3	6	0
## 790	-1.07533	-1.38502	-0.71126	5	5	6	3
## 791	-0.60633	-0.00665	1.29221	5	2	6	0
## 792	1.28610	-0.52745	0.19268	6	1	6	0
## 793	-0.60633	1.13407	-0.71126	3	3	6	0
## 794	0.43852	-0.14277	-0.21712	3	6	5	5
## 795	0.59042	1.30612	-0.71126	5	3	4	0
## 796	-0.30172	0.75830	-0.21712	6	3	6	0
## 797	0.43852	-0.65253	1.86203	5	2	6	1
## 798	0.43852	2.04506	-0.21712	4	3	6	0
## 799	0.59042	-1.01450	0.52975	3	5	6	0
## 800	-0.76096	-0.65253	0.88113	5	4	6	0
## 801	0.76096	-0.27607	-1.37983	6	6	6	3
## 802	0.94156	-0.00665	-0.21712	5	2	6	0
## 803	-1.77200	0.41594	0.52975	6	4	6	6
## 804	-0.45321	-0.89891	1.29221	2	6	6	3
## 805	0.59042	-0.89891	1.86203	5	0	6	0
## 806	-1.07533	-0.52745	0.88113	6	0	6	0
## 807	0.76096	-1.51840	-1.37983	3	3	6	3
## 808	1.81866	-0.14277	-0.21712	5	0	4	0
## 809	-0.91699	-0.40581	-0.71126	3	0	3	0
## 810	-1.92595	-1.64101	0.88113	6	4	6	1
## 811	-1.34289	-0.89891	1.29221	4	0	6	3
## 812	-1.62090	0.41594	-0.21712	3	2	6	5
## 813	-0.91699	0.25953	0.52975	5	3	6	0
## 814	-0.91699	-1.01450	1.86203	5	2	5	3
## 815	0.43852	0.75830	-0.21712	3	0	1	3
## 816	2.46262	0.25953	-0.71126	4	3	4	3
## 817	-0.30172	-1.13788	0.19268	5	2	6	0
## 818	0.13136	0.41594	0.88113	3	0	6	0
## 819	-0.15487	0.12331	0.88113	5	4	6	0
## 820	-0.45321	0.41594	-0.21712	6	0	5	0
## 821	0.28783	-0.40581	0.88113	4	0	6	0
## 822	-2.07848	-2.04506	1.29221	5	0	6	0
## 823	0.94156	-1.38502	-0.71126	5	6	6	0
## 824	-1.07533	1.30612	-0.21712	6	2	6	6
## 825	-1.21213	-0.78155	0.52975	3	6	6	4
## 826	-0.76096	-0.40581	0.19268	6	2	6	0
## 827	0.59042	0.12331	-1.37983	5	3	3	0
## 828	1.28610	-0.27607	-1.37983	4	3	6	0
## 829	0.94156	-0.14277	0.19268	6	6	6	0
## 830	0.59042	-0.14277	-0.21712	4	0	6	0
## 831	0.13136	0.58489	0.52975	6	3	6	0
## 832	-0.76096	-0.78155	0.88113	6	6	4	0
## 833	-0.30172	0.58489	-0.21712	5	0	6	0
## 834	-0.15487	-0.14277	-0.21712	6	3	6	0
## 835	-0.30172	-1.51840	0.19268	4	0	6	0
## 836	-1.21213	0.25953	0.19268	3	6	6	0
## 837	0.43852	0.93949	1.29221	4	0	4	0
## 838	0.13136	-1.51840	1.29221	6	0	6	0
## 839	-2.78793	-0.00665	0.88113	5	6	6	3
## 840	-0.45321	-1.25773	1.86203	4	4	6	0

## 841	1.81866	1.30612	-0.21712	3	2	5	0
## 842	-1.07533	-0.27607	-1.37983	6	1	6	1
## 843	1.11406	-0.52745	0.19268	5	0	4	0
## 844	-0.15487	0.25953	-1.37983	6	0	6	0
## 845	1.11406	-0.65253	0.19268	2	6	5	0
## 846	-1.92595	-0.89891	0.52975	3	6	6	4
## 847	-1.07533	-0.40581	1.29221	6	6	6	0
## 848	1.28610	0.41594	0.19268	4	0	6	0
## 849	-0.30172	0.41594	0.19268	5	0	6	0
## 850	0.94156	0.12331	0.52975	0	2	6	0
## 851	-1.21213	-1.25773	0.19268	2	2	6	2
## 852	0.13136	-0.27607	0.19268	5	5	6	2
## 853	-0.15487	-1.01450	1.29221	5	0	6	0
## 854	-1.07533	-1.13788	0.52975	5	4	5	5
## 855	1.61108	0.41594	-0.21712	2	3	2	0
## 856	0.59042	2.04506	0.88113	5	5	4	3
## 857	-1.92595	-1.64101	0.19268	4	6	6	6
## 858	-0.15487	0.93949	0.88113	5	5	6	0
## 859	-1.07533	-1.25773	2.90161	3	6	4	2
## 860	-0.45321	-1.78169	1.29221	6	0	6	0
## 861	-0.60633	-0.40581	1.86203	6	2	3	0
## 862	0.76096	0.93949	-0.71126	0	0	5	0
## 863	-1.62090	-0.65253	-0.71126	6	1	6	0
## 864	-0.60633	-0.78155	0.88113	5	0	6	0
## 865	0.59042	-0.78155	0.19268	5	5	2	0
## 866	0.76096	2.04506	0.52975	6	3	6	0
## 867	0.94156	1.63088	-0.71126	5	3	5	0
## 868	-0.30172	-1.78169	1.29221	3	1	6	1
## 869	-0.45321	1.13407	0.88113	6	2	6	2
## 870	-1.62090	-1.01450	0.52975	5	4	6	0
## 871	0.59042	-0.27607	-0.71126	5	0	6	0
## 872	-0.76096	-2.42317	-0.71126	4	0	6	0
## 873	0.28783	-1.01450	0.52975	5	6	6	0
## 874	-0.01729	-0.78155	1.86203	5	6	6	0
## 875	-1.92595	-0.40581	2.90161	3	5	5	4
## 876	0.43852	-2.18109	1.86203	5	3	5	0
## 877	-0.01729	0.12331	0.88113	5	3	6	0
## 878	-0.15487	-0.14277	1.29221	6	6	6	0
## 879	-0.45321	-1.38502	0.19268	5	4	5	4
## 880	-0.60633	-0.78155	1.86203	4	6	6	3
## 881	-0.91699	-0.14277	0.52975	2	2	6	2
## 882	0.28783	-0.65253	0.19268	6	3	6	2
## 883	0.76096	-0.14277	-0.21712	5	6	6	0
## 884	-0.01729	-0.14277	0.19268	4	2	6	0
## 885	-0.30172	-0.00665	0.88113	4	0	6	0
## 886	1.45039	0.12331	0.19268	6	3	6	0
## 887	1.81866	-0.78155	0.19268	5	0	5	0
## 888	1.11406	0.58489	-0.71126	5	0	4	0
## 889	0.59042	0.58489	-0.71126	4	3	6	0
## 890	-0.01729	0.93949	-0.21712	5	6	6	3
## 891	-2.35413	-0.14277	0.52975	3	3	4	0
## 892	-3.00537	-1.51840	1.29221	4	4	6	2
## 893	-1.07533	-2.30408	0.52975	6	3	6	1
## 894	-2.35413	-0.27607	0.52975	5	3	3	0

## 895	0.13136	-0.65253	-0.71126	4	2	6	0
## 896	0.13136	0.41594	-0.21712	5	4	6	0
## 897	-0.45321	-1.01450	1.86203	6	0	6	0
## 898	-0.91699	-1.01450	2.90161	6	0	6	0
## 899	-3.46436	-0.14277	0.52975	5	6	6	4
## 900	-0.60633	-0.89891	0.52975	5	0	6	0
## 901	-0.60633	-1.13788	0.52975	6	2	5	6
## 902	0.43852	-0.65253	0.88113	4	6	6	3
## 903	-1.07533	0.41594	-1.37983	6	0	6	0
## 904	-2.35413	-1.13788	0.88113	2	3	6	6
## 905	-0.01729	2.04506	-0.71126	5	2	6	0
## 906	-1.34289	0.41594	0.52975	4	5	6	0
## 907	0.76096	-0.78155	-1.37983	5	4	6	0
## 908	-1.34289	-0.00665	0.88113	5	5	4	3
## 909	-0.91699	-1.78169	1.86203	6	0	3	0
## 910	-0.01729	-1.38502	0.52975	4	4	5	5
## 911	-1.34289	-0.78155	-0.21712	4	0	6	0
## 912	-1.62090	0.75830	-0.71126	3	0	6	0
## 913	0.94156	0.93949	0.19268	5	0	6	0
## 914	-2.21844	-3.15735	1.86203	5	4	6	0
## 915	-0.45321	0.93949	-0.71126	6	6	5	3
## 916	-0.15487	-0.52745	0.19268	4	3	3	4
## 917	1.61108	0.41594	0.52975	3	0	6	0
## 918	-0.30172	-1.01450	1.86203	6	4	6	5
## 919	-0.76096	0.12331	1.29221	5	0	6	1
## 920	-1.34289	0.41594	-0.21712	6	4	4	0
## 921	0.43852	-1.13788	-0.21712	3	4	6	0
## 922	-1.21213	-1.13788	0.19268	3	0	6	0
## 923	-1.07533	-0.78155	1.29221	3	0	6	2
## 924	0.13136	-0.89891	0.52975	3	3	6	3
## 925	1.11406	-0.65253	-0.21712	5	2	5	0
## 926	-0.76096	-0.27607	-0.21712	5	0	5	0
## 927	1.61108	0.58489	0.19268	4	1	6	0
## 928	0.28783	-0.27607	0.52975	4	5	6	0
## 929	0.13136	-0.65253	-1.37983	3	2	6	0
## 930	0.94156	0.41594	0.52975	4	2	6	1
## 931	1.11406	-0.78155	-0.21712	3	2	6	4
## 932	0.59042	2.04506	-0.71126	5	0	6	0
## 933	0.28783	-0.78155	1.86203	5	3	5	4
## 934	0.13136	-0.78155	0.52975	4	0	6	0
## 935	-0.01729	-0.40581	0.52975	3	5	5	0
## 936	0.59042	-0.89891	0.88113	6	0	5	0
## 937	-0.60633	0.75830	-0.71126	5	0	5	0
## 938	-1.47955	-0.14277	-0.21712	6	0	3	0
## 939	-0.76096	1.46191	0.19268	5	3	5	0
## 940	1.28610	1.30612	-0.21712	4	2	5	0
## 941	0.43852	-1.13788	0.88113	3	3	6	4
## 942	0.76096	-1.25773	1.29221	3	2	6	3
## 943	1.45039	-0.89891	-0.71126	4	0	6	0
## 944	-0.76096	-1.51840	0.88113	4	6	6	0
## 945	-0.30172	-1.64101	1.29221	6	2	6	0
## 946	-0.30172	0.75830	-1.37983	2	2	6	0
## 947	0.13136	-1.51840	0.88113	5	1	6	0
## 948	-0.45321	-0.65253	-0.21712	6	2	6	2

## 949	0.59042	-0.14277	2.90161	3	3	4	0
## 950	-0.30172	-0.27607	1.86203	5	5	5	0
## 951	-0.30172	-1.64101	0.52975	5	0	6	0
## 952	-0.15487	-0.78155	-0.71126	0	0	5	0
## 953	-1.47955	-2.90161	1.86203	4	5	5	4
## 954	0.13136	0.41594	-0.71126	5	6	6	1
## 955	1.28610	1.30612	-0.71126	6	0	6	0
## 956	-1.21213	2.04506	-0.21712	5	0	5	0
## 957	1.11406	-0.65253	0.52975	5	0	6	0
## 958	2.03972	-0.40581	-0.21712	5	6	6	1
## 959	0.28783	-0.27607	1.86203	5	3	5	0
## 960	0.76096	-1.13788	0.88113	5	3	6	5
## 961	0.13136	-0.00665	0.19268	5	3	6	6
## 962	0.76096	0.25953	-0.21712	5	3	6	0
## 963	0.43852	-0.27607	0.19268	5	1	6	0
## 964	0.28783	0.41594	0.19268	5	2	6	0
## 965	1.11406	0.25953	-0.71126	4	3	6	0
## 966	1.45039	-0.40581	1.29221	5	0	6	0
## 967	-1.47955	0.93949	-0.21712	6	0	3	0
## 968	1.11406	0.75830	0.52975	6	1	6	1
## 969	-0.60633	-0.52745	0.88113	5	1	4	0
## 970	-1.07533	0.93949	-0.21712	6	4	6	0
## 971	0.13136	-0.52745	-0.71126	6	0	6	0
## 972	1.45039	0.58489	-0.71126	6	2	6	0
## 973	-1.21213	-0.78155	0.52975	5	0	2	0
## 974	0.76096	0.75830	0.52975	1	0	1	0
## 975	0.59042	-0.00665	-0.21712	0	2	6	0
## 976	1.61108	-0.40581	1.29221	5	4	6	0
## 977	-0.15487	0.75830	-0.71126	6	1	6	0
## 978	-0.60633	-0.27607	-0.71126	4	1	5	0
## 979	-0.76096	0.41594	-0.21712	4	0	4	0
## 980	-0.91699	-1.01450	0.88113	6	6	6	0
## 981	-1.77200	1.13407	0.52975	5	1	6	3
## 982	0.94156	-0.14277	0.88113	6	3	6	0
## 983	-0.45321	-0.89891	0.52975	5	3	6	0
## 984	-0.45321	0.25953	0.88113	5	6	6	6
## 985	-1.34289	-2.18109	1.29221	4	0	6	0
## 986	-0.01729	-0.89891	-0.71126	4	3	5	0
## 987	-1.07533	-0.27607	1.29221	5	6	6	2
## 988	0.13136	-0.40581	0.88113	6	4	6	6
## 989	-0.76096	-1.78169	1.86203	5	4	6	0
## 990	0.13136	-0.00665	-0.21712	3	1	6	1
## 991	2.23427	1.13407	-0.21712	5	2	6	0
## 992	0.94156	-0.78155	0.52975	5	5	6	2
## 993	-0.91699	-0.14277	0.52975	5	0	4	0
## 994	0.43852	0.75830	0.88113	5	2	5	0
## 995	-0.60633	0.93949	-0.21712	6	0	6	0
## 996	-0.15487	0.93949	-0.21712	3	6	6	0
## 997	0.13136	1.46191	-0.71126	4	3	5	4
## 998	-0.15487	-0.65253	1.29221	5	0	6	0
## 999	-2.35413	-0.89891	1.29221	5	6	5	4
## 1000	0.43852	0.75830	-1.37983	4	1	6	0
## 1001	-1.47955	0.25953	-1.37983	3	0	6	0
## 1002	-0.45321	-3.46436	-0.21712	5	0	6	0

## 1003	-0.01729	-1.64101	1.29221	5	3	6	0
## 1004	0.13136	-0.89891	-0.71126	3	0	4	0
## 1005	0.94156	-0.00665	0.19268	4	0	4	0
## 1006	-0.45321	-1.13788	-0.21712	6	6	4	0
## 1007	-0.30172	-0.27607	0.52975	5	6	4	0
## 1008	-0.01729	0.41594	-2.55524	6	0	4	0
## 1009	1.28610	-0.78155	0.19268	6	0	6	0
## 1010	-0.76096	-1.38502	0.19268	6	6	5	2
## 1011	0.13136	-0.14277	0.19268	5	4	6	0
## 1012	0.43852	-0.65253	1.86203	5	3	6	2
## 1013	0.76096	1.30612	-1.37983	1	6	6	1
## 1014	0.13136	1.63088	0.19268	6	0	6	0
## 1015	-1.62090	-2.57309	0.88113	6	4	6	2
## 1016	0.43852	1.13407	-0.71126	5	0	6	0
## 1017	-1.47955	-0.00665	-0.21712	0	4	6	0
## 1018	-0.45321	-0.78155	0.19268	3	6	6	5
## 1019	-1.92595	0.75830	-0.21712	6	3	5	0
## 1020	-0.45321	-2.42317	-0.71126	5	0	2	0
## 1021	-0.91699	-0.40581	-0.21712	5	0	4	0
## 1022	-1.07533	-2.42317	1.29221	6	4	6	0
## 1023	0.59042	-0.65253	0.88113	4	6	6	0
## 1024	-0.30172	-0.40581	-0.21712	5	0	2	0
## 1025	-0.91699	-0.00665	0.19268	2	0	6	2
## 1026	-0.01729	0.58489	1.29221	5	2	6	1
## 1027	0.59042	1.30612	-0.21712	5	3	5	0
## 1028	-1.07533	-0.40581	-0.21712	5	2	6	0
## 1029	1.11406	-0.00665	0.19268	3	4	6	0
## 1030	-1.07533	-1.38502	1.29221	3	2	3	2
## 1031	-0.60633	-0.27607	0.19268	6	3	6	0
## 1032	-0.60633	-1.01450	0.52975	6	3	6	0
## 1033	-0.01729	-0.52745	0.52975	6	3	6	0
## 1034	-0.15487	-0.27607	1.29221	6	0	6	3
## 1035	0.59042	0.75830	-1.37983	4	4	6	0
## 1036	2.75696	-0.78155	-0.21712	6	0	6	0
## 1037	2.23427	1.13407	0.52975	5	0	6	0
## 1038	-0.76096	0.41594	-0.71126	6	3	6	0
## 1039	-0.15487	-1.01450	0.88113	6	1	6	0
## 1040	-1.34289	-1.38502	1.86203	6	0	6	0
## 1041	0.94156	-0.52745	0.88113	5	3	6	0
## 1042	0.76096	-0.65253	-1.37983	6	0	6	0
## 1043	0.94156	-0.89891	1.29221	6	3	6	0
## 1044	-2.53830	-1.25773	1.29221	5	0	6	3
## 1045	-0.01729	0.25953	-1.37983	5	3	5	0
## 1046	-0.76096	0.58489	0.88113	6	0	6	0
## 1047	0.28783	-0.52745	-0.21712	5	0	6	0
## 1048	1.61108	-0.65253	0.88113	5	3	6	0
## 1049	-1.92595	0.25953	0.19268	5	2	6	0
## 1050	-0.30172	-0.27607	-0.21712	5	0	6	0
## 1051	-1.92595	-2.04506	1.29221	6	5	5	5
## 1052	-0.30172	-0.40581	-0.21712	5	0	4	0
## 1053	-0.60633	0.58489	0.19268	6	2	5	0
## 1054	0.59042	1.46191	-1.37983	4	2	5	0
## 1055	-1.77200	-1.38502	0.19268	4	5	5	0
## 1056	-0.45321	-0.40581	0.52975	5	4	6	0

## 1057	0.94156	-0.27607	-0.71126	5	0	6	0
## 1058	0.59042	0.93949	-1.37983	5	1	2	1
## 1059	0.13136	0.75830	1.29221	2	0	4	0
## 1060	-0.15487	-0.52745	1.29221	5	0	5	0
## 1061	-1.47955	0.41594	-0.21712	5	2	4	0
## 1062	0.59042	0.58489	-0.21712	5	4	6	0
## 1063	1.11406	-1.13788	0.88113	4	0	4	0
## 1064	0.28783	1.63088	-1.37983	5	0	6	0
## 1065	-0.30172	-0.27607	-2.55524	3	0	6	0
## 1066	-0.01729	-0.89891	0.88113	6	0	5	0
## 1067	2.03972	2.04506	-1.37983	6	0	5	0
## 1068	-0.15487	1.30612	-0.21712	6	0	6	0
## 1069	-0.60633	0.12331	0.88113	5	0	6	0
## 1070	0.13136	-1.38502	-0.21712	5	0	6	0
## 1071	0.28783	-0.40581	-0.71126	2	0	6	0
## 1072	-0.30172	1.46191	-1.37983	5	0	3	0
## 1073	-0.45321	-0.14277	0.19268	6	0	5	0
## 1074	1.28610	-0.27607	-0.71126	3	0	5	0
## 1075	0.13136	-0.14277	-1.37983	4	0	6	0
## 1076	-0.91699	0.25953	0.19268	3	1	6	0
## 1077	-0.45321	0.25953	-0.21712	4	0	6	0
## 1078	0.13136	-1.13788	-1.37983	4	0	5	0
## 1079	0.28783	0.58489	0.52975	6	0	6	0
## 1080	1.11406	1.30612	-0.21712	5	0	6	0
## 1081	0.28783	-0.52745	-0.21712	5	0	6	0
## 1082	-0.45321	-1.25773	-0.71126	6	0	6	0
## 1083	0.28783	0.41594	-1.37983	5	2	6	0
## 1084	-0.15487	1.81175	0.52975	6	0	5	0
## 1085	0.43852	0.58489	-0.71126	6	2	6	0
## 1086	-0.30172	0.25953	-1.37983	3	0	6	0
## 1087	-0.30172	0.25953	0.19268	6	0	6	0
## 1088	0.59042	0.93949	0.19268	6	6	6	0
## 1089	1.11406	-0.27607	-1.37983	6	2	6	0
## 1090	2.46262	-0.52745	1.29221	5	0	6	0
## 1091	1.11406	0.12331	0.19268	4	3	6	0
## 1092	-1.21213	-1.25773	0.19268	3	4	6	0
## 1093	-0.60633	0.58489	0.88113	6	2	6	0
## 1094	-0.01729	0.93949	0.88113	5	0	4	0
## 1095	-0.01729	0.12331	-0.21712	5	0	6	0
## 1096	1.81866	-1.13788	-0.21712	5	2	5	0
## 1097	0.13136	-0.65253	0.88113	3	2	6	2
## 1098	-0.91699	-0.65253	-1.37983	4	0	6	0
## 1099	0.43852	0.58489	-0.21712	5	2	5	0
## 1100	0.28783	-1.78169	0.19268	6	4	6	0
## 1101	-0.30172	1.30612	-0.71126	5	0	6	0
## 1102	-0.45321	-0.40581	-0.21712	6	0	5	0
## 1103	-0.91699	-1.78169	0.19268	5	0	5	0
## 1104	-1.21213	-2.04506	-1.37983	6	3	6	0
## 1105	2.23427	1.63088	-1.37983	4	0	6	0
## 1106	-1.21213	-1.01450	0.19268	5	3	3	2
## 1107	-0.15487	-0.52745	1.86203	5	4	5	0
## 1108	1.28610	-0.27607	0.19268	6	5	6	0
## 1109	0.13136	-1.64101	0.88113	5	3	6	1
## 1110	2.23427	1.46191	-1.37983	5	0	6	0

## 1111	0.28783	-1.25773	1.29221	6	6	6	0
## 1112	-1.07533	0.58489	-0.71126	5	0	6	0
## 1113	1.28610	2.04506	-0.21712	5	0	6	0
## 1114	-2.53830	-0.27607	0.88113	3	1	6	3
## 1115	-0.15487	-1.38502	1.29221	5	0	6	0
## 1116	-0.91699	-0.65253	-0.71126	6	4	6	0
## 1117	1.11406	-0.27607	0.52975	6	6	6	0
## 1118	-1.77200	-1.01450	0.88113	4	5	4	0
## 1119	0.43852	0.75830	0.19268	5	2	6	0
## 1120	-0.76096	-0.27607	0.19268	2	5	6	3
## 1121	-0.01729	-0.40581	-0.71126	3	2	6	0
## 1122	-0.01729	-1.25773	0.52975	6	6	6	0
## 1123	0.43852	-0.00665	1.29221	6	2	4	0
## 1124	-0.15487	-2.30408	-0.21712	4	4	6	3
## 1125	-1.62090	0.58489	-0.21712	3	1	6	0
## 1126	0.28783	-0.78155	0.52975	4	3	6	2
## 1127	1.11406	-1.25773	0.88113	5	5	6	0
## 1128	1.61108	-1.78169	-0.21712	5	0	3	0
## 1129	-0.01729	-1.92173	1.29221	6	3	4	5
## 1130	-2.07848	-1.78169	1.86203	4	0	6	5
## 1131	-1.21213	-0.27607	-0.21712	6	2	6	2
## 1132	1.11406	0.25953	1.29221	3	3	3	0
## 1133	-0.91699	-0.52745	1.86203	5	5	6	0
## 1134	-1.34289	-1.64101	1.29221	3	3	6	3
## 1135	-0.01729	0.41594	-1.37983	5	0	6	0
## 1136	0.59042	-1.25773	-0.21712	5	0	6	0
## 1137	-3.15735	-0.52745	1.86203	6	3	6	2
## 1138	1.45039	-0.27607	-0.21712	6	2	5	3
## 1139	-1.07533	-1.51840	0.52975	4	2	6	0
## 1140	-0.15487	0.58489	0.52975	4	1	6	2
## 1141	1.45039	-1.13788	-0.21712	6	3	6	0
## 1142	-0.30172	-0.65253	0.19268	1	1	6	0
## 1143	-1.21213	-2.18109	-0.21712	5	4	6	0
## 1144	-0.01729	-1.01450	-0.71126	5	6	6	0
## 1145	-1.47955	0.93949	-0.21712	5	6	6	0
## 1146	-1.47955	-1.25773	0.88113	3	3	6	0
## 1147	-0.60633	-0.65253	0.52975	5	4	6	2
## 1148	0.43852	0.93949	-0.71126	1	6	5	2
## 1149	1.11406	0.41594	0.19268	4	6	6	2
## 1150	-0.30172	-1.25773	0.88113	1	3	6	1
## 1151	-1.21213	-0.27607	0.52975	3	0	6	0
## 1152	-0.15487	-1.92173	0.52975	4	3	4	0
## 1153	0.76096	-0.52745	0.19268	6	2	6	0
## 1154	1.61108	-0.52745	-0.21712	6	2	6	0
## 1155	-0.60633	0.41594	-0.21712	3	2	3	0
## 1156	0.43852	-0.40581	1.29221	4	5	5	0
## 1157	-1.21213	0.93949	-0.71126	3	2	6	0
## 1158	-0.01729	-1.13788	0.19268	6	2	4	0
## 1159	-0.91699	0.12331	0.52975	5	6	6	0
## 1160	0.13136	0.25953	0.52975	5	3	4	3
## 1161	0.94156	2.04506	-0.71126	5	0	6	0
## 1162	0.13136	0.41594	0.19268	4	5	6	0
## 1163	-0.60633	1.13407	0.88113	5	0	4	0
## 1164	0.76096	-1.78169	1.86203	6	0	6	0

## 1165	-0.30172	0.58489	-0.21712	5	1	6	0
## 1166	-0.76096	-1.01450	0.88113	6	2	6	0
## 1167	-1.92595	-1.01450	0.52975	5	6	6	0
## 1168	1.28610	0.25953	-0.71126	6	0	6	1
## 1169	-0.76096	0.12331	-0.71126	3	0	6	0
## 1170	0.59042	0.93949	0.88113	5	3	6	4
## 1171	0.59042	0.58489	-1.37983	4	0	6	0
## 1172	-0.30172	1.13407	-0.21712	4	5	6	3
## 1173	-0.91699	1.13407	1.86203	6	6	6	0
## 1174	0.76096	-0.27607	-0.21712	3	3	6	0
## 1175	-1.34289	-0.89891	-1.37983	5	2	2	0
## 1176	1.61108	0.12331	1.29221	5	0	6	0
## 1177	-2.78793	-1.25773	1.86203	4	6	6	3
## 1178	0.76096	-0.27607	-0.21712	0	3	6	0
## 1179	-0.60633	-0.27607	-0.71126	2	0	3	0
## 1180	-0.45321	-1.01450	0.19268	5	3	6	0
## 1181	2.23427	-0.78155	0.52975	6	3	6	0
## 1182	-0.30172	1.81175	-0.71126	5	3	6	0
## 1183	0.94156	0.25953	-0.21712	4	1	6	0
## 1184	-0.91699	-0.89891	0.88113	5	5	6	3
## 1185	0.59042	-0.78155	1.86203	6	0	5	0
## 1186	0.43852	-0.00665	0.19268	5	0	6	0
## 1187	-0.45321	-0.00665	-0.21712	6	1	6	1
## 1188	-0.60633	-0.00665	1.29221	4	4	6	0
## 1189	1.81866	0.93949	-0.71126	5	0	6	0
## 1190	0.13136	-2.57309	1.86203	3	6	6	0
## 1191	0.43852	-1.13788	1.86203	6	6	4	0
## 1192	1.61108	-0.52745	0.19268	5	3	4	0
## 1193	-1.07533	0.41594	0.52975	5	2	6	0
## 1194	-0.45321	-1.64101	0.88113	5	3	6	0
## 1195	-0.76096	-0.52745	-0.21712	4	3	6	0
## 1196	-1.92595	-0.27607	0.52975	0	6	3	0
## 1197	-0.01729	0.25953	-1.37983	5	0	6	0
## 1198	0.28783	-1.92173	0.52975	3	0	6	0
## 1199	0.94156	-1.64101	-0.21712	6	0	6	0
## 1200	-0.76096	-0.65253	1.29221	5	4	5	6
## 1201	-1.07533	-0.78155	-0.21712	6	0	6	0
## 1202	-1.34289	-0.27607	0.52975	5	3	6	5
## 1203	-1.07533	-1.13788	0.19268	3	2	6	0
## 1204	-2.07848	-1.38502	1.29221	5	0	5	0
## 1205	1.45039	1.30612	-0.21712	4	0	6	0
## 1206	-2.21844	1.46191	0.88113	6	0	6	4
## 1207	-1.07533	-0.40581	0.52975	3	3	3	0
## 1208	-1.07533	0.75830	0.88113	5	4	6	0
## 1209	-0.60633	-0.78155	0.88113	5	0	6	0
## 1210	-0.45321	-1.01450	-1.37983	5	0	3	0
## 1211	-0.15487	-2.04506	-1.37983	4	6	5	0
## 1212	-0.45321	-0.00665	0.19268	5	4	6	0
## 1213	-0.91699	0.12331	1.29221	6	0	6	0
## 1214	-0.01729	-0.89891	0.88113	6	6	6	2
## 1215	0.13136	-1.38502	0.52975	5	4	6	0
## 1216	-0.91699	-0.00665	0.19268	5	4	5	0
## 1217	-0.76096	-1.01450	0.19268	5	5	5	0
## 1218	-1.21213	-1.51840	-0.71126	4	0	6	0

## 1219	-1.62090	-0.89891	0.88113	4	3	4	2
## 1220	-1.47955	-0.65253	0.88113	6	3	5	0
## 1221	-0.45321	-0.00665	1.29221	5	3	6	0
## 1222	-0.15487	-0.14277	-0.21712	5	0	5	0
## 1223	-0.01729	-0.40581	-0.21712	5	2	5	0
## 1224	0.13136	0.93949	0.19268	6	5	6	0
## 1225	-0.15487	-1.38502	0.52975	5	3	6	0
## 1226	0.59042	-1.51840	-1.37983	2	2	3	1
## 1227	0.13136	0.58489	0.52975	3	0	3	0
## 1228	-0.45321	-0.14277	0.19268	6	3	4	0
## 1229	-2.07848	-0.52745	1.29221	6	2	5	0
## 1230	0.59042	0.41594	0.19268	5	0	6	0
## 1231	0.59042	-0.14277	0.19268	5	4	6	0
## 1232	0.28783	0.58489	-1.37983	4	2	2	0
## 1233	-0.30172	0.58489	-0.21712	5	1	6	0
## 1234	0.59042	-0.00665	-0.21712	5	0	6	0
## 1235	-0.45321	1.30612	0.19268	4	0	6	0
## 1236	1.11406	-0.78155	0.52975	5	2	6	0
## 1237	-1.34289	0.41594	0.52975	6	0	5	0
## 1238	0.59042	-0.00665	0.52975	2	1	6	0
## 1239	-0.15487	-0.89891	-0.21712	6	0	5	0
## 1240	-1.07533	-0.14277	-0.21712	3	2	6	0
## 1241	1.45039	0.93949	-1.37983	4	0	6	0
## 1242	0.13136	-1.38502	-0.71126	6	3	6	0
## 1243	0.13136	2.04506	-1.37983	4	0	5	0
## 1244	1.61108	-1.25773	-1.37983	3	0	6	0
## 1245	-0.45321	-1.25773	0.52975	6	0	6	0
## 1246	1.28610	0.58489	-1.37983	5	0	6	0
## 1247	-0.01729	0.93949	1.86203	5	0	6	0
## 1248	-0.45321	1.13407	-0.71126	6	0	6	0
## 1249	-0.45321	0.75830	0.52975	6	1	6	0
## 1250	-1.07533	-1.38502	-1.37983	5	0	6	0
## 1251	0.28783	-0.27607	-1.37983	6	0	6	0
## 1252	-0.45321	-0.65253	-0.21712	3	0	3	0
## 1253	1.45039	0.12331	-1.37983	6	0	6	0
## 1254	-1.34289	0.58489	0.88113	5	0	6	0
## 1255	-0.91699	-0.00665	-0.71126	6	0	6	0
## 1256	-0.60633	-0.00665	-1.37983	3	0	6	0
## 1257	-1.21213	-0.14277	1.86203	3	0	6	0
## 1258	0.28783	-0.78155	0.19268	5	1	6	0
## 1259	1.11406	-0.78155	1.86203	4	0	6	0
## 1260	0.13136	0.58489	0.52975	6	1	6	0
## 1261	0.28783	0.58489	-0.71126	6	0	6	0
## 1262	0.59042	-0.00665	0.52975	6	0	6	0
## 1263	-0.30172	0.25953	0.19268	5	0	6	0
## 1264	-1.77200	-2.04506	1.29221	5	2	6	0
## 1265	0.59042	0.25953	-1.37983	6	0	6	0
## 1266	-1.62090	-0.00665	0.19268	5	2	5	0
## 1267	1.81866	0.25953	-1.37983	5	0	6	0
## 1268	0.94156	0.12331	-0.71126	3	2	3	0
## 1269	0.76096	-0.52745	0.88113	6	0	6	0
## 1270	0.76096	-1.01450	0.19268	4	0	6	0
## 1271	-1.07533	-0.40581	-0.21712	4	0	5	0
## 1272	-0.30172	0.58489	-0.21712	5	1	6	0

## 1273	0.13136	1.81175	-0.71126	3	6	5	0
## 1274	-0.60633	-1.13788	0.52975	5	3	5	0
## 1275	-0.91699	-0.52745	1.29221	5	2	6	2
## 1276	0.94156	1.13407	-1.37983	4	1	4	1
## 1277	0.28783	-0.52745	0.52975	5	0	5	0
## 1278	-2.21844	0.93949	1.86203	0	0	0	0
## 1279	1.11406	0.41594	-0.21712	4	0	6	0
## 1280	0.13136	-0.27607	-0.71126	4	5	6	0
## 1281	-1.21213	-1.92173	1.86203	4	5	6	0
## 1282	-1.21213	-1.25773	-0.71126	6	0	6	0
## 1283	0.76096	0.25953	1.29221	5	6	4	4
## 1284	-1.47955	-0.52745	1.86203	3	0	5	2
## 1285	-0.45321	-0.14277	0.88113	6	1	6	1
## 1286	-1.07533	-0.40581	-0.21712	4	0	2	0
## 1287	-0.15487	0.75830	-0.21712	5	2	6	0
## 1288	-1.07533	-1.01450	0.19268	5	0	5	0
## 1289	-0.30172	0.12331	1.86203	5	3	6	0
## 1290	-1.62090	-1.25773	1.29221	5	0	6	2
## 1291	-0.76096	1.46191	0.88113	6	2	6	0
## 1292	-0.76096	-1.01450	-0.21712	5	0	6	0
## 1293	0.76096	-1.13788	-0.71126	4	3	6	0
## 1294	-0.91699	1.30612	-0.21712	6	0	6	0
## 1295	-0.15487	-0.52745	0.19268	4	3	3	3
## 1296	-1.34289	-0.52745	0.52975	6	1	6	0
## 1297	0.13136	0.25953	0.52975	3	2	6	0
## 1298	0.28783	-0.65253	-0.21712	3	6	5	2
## 1299	0.94156	1.13407	0.19268	3	0	5	0
## 1300	1.45039	1.13407	-1.37983	5	0	6	0
## 1301	-0.60633	0.41594	-1.37983	5	4	6	0
## 1302	0.94156	-1.38502	1.29221	5	3	5	0
## 1303	-0.01729	-2.42317	0.19268	6	0	6	0
## 1304	-0.60633	0.25953	0.19268	4	6	5	0
## 1305	-0.76096	0.12331	-0.21712	6	0	6	0
## 1306	0.43852	-0.00665	0.52975	5	0	6	0
## 1307	2.23427	0.25953	0.52975	5	2	6	0
## 1308	-0.76096	-0.27607	0.52975	5	3	6	0
## 1309	0.43852	0.75830	-0.21712	6	0	5	0
## 1310	-0.45321	1.81175	-0.71126	6	0	6	0
## 1311	-1.47955	-1.38502	1.86203	6	6	6	0
## 1312	0.94156	1.13407	0.52975	6	2	6	0
## 1313	-0.30172	1.30612	-0.21712	2	5	5	0
## 1314	-1.77200	-0.40581	-0.21712	5	3	6	0
## 1315	-1.34289	0.58489	-0.71126	5	0	6	0
## 1316	0.94156	-0.14277	0.88113	5	3	6	0
## 1317	-0.15487	1.30612	-0.21712	6	1	6	0
## 1318	-0.30172	-0.27607	1.29221	5	0	6	0
## 1319	0.76096	-0.27607	-1.37983	4	6	5	0
## 1320	0.43852	-1.64101	0.19268	5	0	6	0
## 1321	0.28783	1.46191	-0.71126	1	1	6	2
## 1322	0.43852	-1.01450	0.19268	4	0	6	0
## 1323	0.13136	-0.52745	-0.71126	4	4	6	0
## 1324	-0.30172	-0.40581	1.29221	4	0	5	0
## 1325	1.28610	1.13407	0.19268	4	0	6	0
## 1326	1.81866	0.25953	-0.21712	5	3	6	3

## 1327	-1.62090	-1.13788	0.88113	5	0	0	0
## 1328	1.81866	-1.13788	0.52975	5	3	6	3
## 1329	0.13136	-0.65253	-0.71126	2	1	6	0
## 1330	-0.91699	2.33337	-1.37983	4	0	4	0
## 1331	-0.91699	0.25953	0.52975	5	2	5	3
## 1332	2.46262	-0.00665	1.29221	5	0	6	0
## 1333	-0.91699	-0.00665	-0.71126	4	0	6	0
## 1334	0.76096	1.30612	0.19268	6	0	6	0
## 1335	-0.76096	0.75830	0.19268	6	0	4	0
## 1336	-0.60633	0.75830	0.52975	6	3	6	1
## 1337	-0.45321	-2.72827	1.29221	5	2	5	6
## 1338	-0.60633	0.93949	1.86203	5	3	6	5
## 1339	-0.30172	-0.52745	-0.71126	6	0	0	4
## 1340	0.13136	-1.51840	0.52975	3	0	4	0
## 1341	-1.07533	-0.89891	0.88113	5	3	6	0
## 1342	-2.53830	0.93949	-1.37983	5	6	6	0
## 1343	1.28610	0.25953	0.88113	5	0	5	0
## 1344	-0.15487	0.12331	0.19268	6	0	6	0
## 1345	-0.45321	-2.04506	-0.21712	5	3	4	0
## 1346	0.28783	-0.40581	-0.21712	4	3	6	3
## 1347	-1.21213	-1.25773	1.86203	5	2	6	0
## 1348	-0.01729	-0.65253	0.19268	3	3	6	0
## 1349	-0.15487	1.46191	-1.37983	5	0	6	0
## 1350	-1.21213	-0.27607	0.88113	2	6	6	0
## 1351	0.76096	0.12331	0.19268	3	0	6	0
## 1352	-0.15487	-1.25773	0.88113	5	3	6	3
## 1353	0.94156	-0.00665	1.29221	4	4	6	0
## 1354	-0.01729	0.58489	0.88113	6	0	6	0
## 1355	-0.91699	0.41594	0.88113	4	6	6	0
## 1356	-0.45321	-1.38502	0.88113	4	2	5	0
## 1357	-1.07533	0.12331	-0.21712	4	4	5	4
## 1358	-0.01729	1.30612	0.52975	5	0	6	0
## 1359	-1.21213	-2.30408	-0.21712	3	0	6	0
## 1360	0.76096	-1.13788	0.88113	6	6	5	4
## 1361	0.59042	2.04506	-0.21712	5	0	5	0
## 1362	-1.07533	-1.38502	1.29221	5	6	6	0
## 1363	1.11406	-0.89891	0.88113	6	4	6	0
## 1364	-1.77200	-2.18109	1.29221	6	0	6	0
## 1365	0.43852	-1.38502	-1.37983	3	0	5	0
## 1366	-1.47955	-1.13788	0.88113	5	5	5	4
## 1367	0.43852	-0.27607	0.52975	5	0	6	3
## 1368	-1.21213	-1.51840	1.86203	4	3	6	3
## 1369	0.76096	-0.52745	-1.37983	6	0	0	0
## 1370	-0.30172	-1.25773	-1.37983	4	3	6	0
## 1371	0.43852	-0.78155	0.52975	5	3	6	3
## 1372	-0.15487	-0.14277	-1.37983	6	0	6	0
## 1373	0.76096	-1.01450	0.19268	3	0	3	0
## 1374	-1.62090	-0.40581	-0.21712	5	2	6	2
## 1375	1.45039	0.93949	-1.37983	5	0	6	0
## 1376	-0.01729	2.04506	-0.21712	3	4	6	0
## 1377	-0.15487	0.25953	0.88113	5	5	6	0
## 1378	-0.45321	0.58489	-0.71126	5	0	6	0
## 1379	1.81866	1.30612	-0.21712	6	0	4	0
## 1380	1.11406	-1.01450	-0.71126	5	2	6	0

## 1381	0.76096	0.12331	1.29221	5	3	6	0
## 1382	-0.60633	1.46191	-0.21712	5	0	6	0
## 1383	-0.01729	0.58489	-1.37983	5	0	6	0
## 1384	-0.60633	-0.27607	0.19268	6	5	6	2
## 1385	-0.60633	-0.65253	-0.21712	0	0	6	0
## 1386	-0.60633	-0.89891	1.29221	5	4	6	0
## 1387	-0.76096	0.25953	-0.71126	5	2	6	0
## 1388	-0.01729	-0.14277	1.29221	5	0	6	0
## 1389	-0.60633	-1.25773	1.86203	5	4	5	2
## 1390	-0.45321	0.12331	-1.37983	0	0	6	0
## 1391	-0.01729	0.41594	-0.71126	3	0	6	0
## 1392	0.76096	1.46191	-1.37983	3	0	6	0
## 1393	0.76096	0.58489	-0.21712	5	0	6	0
## 1394	1.45039	-0.89891	-1.37983	5	0	6	0
## 1395	1.61108	0.58489	-0.21712	5	2	6	0
## 1396	1.28610	2.04506	0.88113	3	2	5	0
## 1397	-0.45321	-0.27607	-0.71126	5	0	6	0
## 1398	-0.60633	-0.14277	-1.37983	5	0	6	0
## 1399	1.28610	0.41594	-0.71126	5	0	6	0
## 1400	0.94156	-0.52745	-1.37983	6	2	6	0
## 1401	0.13136	0.58489	-1.37983	5	0	6	0
## 1402	2.75696	-0.89891	-2.55524	5	0	4	0
## 1403	0.28783	-0.78155	0.52975	6	2	6	0
## 1404	0.43852	-1.38502	-1.37983	6	0	5	0
## 1405	1.28610	0.41594	0.19268	5	0	6	0
## 1406	0.43852	-1.25773	0.88113	6	0	6	0
## 1407	0.13136	-0.52745	-0.71126	5	2	5	0
## 1408	1.45039	1.30612	-0.71126	3	0	5	0
## 1409	-0.30172	1.46191	-0.21712	5	1	5	0
## 1410	-0.01729	0.25953	-1.37983	5	0	5	0
## 1411	-0.76096	0.75830	-0.71126	5	0	6	0
## 1412	0.59042	0.58489	-0.21712	5	0	6	0
## 1413	-1.77200	-1.64101	0.88113	3	3	6	0
## 1414	0.28783	0.25953	-1.37983	5	4	6	0
## 1415	0.28783	-0.00665	-0.71126	0	0	5	0
## 1416	1.81866	-0.27607	-1.37983	5	0	6	0
## 1417	0.59042	-0.00665	0.19268	6	3	6	0
## 1418	-0.76096	-0.52745	0.88113	4	0	5	0
## 1419	-0.60633	0.25953	-0.21712	6	0	5	0
## 1420	1.11406	-1.01450	0.19268	1	3	4	0
## 1421	0.43852	-0.27607	0.19268	4	2	6	2
## 1422	-0.45321	-1.13788	1.29221	5	0	6	0
## 1423	0.76096	0.58489	0.19268	6	6	5	3
## 1424	-0.15487	-0.00665	1.29221	5	0	5	0
## 1425	0.28783	1.81175	0.88113	6	0	6	0
## 1426	-1.34289	1.13407	0.52975	4	3	6	0
## 1427	0.43852	-0.89891	-0.21712	3	0	6	0
## 1428	-0.60633	-0.14277	0.88113	6	0	6	0
## 1429	-2.21844	-0.65253	1.86203	6	0	6	0
## 1430	-0.45321	0.58489	-0.71126	6	1	6	0
## 1431	2.75696	1.46191	-1.37983	5	0	6	0
## 1432	0.59042	0.25953	-1.37983	2	0	4	0
## 1433	0.28783	0.75830	0.52975	6	1	6	0
## 1434	0.28783	-1.13788	1.86203	5	0	6	0

## 1435	0.43852	-0.14277	-0.71126	3	2	6	2
## 1436	-0.91699	1.13407	-0.71126	5	0	6	3
## 1437	-1.21213	-0.78155	-0.21712	6	0	4	0
## 1438	0.76096	0.41594	-1.37983	6	0	6	0
## 1439	1.45039	1.30612	-0.71126	6	0	6	0
## 1440	1.28610	0.93949	-1.37983	1	0	6	0
## 1441	0.94156	0.58489	-0.71126	6	1	6	0
## 1442	1.81866	0.93949	-0.71126	6	0	5	0
## 1443	0.94156	1.13407	-1.37983	5	0	6	0
## 1444	1.11406	2.04506	0.19268	4	0	6	0
## 1445	-0.60633	1.81175	-0.21712	4	0	2	0
## 1446	1.28610	1.63088	0.52975	5	0	5	0
## 1447	0.59042	0.75830	-0.21712	0	0	6	0
## 1448	-1.07533	1.46191	-0.21712	5	2	5	0
## 1449	1.11406	1.81175	-1.37983	5	0	6	0
## 1450	-1.92595	2.33337	1.29221	3	3	6	3
## 1451	0.43852	1.13407	-1.37983	4	0	5	0
## 1452	0.76096	0.75830	-0.71126	5	0	6	0
## 1453	2.03972	-0.40581	-0.71126	5	4	6	0
## 1454	1.45039	1.63088	-0.71126	5	0	6	0
## 1455	1.81866	0.41594	-1.37983	4	1	6	0
## 1456	0.43852	1.13407	-0.71126	4	0	6	0
## 1457	1.11406	-0.65253	-0.21712	5	2	6	0
## 1458	0.13136	0.75830	0.19268	5	1	6	0
## 1459	0.28783	-0.78155	-0.71126	5	0	6	0
## 1460	0.43852	0.12331	-0.71126	5	0	6	0
## 1461	0.94156	0.41594	-0.21712	6	0	6	0
## 1462	0.76096	-0.52745	0.52975	4	1	5	0
## 1463	-0.91699	-0.14277	0.88113	3	0	5	0
## 1464	-0.15487	0.58489	-1.37983	5	0	5	0
## 1465	1.61108	0.93949	-0.21712	4	1	3	1
## 1466	1.28610	0.12331	-1.37983	4	0	0	0
## 1467	0.76096	-0.27607	-1.37983	5	0	6	0
## 1468	2.46262	0.41594	-1.37983	0	0	6	0
## 1469	0.28783	1.46191	-0.21712	5	2	6	0
## 1470	-1.07533	0.12331	-0.71126	6	0	6	0
## 1471	0.43852	0.12331	-0.71126	6	0	6	0
## 1472	-1.21213	0.75830	1.86203	4	4	6	0
## 1473	-2.35413	-2.30408	1.29221	5	6	5	4
## 1474	-0.45321	0.12331	-0.71126	5	2	6	0
## 1475	-0.30172	-1.25773	-1.37983	6	3	6	0
## 1476	-0.01729	-0.52745	1.86203	6	3	6	2
## 1477	-0.01729	-0.27607	-0.71126	5	3	3	0
## 1478	0.94156	0.12331	-0.71126	3	2	6	2
## 1479	-0.01729	-2.04506	0.88113	4	1	2	1
## 1480	0.13136	0.75830	-0.21712	5	0	6	0
## 1481	1.61108	-0.14277	-0.71126	5	4	5	0
## 1482	0.13136	-1.13788	0.88113	3	1	6	2
## 1483	0.94156	0.58489	-0.71126	5	0	6	0
## 1484	-1.62090	-0.65253	0.52975	6	3	6	0
## 1485	-0.01729	0.75830	-0.71126	5	0	6	0
## 1486	-1.07533	0.58489	1.29221	6	5	6	3
## 1487	-1.77200	-1.25773	1.86203	6	0	6	0
## 1488	-1.47955	1.13407	0.88113	5	1	6	0

## 1489	-0.45321	-0.78155	0.88113	5	0	5	0
## 1490	-0.45321	-1.51840	1.29221	6	4	4	0
## 1491	0.13136	-0.27607	1.29221	4	5	6	0
## 1492	-0.30172	-1.64101	1.29221	5	4	6	0
## 1493	-1.47955	-1.78169	1.86203	5	6	6	0
## 1494	-0.60633	-0.40581	-0.71126	4	2	4	0
## 1495	-0.91699	-0.89891	0.19268	5	5	5	0
## 1496	-0.45321	-1.01450	0.19268	5	4	6	0
## 1497	-0.01729	0.58489	0.88113	5	0	6	0
## 1498	-0.60633	-0.00665	0.52975	5	4	6	3
## 1499	-2.07848	-0.00665	1.86203	4	0	6	0
## 1500	-0.15487	-0.52745	0.19268	6	0	6	0
## 1501	-0.30172	-0.40581	0.19268	6	3	6	2
## 1502	0.13136	-0.52745	1.29221	6	4	6	0
## 1503	1.28610	-0.78155	-0.21712	5	1	6	0
## 1504	0.59042	2.04506	-0.21712	6	0	4	0
## 1505	-0.76096	-2.18109	-0.21712	4	0	6	0
## 1506	-1.77200	-0.40581	0.19268	6	0	6	0
## 1507	0.59042	-0.00665	0.52975	5	1	5	0
## 1508	-0.45321	-0.89891	-1.37983	0	0	6	0
## 1509	0.13136	-1.25773	-0.21712	5	5	6	0
## 1510	-0.60633	-0.14277	-1.37983	6	0	4	0
## 1511	-0.60633	-0.52745	-0.21712	3	0	6	0
## 1512	-0.30172	-1.92173	0.19268	3	2	6	4
## 1513	-1.34289	-1.13788	1.86203	6	5	6	0
## 1514	-1.07533	-0.40581	1.86203	5	4	6	0
## 1515	-0.91699	-0.52745	1.86203	5	3	6	0
## 1516	-0.91699	0.12331	0.19268	6	0	5	0
## 1517	-1.34289	-1.92173	-0.71126	0	2	3	2
## 1518	-0.15487	-1.25773	0.19268	5	3	6	0
## 1519	-0.91699	-1.38502	1.29221	5	5	5	0
## 1520	1.45039	0.41594	-1.37983	3	6	6	0
## 1521	0.13136	-0.65253	1.86203	4	6	6	2
## 1522	0.43852	-1.38502	0.52975	2	2	6	0
## 1523	-1.21213	-0.89891	0.88113	6	4	6	0
## 1524	-0.45321	-0.52745	1.86203	5	3	6	0
## 1525	-1.21213	-1.51840	1.29221	6	3	6	0
## 1526	-1.47955	0.12331	1.29221	6	0	6	0
## 1527	-0.01729	-0.14277	1.29221	5	6	6	0
## 1528	1.28610	-0.52745	0.88113	3	0	6	0
## 1529	0.76096	-0.27607	-0.21712	5	6	6	0
## 1530	-0.15487	-2.57309	0.88113	5	3	5	2
## 1531	-0.60633	-0.00665	0.88113	5	0	6	0
## 1532	0.28783	-0.65253	-0.71126	6	5	5	0
## 1533	-0.60633	-0.52745	-0.71126	5	3	6	0
## 1534	2.03972	1.81175	-1.37983	5	6	6	0
## 1535	0.43852	-1.13788	-0.71126	5	0	6	0
## 1536	-0.45321	2.33337	0.88113	4	0	5	0
## 1537	0.94156	-0.89891	1.29221	6	3	6	3
## 1538	1.45039	0.12331	0.88113	6	0	5	0
## 1539	0.43852	0.93949	0.19268	6	6	6	0
## 1540	-1.34289	-2.04506	0.88113	6	3	4	5
## 1541	-0.76096	-1.64101	1.29221	4	2	5	0
## 1542	0.59042	-0.78155	0.19268	4	4	6	0

## 1543	0.13136	-0.14277	-0.71126	3	0	6	0
## 1544	-0.60633	-1.13788	0.52975	3	0	6	0
## 1545	-0.01729	0.58489	0.52975	3	3	5	0
## 1546	0.28783	1.30612	-1.37983	5	0	6	0
## 1547	0.28783	1.30612	-0.71126	5	0	6	0
## 1548	0.28783	-0.00665	0.19268	6	2	6	0
## 1549	-0.91699	-0.40581	-1.37983	3	0	6	0
## 1550	-0.60633	0.41594	-0.21712	6	0	6	0
## 1551	0.94156	0.93949	-1.37983	6	0	6	0
## 1552	-1.77200	-0.40581	1.29221	6	0	6	0
## 1553	-0.01729	1.46191	0.19268	5	0	6	0
## 1554	0.28783	0.25953	-0.21712	6	0	6	0
## 1555	1.61108	1.13407	0.19268	5	0	6	0
## 1556	0.76096	1.63088	0.19268	4	0	6	0
## 1557	-0.76096	1.30612	-0.71126	5	0	5	0
## 1558	-0.91699	1.13407	-1.37983	4	0	6	0
## 1559	0.28783	-0.14277	-0.71126	1	1	6	0
## 1560	-0.60633	-0.27607	-0.21712	1	0	6	0
## 1561	-0.15487	-1.13788	0.88113	4	2	6	0
## 1562	-0.76096	2.63199	-1.37983	6	0	6	0
## 1563	1.45039	2.04506	-0.71126	6	0	6	0
## 1564	1.28610	0.25953	-1.37983	5	0	6	0
## 1565	-0.91699	-0.78155	-0.71126	4	0	6	0
## 1566	1.81866	-0.00665	0.19268	5	0	6	0
## 1567	-0.76096	-0.27607	-1.37983	5	0	6	0
## 1568	-0.15487	-0.00665	0.88113	5	0	5	0
## 1569	1.81866	0.75830	-0.71126	6	0	6	0
## 1570	0.59042	0.58489	-0.71126	3	0	6	0
## 1571	0.59042	0.41594	0.19268	6	0	6	0
## 1572	1.61108	-0.52745	0.88113	3	0	6	0
## 1573	0.94156	1.63088	-1.37983	3	0	5	0
## 1574	-0.45321	0.41594	-1.37983	4	0	6	0
## 1575	1.45039	0.93949	0.19268	5	0	6	0
## 1576	-0.45321	0.58489	-1.37983	3	0	6	0
## 1577	1.28610	0.75830	-0.21712	4	0	6	0
## 1578	1.28610	0.58489	-1.37983	6	0	6	0
## 1579	-0.91699	0.12331	-1.37983	5	0	0	0
## 1580	0.43852	1.46191	-0.21712	4	0	6	0
## 1581	0.76096	0.12331	-0.71126	6	0	6	0
## 1582	1.81866	0.12331	0.19268	5	0	6	0
## 1583	-0.15487	0.58489	0.88113	6	1	6	0
## 1584	-0.30172	0.58489	0.19268	5	1	6	0
## 1585	-0.60633	0.41594	-0.21712	5	0	6	0
## 1586	-0.60633	0.12331	-0.21712	6	0	6	0
## 1587	0.28783	0.93949	0.52975	4	0	6	0
## 1588	1.45039	1.13407	-0.21712	5	0	6	0
## 1589	2.75696	1.13407	-1.37983	5	0	6	0
## 1590	1.11406	0.41594	0.88113	5	0	6	0
## 1591	-0.01729	-0.14277	-0.21712	5	1	6	0
## 1592	-0.15487	0.41594	-0.71126	5	0	5	0
## 1593	-0.01729	-0.27607	1.29221	5	0	5	0
## 1594	0.43852	0.41594	-0.21712	5	0	6	0
## 1595	0.59042	0.12331	-0.71126	5	0	6	0
## 1596	0.13136	0.75830	-0.71126	5	0	4	0

## 1597	0.28783	-0.00665	-0.71126	4	0	6	0
## 1598	-0.15487	0.58489	0.19268	5	0	5	0
## 1599	-0.91699	1.63088	-0.71126	4	0	6	0
## 1600	-0.30172	-0.78155	0.52975	6	0	6	0
## 1601	0.94156	-0.89891	1.86203	4	0	6	0
## 1602	0.76096	1.30612	-1.37983	5	0	6	0
## 1603	-0.91699	-0.14277	1.29221	0	0	5	0
## 1604	0.43852	0.58489	-0.71126	5	0	6	0
## 1605	-0.15487	1.13407	-0.21712	5	0	6	0
## 1606	-0.91699	-0.65253	1.29221	3	5	5	2
## 1607	0.94156	0.75830	-0.71126	4	0	6	0
## 1608	0.76096	-0.52745	-1.37983	5	0	6	0
## 1609	1.11406	0.93949	-1.37983	3	0	6	0
## 1610	0.43852	-0.00665	-0.21712	5	1	6	0
## 1611	-1.47955	0.58489	0.88113	4	1	6	0
## 1612	1.11406	3.00537	-0.21712	5	0	6	0
## 1613	0.76096	-0.40581	0.19268	6	0	6	0
## 1614	0.59042	-0.27607	0.88113	5	0	6	0
## 1615	0.59042	0.58489	0.52975	5	0	6	0
## 1616	-0.30172	-0.89891	0.88113	5	4	6	3
## 1617	-0.60633	0.75830	-0.21712	5	0	6	0
## 1618	-0.30172	-0.27607	0.19268	6	0	0	0
## 1619	0.43852	1.13407	0.19268	5	0	6	0
## 1620	0.59042	-0.89891	0.19268	5	0	6	0
## 1621	-0.76096	-0.27607	-0.71126	5	1	6	0
## 1622	0.13136	0.12331	-0.21712	5	1	6	0
## 1623	0.76096	0.75830	-1.37983	6	0	6	0
## 1624	0.59042	0.58489	-1.37983	5	0	5	0
## 1625	-0.15487	1.46191	-1.37983	4	1	6	0
## 1626	0.76096	-0.00665	-1.37983	3	0	6	0
## 1627	0.28783	0.58489	0.52975	2	0	6	0
## 1628	-1.07533	-1.01450	0.19268	6	0	6	0
## 1629	2.75696	1.13407	-0.71126	5	0	6	0
## 1630	-0.01729	1.81175	1.29221	6	0	6	0
## 1631	-0.30172	0.41594	0.88113	5	0	6	0
## 1632	-0.01729	-0.00665	-1.37983	4	0	5	0
## 1633	0.43852	0.58489	-0.71126	5	0	5	0
## 1634	-1.07533	-0.00665	-0.71126	4	0	3	0
## 1635	-1.47955	-1.01450	0.88113	5	6	6	0
## 1636	0.28783	0.41594	-0.71126	5	0	6	0
## 1637	-0.15487	-0.27607	0.19268	6	0	6	0
## 1638	0.59042	0.12331	0.52975	6	0	6	0
## 1639	0.94156	0.93949	0.19268	5	0	6	0
## 1640	-0.30172	1.13407	-1.37983	4	0	6	0
## 1641	0.43852	-0.14277	-0.71126	3	0	1	0
## 1642	0.76096	0.25953	-0.21712	3	0	6	0
## 1643	-0.01729	-0.14277	-0.21712	5	1	6	0
## 1644	0.94156	0.58489	-1.37983	6	0	6	0
## 1645	0.43852	-0.40581	0.19268	5	0	6	0
## 1646	0.76096	1.46191	-0.21712	4	0	6	0
## 1647	-0.30172	1.46191	-0.71126	3	0	6	0
## 1648	1.28610	0.58489	1.29221	5	0	5	0
## 1649	-1.47955	-0.40581	-0.71126	4	1	6	0
## 1650	-0.45321	-1.13788	0.19268	5	0	5	6

## 1651	1.81866	1.46191	-0.71126	5	0	6	0
## 1652	-1.62090	0.41594	-0.21712	5	0	5	0
## 1653	0.76096	0.93949	-0.71126	5	1	6	0
## 1654	-0.60633	0.12331	-1.37983	4	0	6	0
## 1655	-0.45321	0.93949	-0.21712	3	3	5	3
## 1656	0.43852	-0.00665	1.29221	4	2	6	0
## 1657	0.13136	0.41594	-1.37983	6	0	6	0
## 1658	-1.34289	-1.38502	1.86203	3	5	5	2
## 1659	1.61108	-0.27607	-0.71126	2	2	6	0
## 1660	0.43852	-0.14277	0.88113	5	2	6	0
## 1661	0.43852	-0.78155	0.19268	4	3	6	0
## 1662	0.76096	-0.14277	1.86203	5	2	6	0
## 1663	2.03972	0.93949	0.19268	5	0	4	0
## 1664	-0.60633	0.12331	1.86203	4	3	6	0
## 1665	-0.01729	0.93949	-1.37983	3	0	6	0
## 1666	-0.91699	0.41594	0.19268	3	1	6	0
## 1667	0.43852	0.93949	0.88113	4	0	6	0
## 1668	-1.07533	0.12331	-0.71126	6	0	6	0
## 1669	0.94156	-1.13788	-0.71126	5	0	6	0
## 1670	0.76096	-1.13788	-0.21712	3	0	6	0
## 1671	0.43852	0.75830	-0.71126	3	3	6	0
## 1672	-0.30172	2.33337	-0.71126	5	0	2	0
## 1673	-0.30172	-0.52745	-0.21712	5	0	6	0
## 1674	1.11406	-0.65253	-1.37983	3	0	0	0
## 1675	0.76096	-0.27607	0.19268	5	0	6	0
## 1676	1.28610	1.13407	-0.71126	5	0	6	0
## 1677	-2.21844	1.63088	0.19268	3	0	6	0
## 1678	0.43852	0.41594	-0.71126	5	0	6	0
## 1679	1.28610	0.58489	-0.71126	5	0	6	0
## 1680	-0.76096	-0.14277	-0.21712	5	2	6	0
## 1681	0.43852	-1.51840	-0.21712	4	2	6	0
## 1682	0.76096	0.25953	-0.21712	5	2	6	0
## 1683	-0.01729	-1.13788	-0.21712	4	5	6	0
## 1684	0.59042	0.58489	-0.21712	6	0	6	0
## 1685	2.03972	-0.27607	-0.71126	6	2	5	0
## 1686	0.43852	-0.27607	0.52975	6	0	6	0
## 1687	-1.47955	-0.00665	-1.37983	6	1	6	1
## 1688	1.45039	-0.89891	0.19268	3	0	6	0
## 1689	2.46262	-0.27607	-0.21712	5	0	4	0
## 1690	0.43852	-0.40581	-1.37983	5	0	6	0
## 1691	1.45039	1.13407	-1.37983	5	0	6	0
## 1692	-0.30172	-0.40581	1.29221	6	2	6	0
## 1693	-0.15487	-0.65253	0.88113	6	0	6	0
## 1694	0.28783	-0.40581	-0.71126	3	0	5	0
## 1695	-1.21213	1.13407	-0.21712	6	0	6	0
## 1696	-0.15487	0.41594	0.52975	4	0	6	0
## 1697	-0.15487	-0.00665	-0.21712	6	3	6	0
## 1698	-1.77200	-1.92173	1.86203	4	3	6	0
## 1699	0.76096	-0.00665	1.29221	6	0	5	0
## 1700	0.28783	0.93949	-0.71126	5	0	6	0
## 1701	0.28783	-1.13788	-0.21712	6	2	5	3
## 1702	-0.91699	-0.89891	0.52975	5	5	3	0
## 1703	-0.76096	-1.78169	0.52975	4	2	6	0
## 1704	-0.60633	1.81175	-0.21712	4	0	5	0

## 1705	0.94156	-0.14277	0.52975	5	0	5	0
## 1706	0.28783	1.13407	0.19268	5	0	6	0
## 1707	0.94156	-0.14277	-0.21712	6	0	6	0
## 1708	-0.91699	0.25953	-0.71126	4	0	6	0
## 1709	0.13136	-0.14277	1.29221	5	0	6	0
## 1710	-1.07533	0.25953	-0.71126	5	2	6	1
## 1711	0.59042	2.63199	0.88113	4	1	6	0
## 1712	1.28610	1.46191	-1.37983	5	0	6	0
## 1713	-0.76096	0.93949	-0.71126	1	0	6	0
## 1714	-0.76096	-0.89891	-0.21712	5	0	6	0
## 1715	0.76096	0.58489	-0.71126	5	0	6	0
## 1716	-0.91699	0.12331	-0.21712	5	0	6	0
## 1717	0.94156	-1.38502	-0.71126	5	0	5	0
## 1718	2.46262	1.30612	-1.37983	0	0	6	0
## 1719	0.59042	1.13407	0.52975	5	0	6	0
## 1720	0.94156	1.81175	1.29221	6	2	3	0
## 1721	0.59042	0.41594	-0.21712	6	0	6	0
## 1722	0.28783	0.58489	-1.37983	5	0	6	0
## 1723	1.81866	0.58489	-2.55524	3	0	5	0
## 1724	-0.76096	-0.52745	-2.55524	5	1	5	0
## 1725	1.81866	0.75830	-0.21712	4	0	6	0
## 1726	-0.45321	-0.40581	-0.21712	6	0	6	0
## 1727	0.13136	1.63088	-2.55524	4	0	6	0
## 1728	-0.01729	-0.78155	-0.21712	6	2	6	0
## 1729	-0.15487	0.12331	-0.21712	5	1	6	0
## 1730	-1.21213	1.30612	0.19268	4	2	6	0
## 1731	-0.01729	0.12331	-1.37983	5	0	6	0
## 1732	0.94156	1.46191	0.19268	5	0	4	0
## 1733	2.03972	2.04506	-0.21712	5	0	6	0
## 1734	1.28610	0.25953	-0.71126	5	0	4	0
## 1735	0.43852	-0.00665	-0.21712	5	0	5	0
## 1736	0.94156	0.58489	-0.71126	5	0	6	0
## 1737	0.28783	-0.00665	-0.71126	4	0	3	0
## 1738	-0.15487	1.13407	-1.37983	6	0	3	0
## 1739	-1.62090	-0.00665	-1.37983	5	0	6	0
## 1740	-0.60633	-0.52745	0.52975	5	2	6	0
## 1741	-0.30172	0.93949	-0.21712	5	0	2	0
## 1742	0.43852	-0.00665	-0.71126	3	0	0	0
## 1743	2.23427	2.33337	-1.37983	4	0	6	0
## 1744	0.13136	0.12331	-0.21712	0	0	1	0
## 1745	1.45039	-0.14277	0.19268	6	0	6	0
## 1746	3.46436	-0.78155	0.88113	5	6	2	0
## 1747	-1.92595	-2.04506	0.88113	5	6	6	0
## 1748	-0.60633	0.41594	-0.21712	5	0	6	0
## 1749	-1.07533	-0.65253	1.29221	5	6	6	0
## 1750	2.03972	1.13407	0.52975	5	0	6	0
## 1751	0.13136	-0.40581	0.88113	6	1	6	0
## 1752	-2.35413	-1.51840	0.88113	4	0	6	0
## 1753	-0.45321	1.13407	0.52975	5	0	6	0
## 1754	0.59042	-1.64101	0.52975	5	3	6	0
## 1755	-0.30172	0.75830	-1.37983	6	0	6	0
## 1756	-0.76096	1.13407	1.86203	3	6	6	3
## 1757	-0.30172	0.25953	-0.21712	5	0	5	0
## 1758	-1.34289	0.93949	0.19268	5	0	6	0

## 1759	-0.30172	0.75830	0.88113	5	0	6	0
## 1760	-2.21844	-1.38502	-0.71126	4	0	6	0
## 1761	0.28783	3.00537	-0.21712	4	3	3	0
## 1762	0.28783	-0.89891	0.88113	5	4	6	4
## 1763	-0.30172	0.93949	-0.71126	4	5	6	3
## 1764	2.75696	0.25953	-0.71126	5	0	6	0
## 1765	1.28610	2.63199	-1.37983	3	3	6	0
## 1766	-0.01729	-0.65253	-0.21712	5	2	6	0
## 1767	0.59042	-0.00665	-0.71126	5	0	6	0
## 1768	0.43852	-0.00665	0.88113	5	2	6	0
## 1769	-1.34289	0.93949	0.52975	2	1	6	0
## 1770	-0.01729	-0.52745	0.52975	4	3	6	0
## 1771	-1.21213	-0.78155	0.88113	6	6	5	3
## 1772	0.43852	-1.01450	-0.71126	0	0	6	4
## 1773	0.43852	0.41594	-0.71126	4	0	4	0
## 1774	0.28783	1.13407	0.88113	5	0	6	0
## 1775	-0.30172	-0.89891	1.86203	1	4	5	1
## 1776	-2.53830	0.75830	0.88113	5	0	5	0
## 1777	0.28783	-0.27607	0.88113	2	2	6	1
## 1778	-1.34289	-1.01450	0.19268	5	2	6	6
## 1779	-1.62090	1.30612	-0.71126	5	0	3	0
## 1780	0.43852	1.30612	0.88113	5	2	6	0
## 1781	-1.07533	-0.89891	1.29221	5	3	6	0
## 1782	-0.15487	-1.25773	0.19268	5	0	4	0
## 1783	0.43852	0.25953	-1.37983	5	0	6	0
## 1784	-0.01729	-0.78155	0.52975	6	0	5	0
## 1785	0.76096	-0.65253	-0.21712	4	0	5	0
## 1786	-0.60633	0.58489	-0.71126	6	1	6	0
## 1787	-1.07533	-1.51840	1.86203	5	6	6	0
## 1788	-1.21213	-0.40581	1.86203	3	2	6	2
## 1789	0.13136	2.33337	-1.37983	4	2	6	2
## 1790	-0.60633	3.00537	0.19268	6	3	4	0
## 1791	1.81866	-0.52745	-0.71126	4	5	6	0
## 1792	0.13136	-0.78155	1.86203	0	0	6	0
## 1793	-0.45321	0.75830	0.19268	6	6	6	2
## 1794	-0.76096	-1.92173	-0.21712	2	6	6	0
## 1795	0.28783	-1.51840	1.29221	6	0	4	0
## 1796	-2.07848	-0.78155	0.88113	3	6	4	0
## 1797	-1.07533	1.63088	0.88113	5	0	5	0
## 1798	-2.53830	-2.90161	-0.21712	2	1	6	0
## 1799	1.28610	1.81175	0.52975	6	0	6	0
## 1800	1.11406	0.12331	1.29221	4	3	6	0
## 1801	0.28783	-1.01450	0.88113	6	0	6	2
## 1802	1.28610	-0.65253	0.52975	4	0	3	0
## 1803	0.43852	-0.52745	0.52975	5	0	4	0
## 1804	-0.15487	-1.13788	0.52975	4	5	6	0
## 1805	-0.60633	-1.64101	0.52975	5	2	6	2
## 1806	0.13136	-0.40581	-1.37983	4	0	5	0
## 1807	-1.47955	0.12331	0.88113	4	3	6	2
## 1808	-1.21213	0.93949	0.52975	6	0	6	2
## 1809	-0.01729	2.33337	-0.71126	6	6	6	0
## 1810	-1.34289	-1.25773	0.88113	4	1	6	2
## 1811	-0.15487	-0.52745	1.29221	4	1	5	1
## 1812	-0.45321	1.46191	0.19268	2	0	5	0

## 1813	1.61108	0.93949	-0.71126	6	2	6	0
## 1814	-0.76096	-0.14277	0.52975	5	0	6	0
## 1815	1.11406	0.25953	0.88113	4	2	5	0
## 1816	-0.60633	-0.14277	1.86203	5	0	5	0
## 1817	0.28783	1.46191	-0.21712	6	3	6	0
## 1818	-0.60633	-2.72827	1.86203	2	0	6	0
## 1819	0.43852	-0.65253	1.86203	3	0	6	0
## 1820	-1.07533	-0.78155	-0.21712	3	3	5	0
## 1821	-0.30172	-2.30408	0.88113	4	2	6	0
## 1822	-0.30172	-0.40581	0.52975	6	0	0	0
## 1823	-1.34289	-0.00665	-0.21712	5	5	6	0
## 1824	1.28610	-0.00665	0.88113	4	0	5	0
## 1825	0.28783	0.25953	-0.21712	4	1	6	0
## 1826	-2.53830	-0.14277	0.88113	5	3	6	0
## 1827	-1.47955	-1.13788	-1.37983	2	1	1	1
## 1828	-1.07533	-0.89891	-0.71126	6	2	5	2
## 1829	-0.91699	-1.92173	0.19268	6	0	5	0
## 1830	0.28783	2.33337	-0.71126	5	0	6	0
## 1831	-0.30172	1.30612	-0.21712	6	1	6	0
## 1832	-0.45321	0.25953	0.88113	6	0	6	0
## 1833	-0.45321	-1.51840	1.29221	3	2	6	2
## 1834	0.28783	-1.78169	0.88113	2	6	2	0
## 1835	0.76096	-0.27607	-0.21712	3	6	6	0
## 1836	0.59042	0.25953	-1.37983	6	2	6	0
## 1837	1.45039	0.25953	1.29221	4	1	6	1
## 1838	1.45039	-0.14277	0.88113	2	2	5	2
## 1839	-0.30172	-1.13788	1.29221	5	0	5	0
## 1840	-2.07848	0.93949	0.52975	4	0	5	0
## 1841	-1.62090	-0.14277	-0.21712	5	1	6	1
## 1842	1.28610	0.41594	0.19268	6	3	6	0
## 1843	0.76096	1.30612	-0.21712	5	1	6	0
## 1844	1.11406	1.13407	0.88113	5	0	5	0
## 1845	-0.91699	-1.38502	2.90161	6	4	5	0
## 1846	0.59042	1.13407	1.86203	3	6	6	4
## 1847	-0.76096	0.75830	-1.37983	2	2	6	0
## 1848	0.76096	-1.01450	0.19268	3	5	6	0
## 1849	-0.30172	-1.25773	0.88113	5	2	6	0
## 1850	-0.45321	0.75830	0.19268	6	2	6	0
## 1851	-0.30172	0.93949	-0.21712	5	0	5	0
## 1852	0.43852	-0.14277	-0.21712	3	2	6	0
## 1853	-2.07848	0.41594	-0.21712	5	0	5	0
## 1854	-0.30172	-0.00665	0.88113	3	3	6	3
## 1855	-0.30172	-1.51840	1.29221	5	2	6	0
## 1856	-0.01729	0.12331	-0.71126	4	0	2	0
## 1857	-1.47955	-0.89891	-1.37983	3	3	6	0
## 1858	-0.15487	-1.78169	2.90161	6	3	6	3
## 1859	-0.15487	-0.14277	0.88113	4	3	6	0
## 1860	0.28783	0.12331	-0.21712	6	2	6	3
## 1861	-0.45321	-0.65253	-0.71126	5	5	6	2
## 1862	-0.15487	0.41594	0.88113	5	6	6	0
## 1863	-1.07533	0.25953	0.52975	6	1	6	2
## 1864	-1.07533	0.93949	0.88113	5	3	6	0
## 1865	-0.91699	0.41594	-0.21712	5	3	5	2
## 1866	-0.60633	-2.18109	0.88113	5	0	6	0

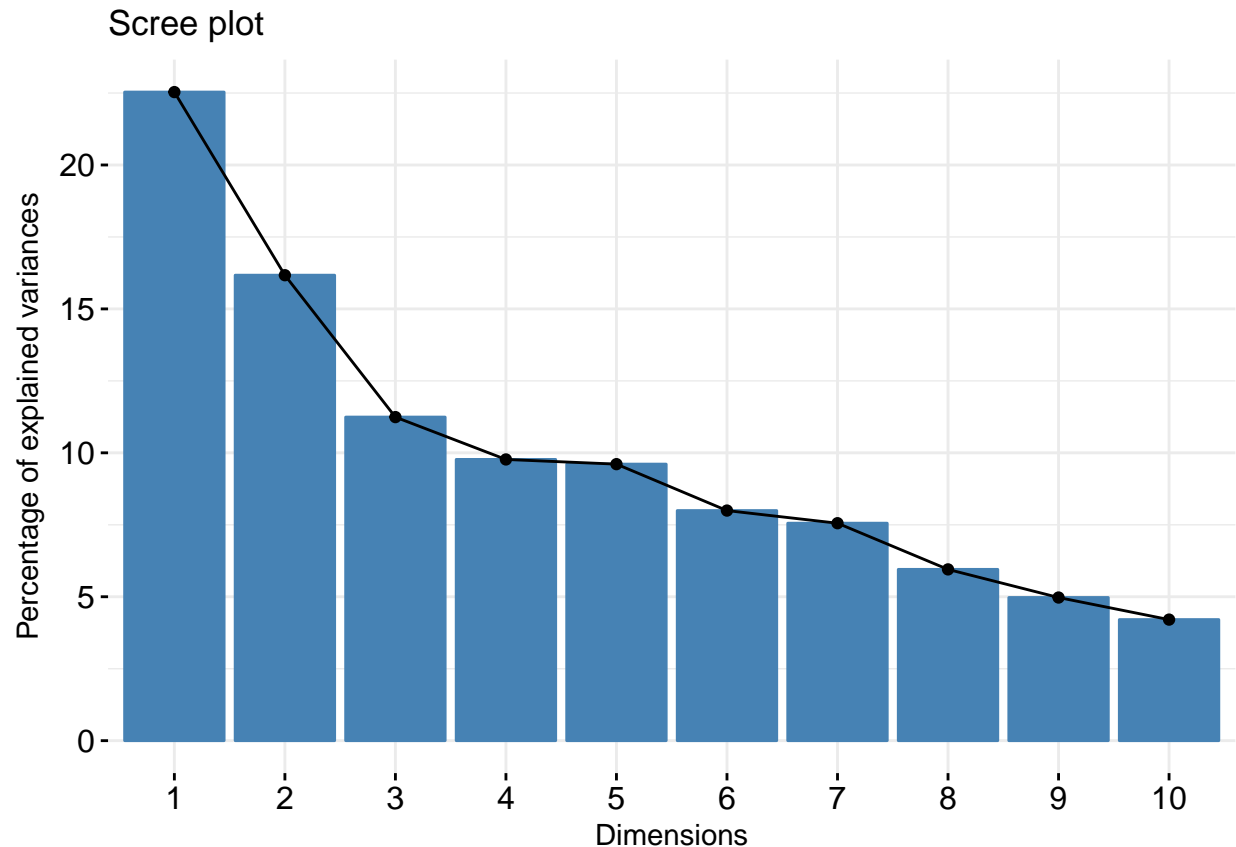
```
## 1867  0.28783  1.63088 -0.71126      6      0      6      0
## 1868 -0.76096 -0.14277  1.86203      6      0      6      2
## 1869 -1.62090 -1.38502  0.19268      2      4      6      0
## 1870 -0.30172 -0.00665  0.19268      3      2      5      0
## 1871  1.81866  1.30612 -0.71126      6      3      6      0
## 1872 -1.07533  0.12331 -0.71126      6      3      6      6
## 1873  0.76096 -1.51840  0.88113      5      6      5      0
## 1874 -0.60633 -0.40581  0.52975      5      3      6      2
## 1875  0.94156 -0.65253 -0.21712      5      0      6      0
## 1876 -0.76096 -0.14277  1.29221      5      0      5      0
## 1877 -0.91699 -0.78155  0.52975      6      0      5      0
## 1878 -1.77200  0.58489 -0.21712      6      2      6      5
## 1879 -0.76096  2.33337 -0.71126      4      0      2      0
## 1880 -0.30172 -0.27607  0.88113      4      3      5      2
## 1881  0.76096 -1.13788  0.88113      5      0      4      0
## 1882  0.76096 -1.51840  0.88113      5      0      5      0
## 1883 -1.77200 -1.38502  0.52975      4      6      6      0
## 1884 -1.62090 -2.57309  1.29221      5      0      6      0
## 1885  1.11406  0.41594  0.88113      4      3      6      0
```

valeure propres et ebouli des valeurs propres

```
res.PCA$eig
```

```
##          eigenvalue percentage of variance
## comp 1      2.2532953          22.532953
## comp 2      1.6170566          16.170566
## comp 3      1.1241202          11.241202
## comp 4      0.9769832           9.769832
## comp 5      0.9607505           9.607505
## comp 6      0.7993781           7.993781
## comp 7      0.7554827           7.554827
## comp 8      0.5950216           5.950216
## comp 9      0.4973476           4.973476
## comp 10     0.4205642           4.205642
##          cumulative percentage of variance
## comp 1      22.53295
## comp 2      38.70352
## comp 3      49.94472
## comp 4      59.71455
## comp 5      69.32206
## comp 6      77.31584
## comp 7      84.87067
## comp 8      90.82088
## comp 9      95.79436
## comp 10     100.00000
```

```
fviz_screepplot(res.PCA,ncp=10)
```



L'effet coude commence a partir de la troisieme composante, donc no trois premiere composantes sont suffisante pour une bonne representation.

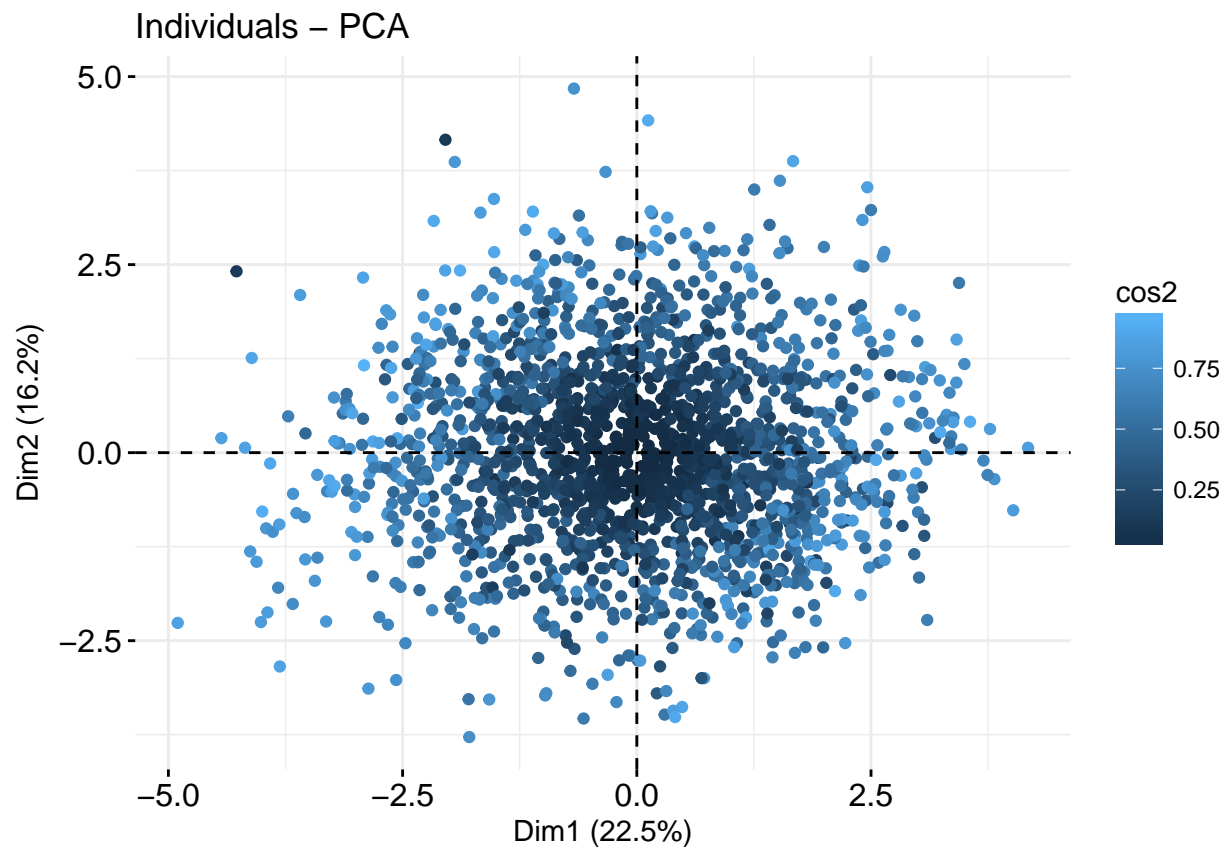
qualité des representations des individus

```
head(res.PCA$ind$cos2)
```

```
##          Dim.1      Dim.2      Dim.3      Dim.4      Dim.5      Dim.6
## 1 0.010705651 0.07590570 0.133149018 0.10539192 0.6267316296 0.01009339
## 2 0.167942697 0.33967945 0.006388805 0.08284111 0.0001441333 0.16516240
## 3 0.003147153 0.03683889 0.311670002 0.01983182 0.1029482317 0.01174068
## 4 0.193084994 0.07229227 0.204517886 0.02132255 0.0565246382 0.30946169
## 5 0.079276985 0.27005140 0.200302913 0.15164724 0.0339228611 0.08786420
## 6 0.415848237 0.21423592 0.029034123 0.08535011 0.0020432199 0.09621808
##          Dim.7      Dim.8      Dim.9      Dim.10
## 1 0.01275520 0.0038230500 0.011929749 9.514692e-03
## 2 0.02704120 0.0351667307 0.054946147 1.206873e-01
## 3 0.05258611 0.0029640198 0.304287762 1.539853e-01
## 4 0.08498852 0.0111194058 0.009532107 3.715595e-02
## 5 0.01257068 0.0009304637 0.102355326 6.107793e-02
## 6 0.11445153 0.0305588251 0.012259894 6.457791e-08
```

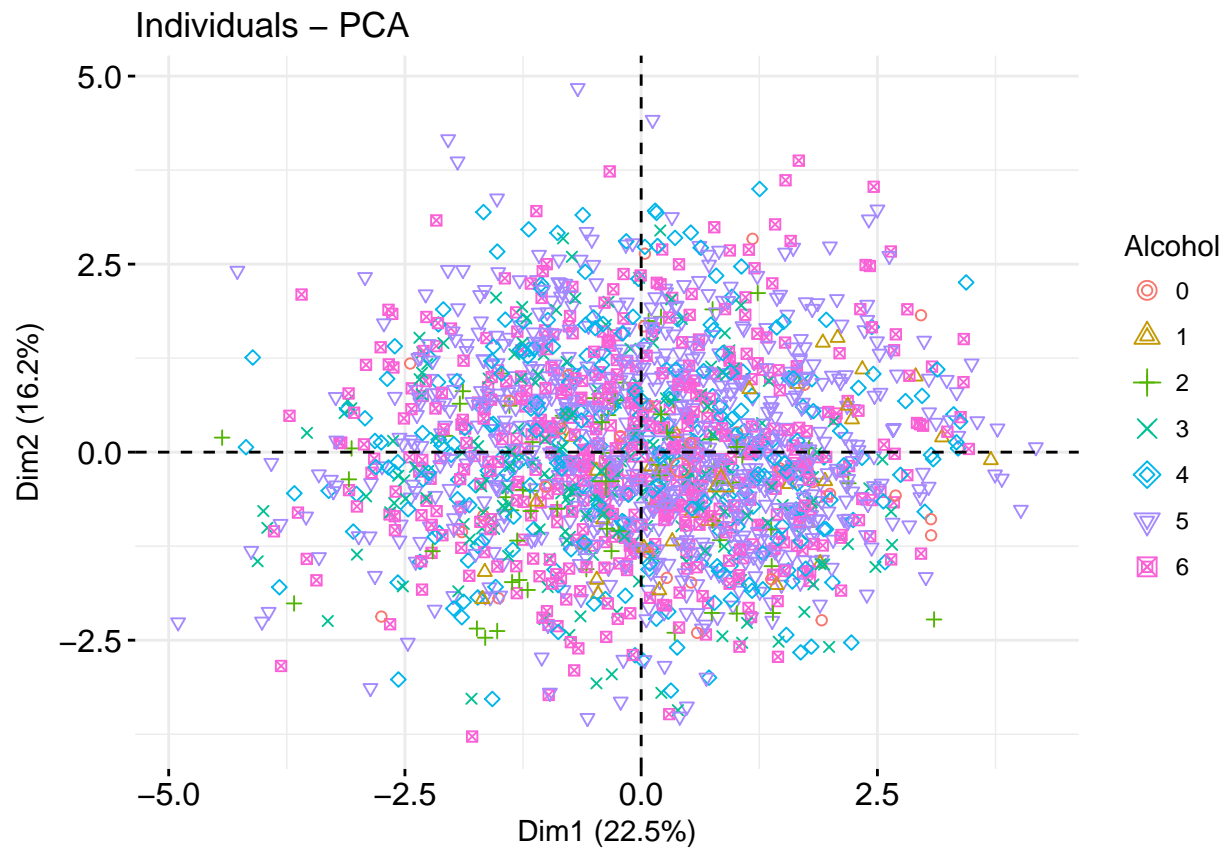
representation des individus et selon les cos2

```
fviz_pca_ind(res.PCA,geom = "point",col.ind = "cos2")
```

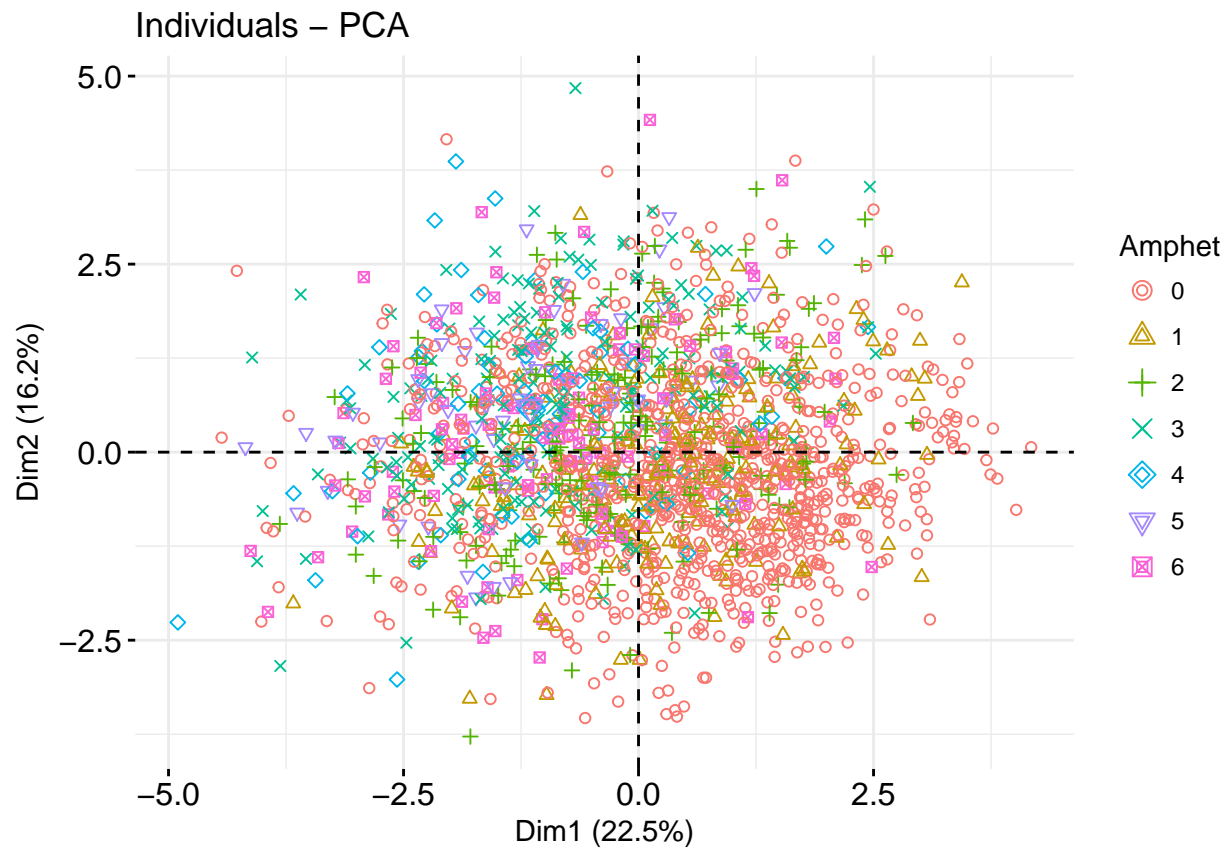


representation des individus et selon la consommation des drogues

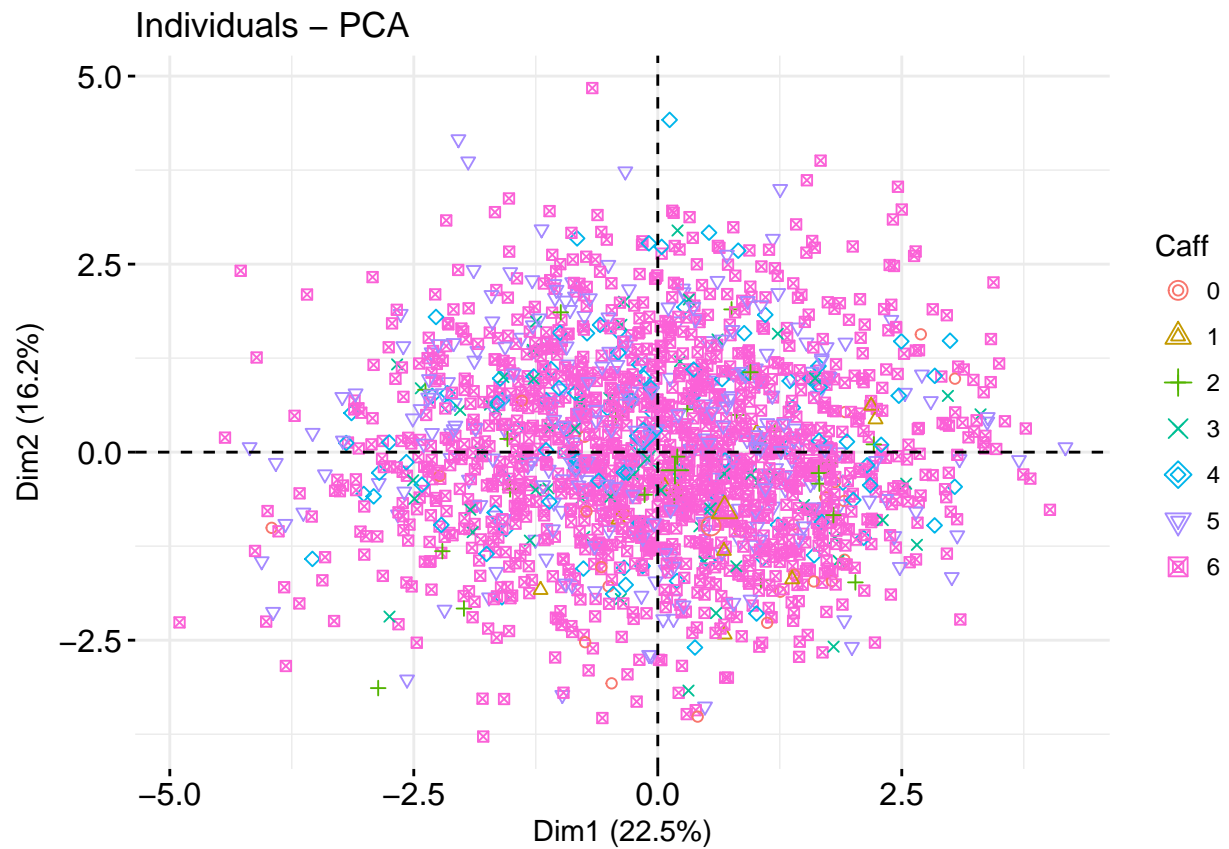
```
fviz_pca_ind(res.PCA,label="none",habillage = 11)
```



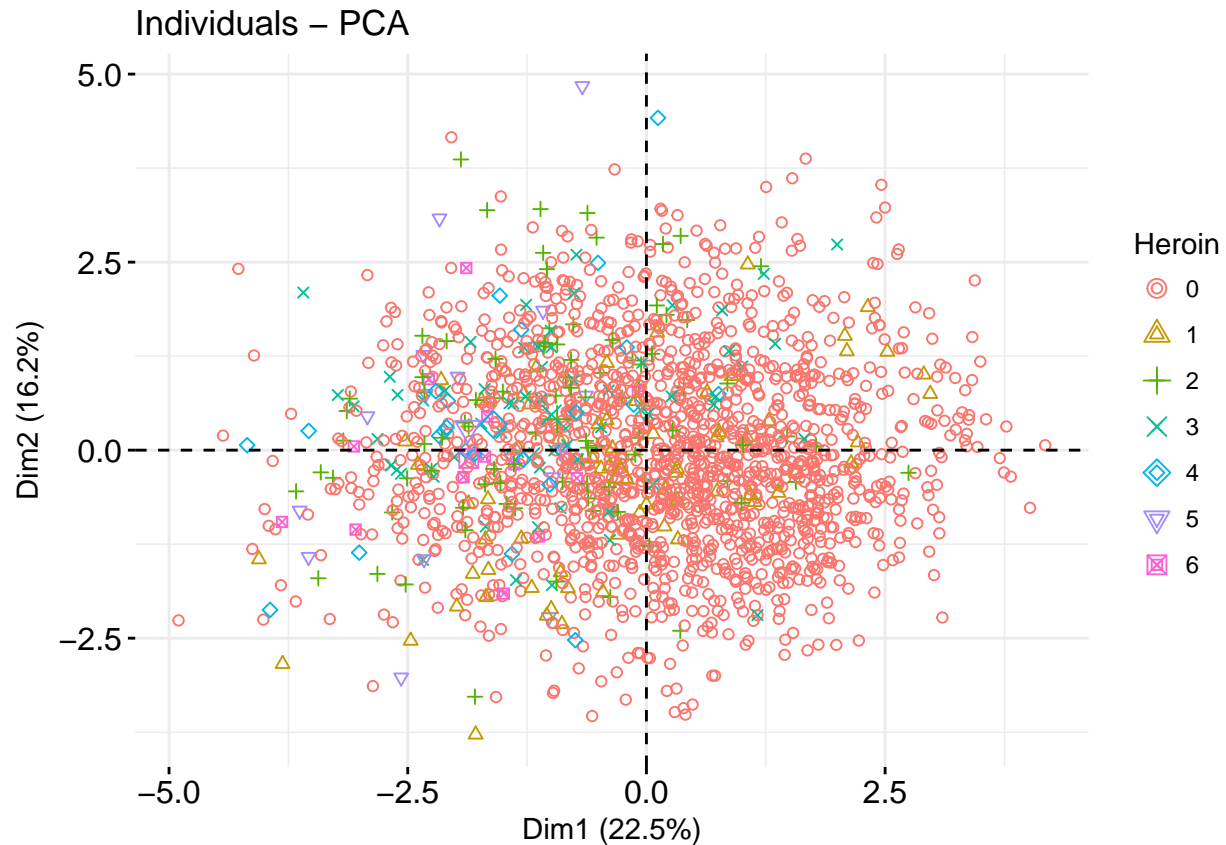
```
#pca3d(pca3, group = d$Alcohol, bg="white", axes.color = "black")  
fviz_pca_ind(res.PCA, label="none", habillage = 12)
```

```
#pca3d(pca3, group = d$Amphet, bg="white", axes.color = "black")  
fviz_pca_ind(res.PCA, label="none", habillage = 13)
```



```
#pca3d(pca3,group = d$Caff,bg="white",axes.color = "black")  
fviz_pca_ind(res.PCA,label="none",habillage = 14)
```



```
#pca3d(pca3,group = d$Heroin,bg="white",axes.color = "black")
```

Quant on observe la representation selon la consommation de cafeine, on voit nettement que les individu de niveau 6 sont dominants, ces individus representent ceux là meme qui consommaient toujours l'alcool a la date de l'enquete. Par contre pour l'heroin,on note une dominance des individu de niveau 0, qui sont ceux la qui n'ont jamais pris ce stupefiant.

qualité des representations des variables

```
res.PCA$var$cos2
```

	Dim.1	Dim.2	Dim.3	Dim.4	Dim.5
## Age	0.16191153	0.1488954183	0.029636172	0.112722020	0.1372166610
## Gender	0.14535019	0.0690665489	0.449754380	0.001699505	0.0153247812
## Education	0.19137246	0.0002276207	0.171904334	0.344798043	0.0295348532
## Ethnicity	0.01792511	0.0342747484	0.111428739	0.253274903	0.5684763050
## Nscore	0.37618506	0.1387699146	0.219865464	0.006004739	0.0093008129
## Escore	0.18188027	0.4932859350	0.002217856	0.003276085	0.0005989924
## Oscore	0.02643898	0.4957860817	0.075877545	0.021590118	0.0166678537
## Ascore	0.27863830	0.0059852650	0.052062261	0.160508391	0.1687497119
## Cscore	0.57235845	0.0103494805	0.002852361	0.002731710	0.0116145730
## Impulsive	0.30123492	0.2204155521	0.008521077	0.070377712	0.0032659731
	Dim.6	Dim.7	Dim.8	Dim.9	Dim.10
## Age	9.864614e-02	0.2711905407	0.0353781466	0.0021556324	2.247739e-03
## Gender	1.826037e-01	0.0546227971	0.0096050988	0.0354480167	3.652496e-02
## Education	1.458142e-01	0.0011547043	0.1137020404	0.0006285242	8.632030e-04

```
## Ethnicity 4.952228e-03 0.0049245855 0.0045436390 0.0001164667 8.327416e-05
## Nscore 9.303473e-04 0.0009083664 0.0532932104 0.0521997035 1.425424e-01
## Escore 9.875368e-02 0.0312923187 0.0002110364 0.0141680018 1.743158e-01
## Oscore 6.182405e-02 0.0904301409 0.1632455599 0.0303299004 1.780977e-02
## Ascore 2.359343e-06 0.2434567543 0.0585836695 0.0284373901 3.575899e-03
## Cscore 1.239732e-02 0.0517091400 0.1205359635 0.2088049970 6.646004e-03
## Impulsive 1.934541e-01 0.0057933566 0.0359232431 0.1250589240 3.595517e-02
```

###Correlation entre les variables et les axes (composantes principales)

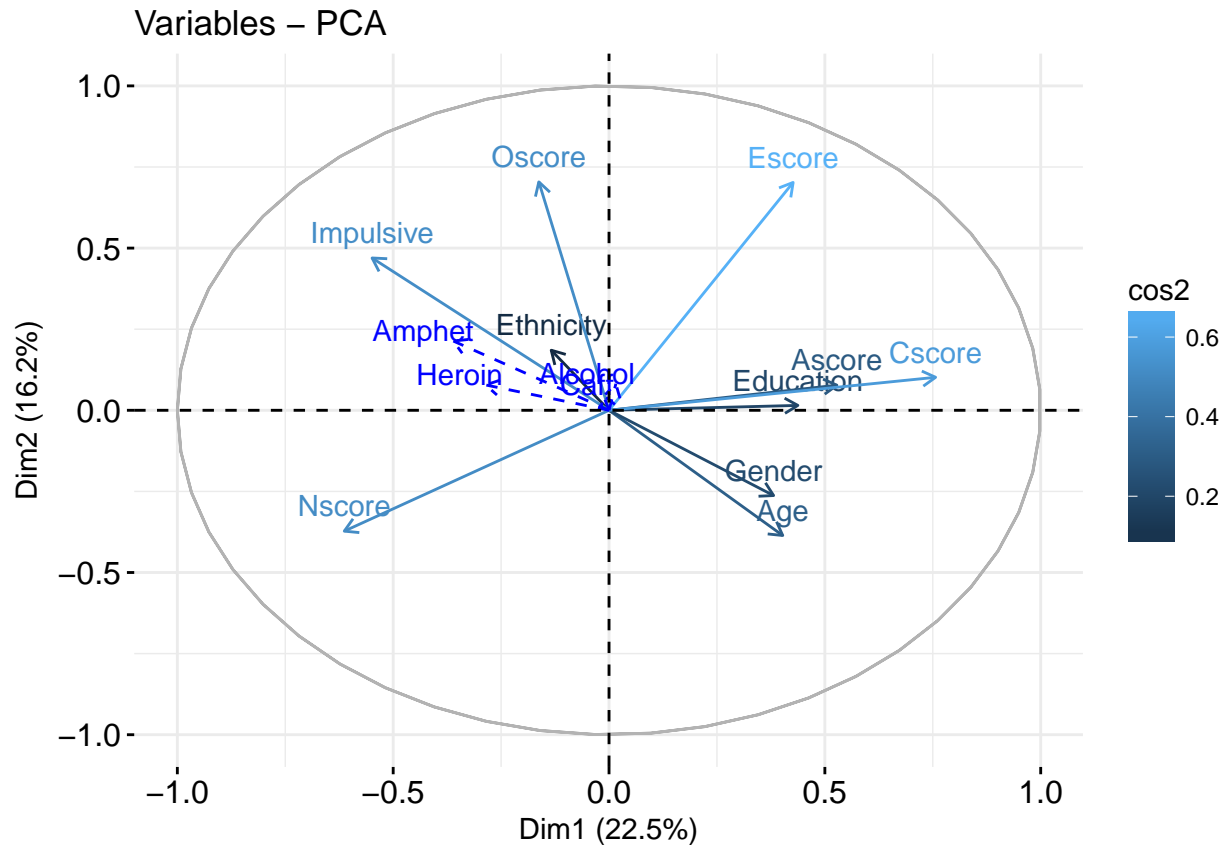
```
res.PCA$var$coord
```

```
##          Dim.1      Dim.2      Dim.3      Dim.4      Dim.5
## Age      0.4023823 -0.38586969 -0.17215160 0.33574100 0.37042767
## Gender   0.3812482 -0.26280515 0.67063729 -0.04122505 -0.12379330
## Education 0.4374614 0.01508710 0.41461348 0.58719506 0.17185707
## Ethnicity -0.1338847 0.18513441 0.33380944 -0.50326425 0.75397368
## Nscore   -0.6133393 -0.37251834 0.46889814 0.07749025 -0.09644072
## Escore    0.4264742 0.70234317 -0.04709412 0.05723709 0.02447432
## Oscore   -0.1626007 0.70412079 0.27545879 0.14693576 -0.12910404
## Ascore    0.5278620 0.07736449 0.22817156 -0.40063499 -0.41079157
## Cscore    0.7565438 0.10173240 -0.05340750 -0.05226576 0.10777093
## Impulsive -0.5488487 0.46948435 0.09230968 0.26528798 0.05714869
##          Dim.6      Dim.7      Dim.8      Dim.9      Dim.10
## Age      0.314079829 0.52075958 0.18809079 -0.04642879 0.047410327
## Gender   0.427321564 -0.23371521 0.09800561 -0.18827644 -0.191115041
## Education -0.381856273 -0.03398094 -0.33719733 0.02507038 0.029380316
## Ethnicity -0.070372068 0.07017539 -0.06740652 -0.01079198 0.009125468
## Nscore   -0.030501595 0.03013912 0.23085322 0.22847254 0.377547858
## Escore    0.314250981 -0.17689635 -0.01452709 -0.11902942 0.417511468
## Oscore   -0.248644424 0.30071605 0.40403658 -0.17415482 -0.133453241
## Ascore    0.001536015 0.49341337 -0.24204064 0.16863389 0.059798818
## Cscore   -0.111343250 -0.22739644 0.34718290 0.45695185 -0.081523025
## Impulsive 0.439834146 0.07611410 -0.18953428 0.35363671 -0.189618485
```

c'est chiffres nous montre qu'il n'y a pratiquement pas de corrélation entre les variables et les composantes principales.

cercle de corrélation

```
fviz_pca_var(res.PCA,col.var = "cos2")
```



Plusieur choses sont à retenir quant à cette representation: Premièrement,amphetamine et heroine d'une part, et alcool et caffeine d'autres parts sont deux à deux corrélés donc on pourrai considéré que ces stupefiants sont consomé dans les meme degrés et aussi la consommation d'alcool ou de caffeine n'influ pas sur la consommation d'heroine ou d'amphetamine. Deuxiemement, le premier groupe de stupefiants, en occurrence heroine et amphetamine dependent de l'impulsivité, l'ethnie, le genre et l'age... le volume de consommation evolu avec l'impulsivité et inversement avec l'age, etant donné que l'age minimal des individus est de 18ans, alors on peut dire que les grands consommateurs de ces stupefiants sont les plus jeunes gens avec un caractere fort impulsif. En outre le second groupe de stupefiant depend en quelque sorte aussi du genre et de l'age mais, les differentes personnalités étudiée ici n'ont aucune influence sur la consommation de ces drogues.