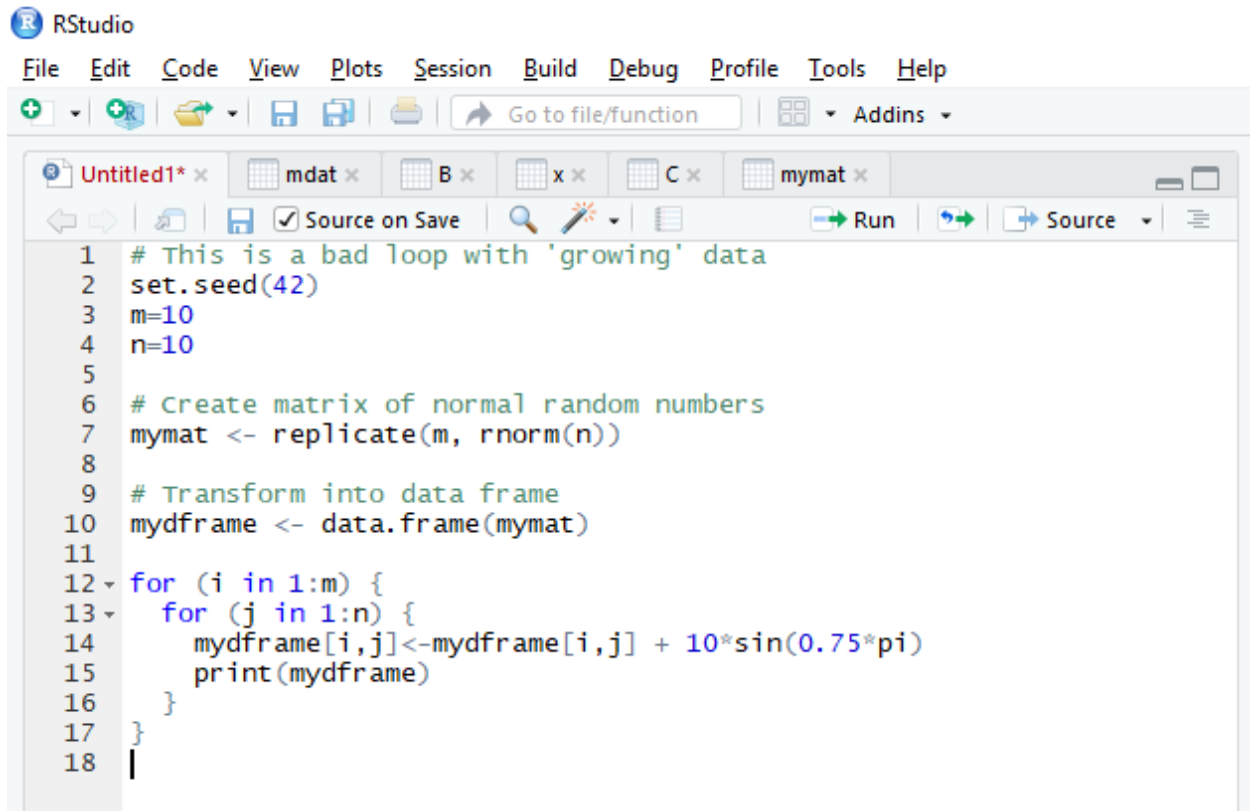


## 5. Problem Statement

1. Create an  $m \times n$  matrix with `replicate(m, rnorm(n))` with  $m=10$  column vectors of  $n=10$  elements each, constructed with `rnorm(n)`, which creates random normal numbers.

- Then we transform it into a dataframe (thus 10 observations of 10 variables) and perform an algebraic operation on each element using a nested for loop: at each iteration, every element referred by the two indexes is incremented by a sinusoidal function, compare the vectorized and non-vectorized form of creating the solution and report the system time differences.

Answer as follows



The screenshot shows the RStudio interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, and Help. Below the menu is a toolbar with icons for file operations and a search bar labeled 'Go to file/function'. The editor pane shows a script with the following code:

```
1 # This is a bad loop with 'growing' data
2 set.seed(42)
3 m=10
4 n=10
5
6 # Create matrix of normal random numbers
7 mymat <- replicate(m, rnorm(n))
8
9 # Transform into data frame
10 mydframe <- data.frame(mymat)
11
12 for (i in 1:m) {
13   for (j in 1:n) {
14     mydframe[i,j]<-mydframe[i,j] + 10*sin(0.75*pi)
15     print(mydframe)
16   }
17 }
18 |
```

R console as below

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Source

Console c:/program files/rstudio/

```

6 7.7262492 8.228871 8.988722 9.882284 8.499344 7.824978 8.848998
7 6.963173 5.564273 7.947107 7.683914 6.196287 5.983500 8.327509
8 6.481473 5.939874 8.484194 9.800002 5.446271 5.716552 8.554074
9 6.328823 5.501268 8.467758 7.398992 6.380259 9.552398 7.178861
10 8.105572 6.245211 7.876910 6.066629 7.933171 5.989911 5.475001
    x8      x9      x10
1 9.850833 7.676330 8.0877552
2 6.226144 8.468062 8.0593036
3 6.512540 6.487599 5.3160638
4 7.873135 7.734135 5.4974289
5 9.021292 6.705484 6.3998149
6 6.952712 6.894494 7.9835264
7 7.784801 7.797334 6.6336921
8 7.291071 6.759839 4.9540268
9 5.667684 6.769902 8.2874001
10 7.846050 4.442625 -0.1120879
    x1      x2      x3      x4      x5      x6      x7
1 9.102607 7.387104 6.008132 6.797954 7.026417 5.594828 6.008880
2 6.186503 8.810395 7.664154 6.889339 8.137879 5.591697 6.444023
3 7.147654 7.727343 6.823579 7.283025 7.842809 6.207072 8.326818
4 3.678166 6.410379 6.370663 7.581998 6.921483 5.678612 7.396477
5 8.106497 7.594440 8.372542 8.099356 8.321336 6.393929 6.661657
6 7.282452 8.228871 8.500722 5.602264 8.499344 7.624576 6.846598
7 6.963173 5.564273 7.947107 7.683914 6.196287 5.983500 8.327509
8 6.481473 5.939874 8.484194 9.800002 5.446271 5.716552 8.554074
9 6.328823 5.501268 8.467758 7.398992 6.380259 9.552398 7.178861
10 8.105572 6.245211 7.876910 6.066629 7.933171 5.989911 5.475001
    x8      x9      x10
1 9.850833 7.676330 8.087755
2 6.226144 8.468062 8.059304
3 6.512540 6.487599 5.316064
4 7.873135 7.734135 5.497429
5 9.021292 6.705484 6.399815
6 6.952712 6.894494 7.983526
7 7.784801 7.797334 6.633692
8 7.291071 6.759839 4.954027
9 5.667684 6.769902 8.287400
10 7.846050 4.442625 6.958980
>

```

```

1 6.0088796 9.8508331 7.6763297 8.0877552
2 6.4440230 6.2261443 8.4680619 8.0593036
3 8.3268183 6.5125395 6.4875988 5.3160638
4 7.3964769 7.8731346 7.7341351 5.4974289
5 6.6616574 9.0212923 6.7054840 6.3998149
6 -0.2244696 -0.1183563 -0.1765734 0.9124586

```

7	1.2564414	0.7137328	0.7262662	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	-0.1078951	-1.5067953	0.8760388	0.6128462	-0.8747812	-1.0875
68						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						
	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	-0.2244696	-0.1183563	-0.1765734	0.9124586		
7	1.2564414	0.7137328	0.7262662	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	-0.1078951	-1.5067953	0.8760388	0.6128462	-0.8747812	-1.0875
68						

8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	-0.1183563	-0.1765734	0.9124586		
7	1.2564414	0.7137328	0.7262662	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4		x5

x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	-0.1078951	-1.5067953	0.8760388	0.6128462	-0.8747812	-1.0875
68						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	-0.1765734	0.9124586		
7	1.2564414	0.7137328	0.7262662	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4		x5

x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						

2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	-0.1078951	-1.5067953	0.8760388	0.6128462	-0.8747812	-1.0875
68						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	0.9124586
7	1.2564414	0.7137328	0.7262662	-0.4373757
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	-0.1078951	-1.5067953	0.8760388	0.6128462	-0.8747812	-1.0875
68						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036

3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	1.2564414	0.7137328	0.7262662	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	-1.5067953	0.8760388	0.6128462	-0.8747812	-1.0875
68						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						
	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	1.2564414	0.7137328	0.7262662	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						

6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	0.8760388	0.6128462	-0.8747812	-1.0875
68						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	1.2564414	0.7137328	0.7262662	-0.4373757
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5
x6					
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171
28					
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791
97					
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095
72					
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831
12					
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360
29					
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438
76					
7	6.9631727	5.5642726	7.9471066	0.6128462	-0.8747812
68					
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971
16					
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084
31					
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030
57					

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	1.2564414	0.7137328	0.7262662	-0.4373757
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879



	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	-0.8747812	-1.0875
68						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	1.2564414	0.7137328	0.7262662	-0.4373757
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	-1.0875
68						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						

10 1.0345038 -0.8258566 0.8058419 -1.0044392 0.8621030 -1.0811  
57

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	1.2564414	0.7137328	0.7262662	-0.4373757
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	1.2564414	0.7137328	0.7262662	-0.4373757
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						

4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	0.7137328	0.7262662	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		

	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		

7	8.3275092	7.7848006	0.7262662	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						
	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	-0.4373757		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						

8	-0.5895943	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4		x5

x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	6.4814735	-1.1311938	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4		x5

x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						

2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	6.4814735	5.9398740	1.4131262	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	8.3275092	7.7848006	7.7973340	6.6336921
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	6.4814735	5.9398740	8.4841940	2.7289346	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036

3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	6.4814735	5.9398740	8.4841940	9.8000024	-1.6247971	-1.3545
16						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						
	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	1.4830060	0.2200037	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						

67600816311057	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
8	6.4814735	5.9398740	8.4841940	9.8000024	5.4462707	-1.3545
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	8.3275092	7.7848006	7.7973340	6.6336921
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5
x6					
128977212297600523157	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867
8	6.4814735	5.9398740	8.4841940	9.8000024	5.4462707
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	8.3275092	7.7848006	7.7973340	6.6336921
8	1.4830060	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879



	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	6.4814735	5.9398740	8.4841940	9.8000024	5.4462707	5.7165
52						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	8.3275092	7.7848006	7.7973340	6.6336921
8	8.5540738	0.2200037	-0.3112287	-2.1170410
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	6.4814735	5.9398740	8.4841940	9.8000024	5.4462707	5.7165
52						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						

10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						
	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	8.5540738	7.2910715	-0.3112287	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						
4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	6.4814735	5.9398740	8.4841940	9.8000024	5.4462707	5.7165
52						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						
	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	8.5540738	7.2910715	6.7598391	-2.1170410		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	
x6						
1	9.1026069	7.3871040	6.0081318	6.7979537	7.0264171	5.5948
28						
2	6.1865032	8.8103950	7.6641536	6.8893385	8.1378791	5.5916
97						
3	7.1476542	7.7273433	6.8235794	7.2830252	7.8428095	6.2070
72						

4	3.6781665	6.4103791	6.3706629	7.5819984	6.9214831	5.6786
12						
5	8.1064972	7.5944395	8.3725424	8.0993564	8.3213360	6.3939
29						
6	7.2824523	8.2288715	8.5007225	5.6022638	8.4993438	7.6245
76						
7	6.9631727	5.5642726	7.9471066	7.6839140	6.1962867	5.9835
00						
8	6.4814735	5.9398740	8.4841940	9.8000024	5.4462707	5.7165
52						
9	-0.7422448	-1.5697995	1.3966905	0.3279243	-0.6908084	2.4813
31						
10	1.0345038	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.0811
57						

	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	8.5540738	7.2910715	6.7598391	4.9540268		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		

	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.7979537	7.0264171	5.594828
2	6.186503	8.8103950	7.6641536	6.8893385	8.1378791	5.591697
3	7.147654	7.7273433	6.8235794	7.2830252	7.8428095	6.207072
4	3.678166	6.4103791	6.3706629	7.5819984	6.9214831	5.678612
5	8.106497	7.5944395	8.3725424	8.0993564	8.3213360	6.393929
6	7.282452	8.2288715	8.5007225	5.6022638	8.4993438	7.624576
7	6.963173	5.5642726	7.9471066	7.6839140	6.1962867	5.983500
8	6.481473	5.9398740	8.4841940	9.8000024	5.4462707	5.716552
9	6.328823	-1.5697995	1.3966905	0.3279243	-0.6908084	2.481331
10	1.034504	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.081157

	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	8.5540738	7.2910715	6.7598391	4.9540268		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		

	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.7979537	7.0264171	5.594828
2	6.186503	8.8103950	7.6641536	6.8893385	8.1378791	5.591697
3	7.147654	7.7273433	6.8235794	7.2830252	7.8428095	6.207072
4	3.678166	6.4103791	6.3706629	7.5819984	6.9214831	5.678612
5	8.106497	7.5944395	8.3725424	8.0993564	8.3213360	6.393929
6	7.282452	8.2288715	8.5007225	5.6022638	8.4993438	7.624576

7	6.963173	5.5642726	7.9471066	7.6839140	6.1962867	5.983500
8	6.481473	5.9398740	8.4841940	9.8000024	5.4462707	5.716552
9	6.328823	5.5012683	1.3966905	0.3279243	-0.6908084	2.481331
10	1.034504	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.081157

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	8.3275092	7.7848006	7.7973340	6.6336921
8	8.5540738	7.2910715	6.7598391	4.9540268
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.7979537	7.0264171	5.594828
2	6.186503	8.8103950	7.6641536	6.8893385	8.1378791	5.591697
3	7.147654	7.7273433	6.8235794	7.2830252	7.8428095	6.207072
4	3.678166	6.4103791	6.3706629	7.5819984	6.9214831	5.678612
5	8.106497	7.5944395	8.3725424	8.0993564	8.3213360	6.393929
6	7.282452	8.2288715	8.5007225	5.6022638	8.4993438	7.624576
7	6.963173	5.5642726	7.9471066	7.6839140	6.1962867	5.983500
8	6.481473	5.9398740	8.4841940	9.8000024	5.4462707	5.716552
9	6.328823	5.5012683	8.4677584	0.3279243	-0.6908084	2.481331
10	1.034504	-0.8258566	0.8058419	-1.0044392	0.8621030	-1.081157

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149
6	6.8465983	6.9527115	6.8944944	7.9835264
7	8.3275092	7.7848006	7.7973340	6.6336921
8	8.5540738	7.2910715	6.7598391	4.9540268
9	0.1077927	-1.4033834	-0.3011656	1.2163323
10	-1.5960670	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.797954	7.0264171	5.594828
2	6.186503	8.8103950	7.6641536	6.889339	8.1378791	5.591697
3	7.147654	7.7273433	6.8235794	7.283025	7.8428095	6.207072
4	3.678166	6.4103791	6.3706629	7.581998	6.9214831	5.678612
5	8.106497	7.5944395	8.3725424	8.099356	8.3213360	6.393929
6	7.282452	8.2288715	8.5007225	5.602264	8.4993438	7.624576
7	6.963173	5.5642726	7.9471066	7.683914	6.1962867	5.983500
8	6.481473	5.9398740	8.4841940	9.800002	5.4462707	5.716552
9	6.328823	5.5012683	8.4677584	7.398992	-0.6908084	2.481331
10	1.034504	-0.8258566	0.8058419	-1.004439	0.8621030	-1.081157

	x7	x8	x9	x10
1	6.0088796	9.8508331	7.6763297	8.0877552
2	6.4440230	6.2261443	8.4680619	8.0593036
3	8.3268183	6.5125395	6.4875988	5.3160638
4	7.3964769	7.8731346	7.7341351	5.4974289
5	6.6616574	9.0212923	6.7054840	6.3998149

6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	8.5540738	7.2910715	6.7598391	4.9540268		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.797954	7.026417	5.594828
2	6.186503	8.8103950	7.6641536	6.889339	8.137879	5.591697
3	7.147654	7.7273433	6.8235794	7.283025	7.842809	6.207072
4	3.678166	6.4103791	6.3706629	7.581998	6.921483	5.678612
5	8.106497	7.5944395	8.3725424	8.099356	8.321336	6.393929
6	7.282452	8.2288715	8.5007225	5.602264	8.499344	7.624576
7	6.963173	5.5642726	7.9471066	7.683914	6.196287	5.983500
8	6.481473	5.9398740	8.4841940	9.800002	5.446271	5.716552
9	6.328823	5.5012683	8.4677584	7.398992	6.380259	2.481331
10	1.034504	-0.8258566	0.8058419	-1.004439	0.862103	-1.081157
	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	8.5540738	7.2910715	6.7598391	4.9540268		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.797954	7.026417	5.594828
2	6.186503	8.8103950	7.6641536	6.889339	8.137879	5.591697
3	7.147654	7.7273433	6.8235794	7.283025	7.842809	6.207072
4	3.678166	6.4103791	6.3706629	7.581998	6.921483	5.678612
5	8.106497	7.5944395	8.3725424	8.099356	8.321336	6.393929
6	7.282452	8.2288715	8.5007225	5.602264	8.499344	7.624576
7	6.963173	5.5642726	7.9471066	7.683914	6.196287	5.983500
8	6.481473	5.9398740	8.4841940	9.800002	5.446271	5.716552
9	6.328823	5.5012683	8.4677584	7.398992	6.380259	9.552398
10	1.034504	-0.8258566	0.8058419	-1.004439	0.862103	-1.081157
	x7	x8	x9	x10		
1	6.0088796	9.8508331	7.6763297	8.0877552		
2	6.4440230	6.2261443	8.4680619	8.0593036		
3	8.3268183	6.5125395	6.4875988	5.3160638		
4	7.3964769	7.8731346	7.7341351	5.4974289		
5	6.6616574	9.0212923	6.7054840	6.3998149		
6	6.8465983	6.9527115	6.8944944	7.9835264		
7	8.3275092	7.7848006	7.7973340	6.6336921		
8	8.5540738	7.2910715	6.7598391	4.9540268		
9	0.1077927	-1.4033834	-0.3011656	1.2163323		
10	-1.5960670	0.7749825	-2.6284431	-0.1120879		
	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.797954	7.026417	5.594828
2	6.186503	8.8103950	7.6641536	6.889339	8.137879	5.591697
3	7.147654	7.7273433	6.8235794	7.283025	7.842809	6.207072
4	3.678166	6.4103791	6.3706629	7.581998	6.921483	5.678612

5	8.106497	7.5944395	8.3725424	8.099356	8.321336	6.393929
6	7.282452	8.2288715	8.5007225	5.602264	8.499344	7.624576
7	6.963173	5.5642726	7.9471066	7.683914	6.196287	5.983500
8	6.481473	5.9398740	8.4841940	9.800002	5.446271	5.716552
9	6.328823	5.5012683	8.4677584	7.398992	6.380259	9.552398
10	1.034504	-0.8258566	0.8058419	-1.004439	0.862103	-1.081157

	x7	x8	x9	x10
1	6.008880	9.8508331	7.6763297	8.0877552
2	6.444023	6.2261443	8.4680619	8.0593036
3	8.326818	6.5125395	6.4875988	5.3160638
4	7.396477	7.8731346	7.7341351	5.4974289
5	6.661657	9.0212923	6.7054840	6.3998149
6	6.846598	6.9527115	6.8944944	7.9835264
7	8.327509	7.7848006	7.7973340	6.6336921
8	8.554074	7.2910715	6.7598391	4.9540268
9	7.178861	-1.4033834	-0.3011656	1.2163323
10	-1.596067	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.797954	7.026417	5.594828
2	6.186503	8.8103950	7.6641536	6.889339	8.137879	5.591697
3	7.147654	7.7273433	6.8235794	7.283025	7.842809	6.207072
4	3.678166	6.4103791	6.3706629	7.581998	6.921483	5.678612
5	8.106497	7.5944395	8.3725424	8.099356	8.321336	6.393929
6	7.282452	8.2288715	8.5007225	5.602264	8.499344	7.624576
7	6.963173	5.5642726	7.9471066	7.683914	6.196287	5.983500
8	6.481473	5.9398740	8.4841940	9.800002	5.446271	5.716552
9	6.328823	5.5012683	8.4677584	7.398992	6.380259	9.552398
10	1.034504	-0.8258566	0.8058419	-1.004439	0.862103	-1.081157

	x7	x8	x9	x10
1	6.008880	9.8508331	7.6763297	8.0877552
2	6.444023	6.2261443	8.4680619	8.0593036
3	8.326818	6.5125395	6.4875988	5.3160638
4	7.396477	7.8731346	7.7341351	5.4974289
5	6.661657	9.0212923	6.7054840	6.3998149
6	6.846598	6.9527115	6.8944944	7.9835264
7	8.327509	7.7848006	7.7973340	6.6336921
8	8.554074	7.2910715	6.7598391	4.9540268
9	7.178861	5.6676844	-0.3011656	1.2163323
10	-1.596067	0.7749825	-2.6284431	-0.1120879

	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.797954	7.026417	5.594828
2	6.186503	8.8103950	7.6641536	6.889339	8.137879	5.591697
3	7.147654	7.7273433	6.8235794	7.283025	7.842809	6.207072
4	3.678166	6.4103791	6.3706629	7.581998	6.921483	5.678612
5	8.106497	7.5944395	8.3725424	8.099356	8.321336	6.393929
6	7.282452	8.2288715	8.5007225	5.602264	8.499344	7.624576
7	6.963173	5.5642726	7.9471066	7.683914	6.196287	5.983500
8	6.481473	5.9398740	8.4841940	9.800002	5.446271	5.716552
9	6.328823	5.5012683	8.4677584	7.398992	6.380259	9.552398
10	1.034504	-0.8258566	0.8058419	-1.004439	0.862103	-1.081157

	x7	x8	x9	x10
1	6.008880	9.8508331	7.676330	8.0877552
2	6.444023	6.2261443	8.468062	8.0593036
3	8.326818	6.5125395	6.487599	5.3160638

4	7.396477	7.8731346	7.734135	5.4974289		
5	6.661657	9.0212923	6.705484	6.3998149		
6	6.846598	6.9527115	6.894494	7.9835264		
7	8.327509	7.7848006	7.797334	6.6336921		
8	8.554074	7.2910715	6.759839	4.9540268		
9	7.178861	5.6676844	6.769902	1.2163323		
10	-1.596067	0.7749825	-2.628443	-0.1120879		
	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.797954	7.026417	5.594828
2	6.186503	8.8103950	7.6641536	6.889339	8.137879	5.591697
3	7.147654	7.7273433	6.8235794	7.283025	7.842809	6.207072
4	3.678166	6.4103791	6.3706629	7.581998	6.921483	5.678612
5	8.106497	7.5944395	8.3725424	8.099356	8.321336	6.393929
6	7.282452	8.2288715	8.5007225	5.602264	8.499344	7.624576
7	6.963173	5.5642726	7.9471066	7.683914	6.196287	5.983500
8	6.481473	5.9398740	8.4841940	9.800002	5.446271	5.716552
9	6.328823	5.5012683	8.4677584	7.398992	6.380259	9.552398
10	1.034504	-0.8258566	0.8058419	-1.004439	0.862103	-1.081157
	x7	x8	x9	x10		
1	6.008880	9.8508331	7.676330	8.0877552		
2	6.444023	6.2261443	8.468062	8.0593036		
3	8.326818	6.5125395	6.487599	5.3160638		
4	7.396477	7.8731346	7.734135	5.4974289		
5	6.661657	9.0212923	6.705484	6.3998149		
6	6.846598	6.9527115	6.894494	7.9835264		
7	8.327509	7.7848006	7.797334	6.6336921		
8	8.554074	7.2910715	6.759839	4.9540268		
9	7.178861	5.6676844	6.769902	8.2874001		
10	-1.596067	0.7749825	-2.628443	-0.1120879		
	x1	x2	x3	x4	x5	x6
1	9.102607	7.3871040	6.0081318	6.797954	7.026417	5.594828
2	6.186503	8.8103950	7.6641536	6.889339	8.137879	5.591697
3	7.147654	7.7273433	6.8235794	7.283025	7.842809	6.207072
4	3.678166	6.4103791	6.3706629	7.581998	6.921483	5.678612
5	8.106497	7.5944395	8.3725424	8.099356	8.321336	6.393929
6	7.282452	8.2288715	8.5007225	5.602264	8.499344	7.624576
7	6.963173	5.5642726	7.9471066	7.683914	6.196287	5.983500
8	6.481473	5.9398740	8.4841940	9.800002	5.446271	5.716552
9	6.328823	5.5012683	8.4677584	7.398992	6.380259	9.552398
10	8.105572	-0.8258566	0.8058419	-1.004439	0.862103	-1.081157
	x7	x8	x9	x10		
1	6.008880	9.8508331	7.676330	8.0877552		
2	6.444023	6.2261443	8.468062	8.0593036		
3	8.326818	6.5125395	6.487599	5.3160638		
4	7.396477	7.8731346	7.734135	5.4974289		
5	6.661657	9.0212923	6.705484	6.3998149		
6	6.846598	6.9527115	6.894494	7.9835264		
7	8.327509	7.7848006	7.797334	6.6336921		
8	8.554074	7.2910715	6.759839	4.9540268		
9	7.178861	5.6676844	6.769902	8.2874001		
10	-1.596067	0.7749825	-2.628443	-0.1120879		
	x1	x2	x3	x4	x5	x6
x7						

1	9.102607	7.387104	6.0081318	6.797954	7.026417	5.594828	6.0
08880							
2	6.186503	8.810395	7.6641536	6.889339	8.137879	5.591697	6.4
44023							
3	7.147654	7.727343	6.8235794	7.283025	7.842809	6.207072	8.3
26818							
4	3.678166	6.410379	6.3706629	7.581998	6.921483	5.678612	7.3
96477							
5	8.106497	7.594440	8.3725424	8.099356	8.321336	6.393929	6.6
61657							
6	7.282452	8.228871	8.5007225	5.602264	8.499344	7.624576	6.8
46598							
7	6.963173	5.564273	7.9471066	7.683914	6.196287	5.983500	8.3
27509							
8	6.481473	5.939874	8.4841940	9.800002	5.446271	5.716552	8.5
54074							
9	6.328823	5.501268	8.4677584	7.398992	6.380259	9.552398	7.1
78861							
10	8.105572	6.245211	0.8058419	-1.004439	0.862103	-1.081157	-1.5
96067							

	x8	x9	x10
1	9.8508331	7.676330	8.0877552
2	6.2261443	8.468062	8.0593036
3	6.5125395	6.487599	5.3160638
4	7.8731346	7.734135	5.4974289
5	9.0212923	6.705484	6.3998149
6	6.9527115	6.894494	7.9835264
7	7.7848006	7.797334	6.6336921
8	7.2910715	6.759839	4.9540268
9	5.6676844	6.769902	8.2874001
10	0.7749825	-2.628443	-0.1120879

	x1	x2	x3	x4	x5	x6	
x7							
1	9.102607	7.387104	6.008132	6.797954	7.026417	5.594828	6.00
8880							
2	6.186503	8.810395	7.664154	6.889339	8.137879	5.591697	6.44
4023							
3	7.147654	7.727343	6.823579	7.283025	7.842809	6.207072	8.32
6818							
4	3.678166	6.410379	6.370663	7.581998	6.921483	5.678612	7.39
6477							
5	8.106497	7.594440	8.372542	8.099356	8.321336	6.393929	6.66
1657							
6	7.282452	8.228871	8.500722	5.602264	8.499344	7.624576	6.84
6598							
7	6.963173	5.564273	7.947107	7.683914	6.196287	5.983500	8.32
7509							
8	6.481473	5.939874	8.484194	9.800002	5.446271	5.716552	8.55
4074							
9	6.328823	5.501268	8.467758	7.398992	6.380259	9.552398	7.17
8861							
10	8.105572	6.245211	7.876910	-1.004439	0.862103	-1.081157	-1.59
6067							

x8	x9	x10
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1	9.8508331	7.676330	8.0877552
2	6.2261443	8.468062	8.0593036
3	6.5125395	6.487599	5.3160638
4	7.8731346	7.734135	5.4974289
5	9.0212923	6.705484	6.3998149
6	6.9527115	6.894494	7.9835264
7	7.7848006	7.797334	6.6336921
8	7.2910715	6.759839	4.9540268
9	5.6676844	6.769902	8.2874001
10	0.7749825	-2.628443	-0.1120879

	x1	x2	x3	x4	x5	x6
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x7

1	9.102607	7.387104	6.008132	6.797954	7.026417	5.594828	6.008
2	6.186503	8.810395	7.664154	6.889339	8.137879	5.591697	6.444
3	7.147654	7.727343	6.823579	7.283025	7.842809	6.207072	8.326
4	3.678166	6.410379	6.370663	7.581998	6.921483	5.678612	7.396
5	8.106497	7.594440	8.372542	8.099356	8.321336	6.393929	6.661
6	7.282452	8.228871	8.500722	5.602264	8.499344	7.624576	6.846
7	6.963173	5.564273	7.947107	7.683914	6.196287	5.983500	8.327
8	6.481473	5.939874	8.484194	9.800002	5.446271	5.716552	8.554
9	6.328823	5.501268	8.467758	7.398992	6.380259	9.552398	7.178
10	8.105572	6.245211	7.876910	6.066629	0.862103	-1.081157	-1.596

	x8	x9	x10
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1	9.8508331	7.676330	8.0877552
2	6.2261443	8.468062	8.0593036
3	6.5125395	6.487599	5.3160638
4	7.8731346	7.734135	5.4974289
5	9.0212923	6.705484	6.3998149
6	6.9527115	6.894494	7.9835264
7	7.7848006	7.797334	6.6336921
8	7.2910715	6.759839	4.9540268
9	5.6676844	6.769902	8.2874001
10	0.7749825	-2.628443	-0.1120879

	x1	x2	x3	x4	x5	x6
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x7

1	9.102607	7.387104	6.008132	6.797954	7.026417	5.594828	6.008
2	6.186503	8.810395	7.664154	6.889339	8.137879	5.591697	6.444
3	7.147654	7.727343	6.823579	7.283025	7.842809	6.207072	8.326
4	3.678166	6.410379	6.370663	7.581998	6.921483	5.678612	7.396

5	8.106497	7.594440	8.372542	8.099356	8.321336	6.393929	6.661
657							
6	7.282452	8.228871	8.500722	5.602264	8.499344	7.624576	6.846
598							
7	6.963173	5.564273	7.947107	7.683914	6.196287	5.983500	8.327
509							
8	6.481473	5.939874	8.484194	9.800002	5.446271	5.716552	8.554
074							
9	6.328823	5.501268	8.467758	7.398992	6.380259	9.552398	7.178
861							
10	8.105572	6.245211	7.876910	6.066629	7.933171	-1.081157	-1.596
067							

	x8	x9	x10
1	9.8508331	7.676330	8.0877552
2	6.2261443	8.468062	8.0593036
3	6.5125395	6.487599	5.3160638
4	7.8731346	7.734135	5.4974289
5	9.0212923	6.705484	6.3998149
6	6.9527115	6.894494	7.9835264
7	7.7848006	7.797334	6.6336921
8	7.2910715	6.759839	4.9540268
9	5.6676844	6.769902	8.2874001
10	0.7749825	-2.628443	-0.1120879

	x1	x2	x3	x4	x5	x6
x7						
1	9.102607	7.387104	6.008132	6.797954	7.026417	5.594828
80						
2	6.186503	8.810395	7.664154	6.889339	8.137879	5.591697
23						
3	7.147654	7.727343	6.823579	7.283025	7.842809	6.207072
18						
4	3.678166	6.410379	6.370663	7.581998	6.921483	5.678612
77						
5	8.106497	7.594440	8.372542	8.099356	8.321336	6.393929
57						
6	7.282452	8.228871	8.500722	5.602264	8.499344	7.624576
98						
7	6.963173	5.564273	7.947107	7.683914	6.196287	5.983500
09						
8	6.481473	5.939874	8.484194	9.800002	5.446271	5.716552
74						
9	6.328823	5.501268	8.467758	7.398992	6.380259	9.552398
61						
10	8.105572	6.245211	7.876910	6.066629	7.933171	5.989911
67						-1.5960

	x8	x9	x10
1	9.8508331	7.676330	8.0877552
2	6.2261443	8.468062	8.0593036
3	6.5125395	6.487599	5.3160638
4	7.8731346	7.734135	5.4974289
5	9.0212923	6.705484	6.3998149
6	6.9527115	6.894494	7.9835264
7	7.7848006	7.797334	6.6336921
8	7.2910715	6.759839	4.9540268

9	5.6676844	6.769902	8.2874001				
10	0.7749825	-2.628443	-0.1120879				
	x1	x2	x3	x4	x5	x6	x
7							
1	9.102607	7.387104	6.008132	6.797954	7.026417	5.594828	6.00888
0							
2	6.186503	8.810395	7.664154	6.889339	8.137879	5.591697	6.44402
3							
3	7.147654	7.727343	6.823579	7.283025	7.842809	6.207072	8.32681
8							
4	3.678166	6.410379	6.370663	7.581998	6.921483	5.678612	7.39647
7							
5	8.106497	7.594440	8.372542	8.099356	8.321336	6.393929	6.66165
7							
6	7.282452	8.228871	8.500722	5.602264	8.499344	7.624576	6.84659
8							
7	6.963173	5.564273	7.947107	7.683914	6.196287	5.983500	8.32750
9							
8	6.481473	5.939874	8.484194	9.800002	5.446271	5.716552	8.55407
4							
9	6.328823	5.501268	8.467758	7.398992	6.380259	9.552398	7.17886
1							
10	8.105572	6.245211	7.876910	6.066629	7.933171	5.989911	5.47500
1							
	x8	x9	x10				
1	9.8508331	7.676330	8.0877552				
2	6.2261443	8.468062	8.0593036				
3	6.5125395	6.487599	5.3160638				
4	7.8731346	7.734135	5.4974289				
5	9.0212923	6.705484	6.3998149				
6	6.9527115	6.894494	7.9835264				
7	7.7848006	7.797334	6.6336921				
8	7.2910715	6.759839	4.9540268				
9	5.6676844	6.769902	8.2874001				
10	0.7749825	-2.628443	-0.1120879				
	x1	x2	x3	x4	x5	x6	x
7							
1	9.102607	7.387104	6.008132	6.797954	7.026417	5.594828	6.00888
0							
2	6.186503	8.810395	7.664154	6.889339	8.137879	5.591697	6.44402
3							
3	7.147654	7.727343	6.823579	7.283025	7.842809	6.207072	8.32681
8							
4	3.678166	6.410379	6.370663	7.581998	6.921483	5.678612	7.39647
7							
5	8.106497	7.594440	8.372542	8.099356	8.321336	6.393929	6.66165
7							
6	7.282452	8.228871	8.500722	5.602264	8.499344	7.624576	6.84659
8							
7	6.963173	5.564273	7.947107	7.683914	6.196287	5.983500	8.32750
9							
8	6.481473	5.939874	8.484194	9.800002	5.446271	5.716552	8.55407
4							

9	6.328823	5.501268	8.467758	7.398992	6.380259	9.552398	7.17886
10	8.105572	6.245211	7.876910	6.066629	7.933171	5.989911	5.47500

	x8	x9	x10
1	9.850833	7.676330	8.0877552
2	6.226144	8.468062	8.0593036
3	6.512540	6.487599	5.3160638
4	7.873135	7.734135	5.4974289
5	9.021292	6.705484	6.3998149
6	6.952712	6.894494	7.9835264
7	7.784801	7.797334	6.6336921
8	7.291071	6.759839	4.9540268
9	5.667684	6.769902	8.2874001
10	7.846050	-2.628443	-0.1120879

	x1	x2	x3	x4	x5	x6	x
7							
1	9.102607	7.387104	6.008132	6.797954	7.026417	5.594828	6.00888
0							
2	6.186503	8.810395	7.664154	6.889339	8.137879	5.591697	6.44402
3							
3	7.147654	7.727343	6.823579	7.283025	7.842809	6.207072	8.32681
8							
4	3.678166	6.410379	6.370663	7.581998	6.921483	5.678612	7.39647
7							
5	8.106497	7.594440	8.372542	8.099356	8.321336	6.393929	6.66165
7							
6	7.282452	8.228871	8.500722	5.602264	8.499344	7.624576	6.84659
8							
7	6.963173	5.564273	7.947107	7.683914	6.196287	5.983500	8.32750
9							
8	6.481473	5.939874	8.484194	9.800002	5.446271	5.716552	8.55407
4							
9	6.328823	5.501268	8.467758	7.398992	6.380259	9.552398	7.17886
1							
10	8.105572	6.245211	7.876910	6.066629	7.933171	5.989911	5.47500
1							

	x8	x9	x10
1	9.850833	7.676330	8.0877552
2	6.226144	8.468062	8.0593036
3	6.512540	6.487599	5.3160638
4	7.873135	7.734135	5.4974289
5	9.021292	6.705484	6.3998149
6	6.952712	6.894494	7.9835264
7	7.784801	7.797334	6.6336921
8	7.291071	6.759839	4.9540268
9	5.667684	6.769902	8.2874001
10	7.846050	4.442625	-0.1120879

	x1	x2	x3	x4	x5	x6	x
7							
1	9.102607	7.387104	6.008132	6.797954	7.026417	5.594828	6.00888
0							
2	6.186503	8.810395	7.664154	6.889339	8.137879	5.591697	6.44402
3							

3	7.147654	7.727343	6.823579	7.283025	7.842809	6.207072	8.32681
8							
4	3.678166	6.410379	6.370663	7.581998	6.921483	5.678612	7.39647
7							
5	8.106497	7.594440	8.372542	8.099356	8.321336	6.393929	6.66165
7							
6	7.282452	8.228871	8.500722	5.602264	8.499344	7.624576	6.84659
8							
7	6.963173	5.564273	7.947107	7.683914	6.196287	5.983500	8.32750
9							
8	6.481473	5.939874	8.484194	9.800002	5.446271	5.716552	8.55407
4							
9	6.328823	5.501268	8.467758	7.398992	6.380259	9.552398	7.17886
1							
10	8.105572	6.245211	7.876910	6.066629	7.933171	5.989911	5.47500
1							

	x8	x9	x10
1	9.850833	7.676330	8.087755
2	6.226144	8.468062	8.059304
3	6.512540	6.487599	5.316064
4	7.873135	7.734135	5.497429
5	9.021292	6.705484	6.399815
6	6.952712	6.894494	7.983526
7	7.784801	7.797334	6.633692
8	7.291071	6.759839	4.954027
9	5.667684	6.769902	8.287400
10	7.846050	4.442625	6.958980