

1 matrix1.txt matrix2.txt

The summation result is

2	4
4	8

2

matrix3.txt matrix1.txt

The multiplication result is

5	10
10	20
3	6

3

m4.txt

The transpose result is

1	2	-1	1	2	-1	1	2	-1	1
2	4	-2	2	4	-2	2	4	-2	2
3	6	-3	3	6	-3	3	6	-3	3
4	8	-4	4	8	-4	4	8	-4	4
5	10	-5	5	10	-5	5	10	-5	5
6	12	-6	6	12	-6	6	12	-6	6
7	14	-7	7	14	-7	7	14	-7	7
8	16	-8	8	16	-8	8	16	-8	8
9	18	-9	9	18	-9	9	18	-9	9
0	20	0	0	20	0	0	20	0	0

4

1

m1 is

1	2	3	4	5	6	7	8	9	0
2	4	6	8	10	12	14	16	18	20
-1	-2	-3	-4	-5	-6	-7	-8	-9	0
1	2	3	4	5	6	7	8	9	0
2	4	6	8	10	12	14	16	18	20
-1	-2	-3	-4	-5	-6	-7	-8	-9	0
1	2	3	4	5	6	7	8	9	0
2	4	6	8	10	12	14	16	18	20
-1	-2	-3	-4	-5	-6	-7	-8	-9	0
1	2	3	4	5	6	7	8	9	0

4

2

m2 is

1	2
2	4

5