



$i$	$j$	$A[i]$	$B[j]$	$L$	$P$
1	1	5	5	1	0
1	2	5	0	1	0
1	3	5	7	1	0
1	4	5	2	1	0
2	1	9	5	1	0
2	2	9	0	1	0
2	3	9	7	1	0
2	4	9	2	1	0
3	1	8	5	1	0
3	2	8	0	1	0
3	3	8	7	1	0
3	4	8	2	1	0
4	1	1	5	1	0
4	2	1	0	1	0
4	3	1	7	1	0
4	4	1	2	1	0

i	j	A[i]	B[j]	k	l
1	1	1	1	1	0
1	2	1	2	1	0
1	3	1	3	1	0
1	4	1	4	1	0
2	1	2	1	1	0
2	2	2	2	2	0
2	3	2	3	2	0
2	4	2	4	2	0
3	1	3	1	2	0
3	2	3	2	2	0
3	3	3	3	3	0
3	4	3	4	3	0
4	1	4	1	3	0
4	2	4	2	3	0
4	3	4	3	3	0
4	4	4	4	4	0

+4

input 1234  
guess 1234

$i$	$J$	$A[i]$	$B[j]$	$k$	$\rho$
1	1	3	1	0	0
1	2	3	2	0	0
1	3	3	3	0	-1
1	4	3	4	0	-1
2	1	1	1	0	-2
2	2	1	2	0	-2
2	3	1	3	0	-2
2	4	1	4	0	-2
3	1	9	1	0	-2
3	2	9	2	0	-2
3	3	9	3	0	-2
3	4	9	4	0	-2
4	1	4	1	0	-2
4	2	4	2	0	-2
4	3	4	3	0	-2
4	4	4	4	+1	-2

input 1234  
guess 3194

(+1 -2)

i	j	A[i]	B[j]	k	e
1	1	5	1	0	0
1	2	5	2	0	0
1	3	5	3	0	0
1	4	5	4	0	0
2	1	6	1	0	0
2	2	6	2	0	0
2	3	6	3	0	0
2	4	6	4	0	0
3	1	7	1	0	0
3	2	7	2	0	0
3	3	7	3	0	0
3	4	7	4	0	0
4	1	8	1	0	0
4	2	8	2	0	0
4	3	8	3	0	0
4	3	8	4	0	0

0  
1

input = 1234  
guess = 5678