Original

1	10	1	-1	2	4	-42	-3	1	10
-8	12	-9	1	1	0	1	0	1	1
1	-1	1	1	1	1	1	1	1	1
1	1	1	-1	1	-1	1	1	1	1
1	1	-32	1	18	1	1	1	-8	0
1	1	1	1	0	-1	1	-1	1	1
1	2	9	-5	1	-1	1	1	-1	1
1	1	-8	1	1	-1	0	1	0	0
1	1	1	1	-55	1	1	1	1	1
1	0	1	0	1	1	10	1	1	1
1	1	1	3	1	2	-1	-7	-1	0

Precomputation

1	11	12							