



Print those scores!

0	1	None	21	22	23	24	25	26	27
1	2	None	20	21	22	23	24	25	26
2	3	None	19	20	21	22	23	24	25
3	4	None	18	19	20	21	22	23	24
4	5	None	17	18	19	20	21	22	23
5	6	None	16	17	18	19	20	21	22
6	7	None	15	16	17	18	19	20	21
7	8	None	14	15	16	17	18	19	20
8	9	None	13	14	15	16	17	18	19
9	10	11	12	13	14	15	16	17	

g_cost counts the steps from Paul to the cake for each possible route .

18	17	None	15	14	13	12	11	10	9
17	16	None	14	13	12	11	10	9	8
16	15	None	13	12	11	10	9	8	7
15	14	None	12	11	10	9	8	7	6
14	13	None	11	10	9	8	7	6	5
13	12	None	10	9	8	7	6	5	4
12	11	None	9	8	7	6	5	4	3
11	10	None	8	7	6	5	4	3	2
10	9	None	7	6	5	4	3	2	1
9	8	7	6	5	4	3	2	1	

h_cost counts the steps from the cake to Paul for each possible route.

18	18	None	36	36	36	36	36	36	36
18	18	None	34	34	34	34	34	34	34
18	18	None	32	32	32	32	32	32	32
18	18	None	30	30	30	30	30	30	30
18	18	None	28	28	28	28	28	28	28
18	18	None	26	26	26	26	26	26	26
18	18	None	24	24	24	24	24	24	24
18	18	None	22	22	22	22	22	22	22
18	18	None	20	20	20	20	20	20	20
18	18	18	18	18	18	18	18	18	

f_cost displays the final step count between Paul and the cake for each possible route.

Paul gets Diagonals!

0		None	None	23	22	21	20	21	22	23
None	3	None	None	21	20	19	20	21	22	
None	None	6	None	None	19	18	19	20	21	
None	None	7	8	None	18	17	18	19	20	
None	None	None	9	None	17	16	17	18	19	
None	None	None	10	None	None	15	16	17	18	
None	None	None	11	12	13	14	15	16	17	
15	14	13	12	13	14	15	16	17	18	
16	15	14	13	14	15	16	17	18	19	
17	16	15	14	15	16	17	18	19		

Though diagonal steps are costly, Paul has to take two diagonal steps because that is simply the only option.

Paul gets Hops!

0		None	None	None	28	27	26	29	30	31
None	None	None	None	27	26	27	28	29	30	
8	9	None	None	26	25	26	27	28	29	
None	None	12	None	None	24	25	26	27	28	
None	None	None	15	None	23	24	25	26	27	
27	26	None	None	None	24	25	26	27	28	
26	25	24	23	24	25	26	27	28	29	
27	26	25	24	25	26	27	28	29	30	
28	27	26	25	26	27	28	29	30	31	
29	28	27	26	27	28	29	30	31		

Though hopping over a square of lava is costly, Paul has to hop twice because he is surrounded by lava.

