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1   Day 17 notes for part II

It's a cyclical procedure:

start of cmds x(10092)	rocks	height
0	0	0
1	1724	2743
2	3438	5454
3	5154	8165
...	...	...
x	1715*x + 9	2711*x + 32

What we want to know is `1000000000000` rocks, which is:

`1000000000000 = 583090379 * 1715 + 15`

start of cmds x(10092)	rocks	height
583090379	999999999985	1580758017501

start of cmds x(10092)	remainder 15	height
0	15	23
1	1715+15	1743+7

Thus: `1580758017501 + 7 + 1 = 1580758017509`