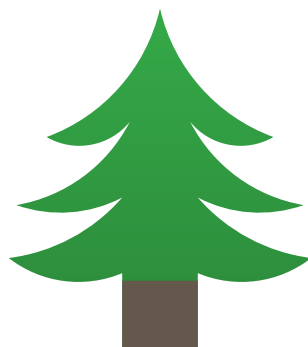


Advent of Code

— 2024 —

by Lord Baryhobal



Stars: 36 / 50

Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1 ★★
2 ★★	3 ★★	4 ★★	5 ★★	6 ★★	7 ★★	8 ★★
9 ★★	10 ★★	11 ★★	12 ★★	13 ★★	14 ★★	15 ★★
16	17 ★	18 ★★	19 ★★	20 ★	21	22
23	24	25				

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Day 1 ★★

Puzzle 1

Example passes

Result: 2113135

Puzzle 2

Example passes



Figure 1: Example (visualization)

Result: 19097157

Day 2 ★★

Puzzle 1

Example passes

Result: 660

Puzzle 2

Example passes



Figure 2: Example (visualization)

Result: 689

Day 3 ★★

Puzzle 1

Example '1' passes

$x \underbrace{\text{mul}(2,4)}_8 \% \text{mul}[3,7] ! @ ^ \text{do_not_} \underbrace{\text{mul}(5,5)}_{25} + \text{mul}(32,64] \text{ then } (\underbrace{\text{mul}(11,8)}_{88} \underbrace{\text{mul}(8,5)}_{40})$

Listing 1: Example '1' (visualization)

Result: 187825547

Puzzle 2

Example '2' passes

Result: 85508223

Day 4★★

Puzzle 1

Example passes

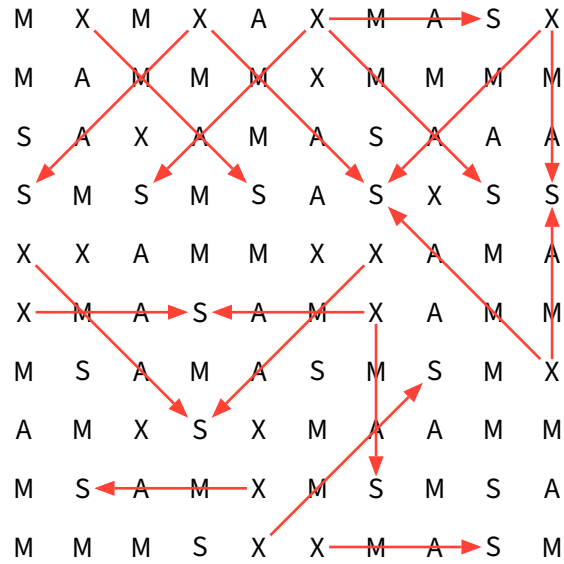


Figure 3: Example (visualization)

Result: 2654

Puzzle 2

Example passes

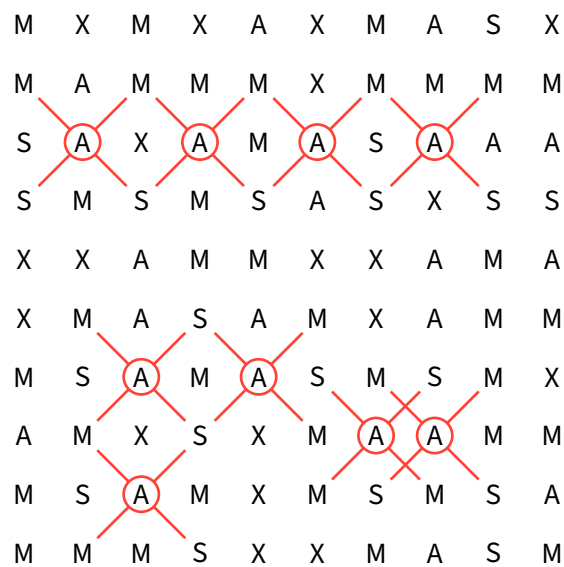


Figure 4: Example (visualization)

Result: 1990

Day 5★★

Puzzle 1

Example passes



Figure 5: Example (visualization)

Result: 5374

Puzzle 2

Example passes

Result: 4260

Day 6 ★★

Puzzle 1

Example passes

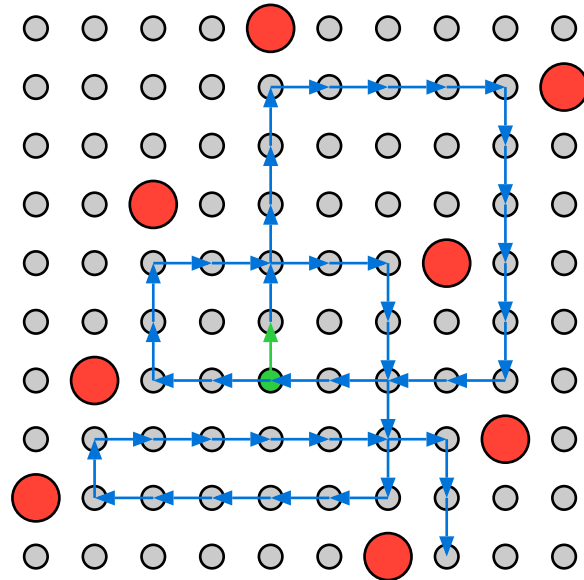


Figure 6: Example (visualization)

Result: 4752

Puzzle 2

Example passes

Result: 1719

Day 7★★

Puzzle 1

Example passes

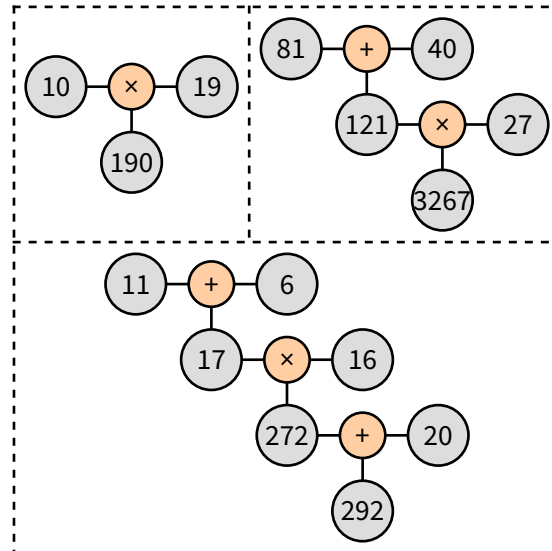


Figure 7: Example (visualization)

Result: 850435817339

Puzzle 2

Example passes

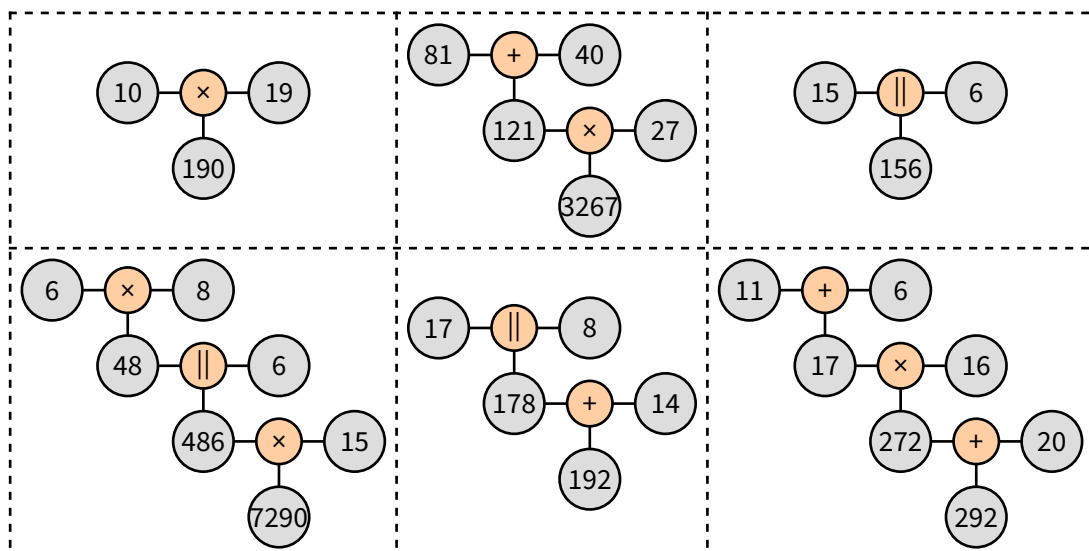


Figure 8: Example (visualization)

Result: 104824810233437

Day 8 ★★

Puzzle 1

Example passes

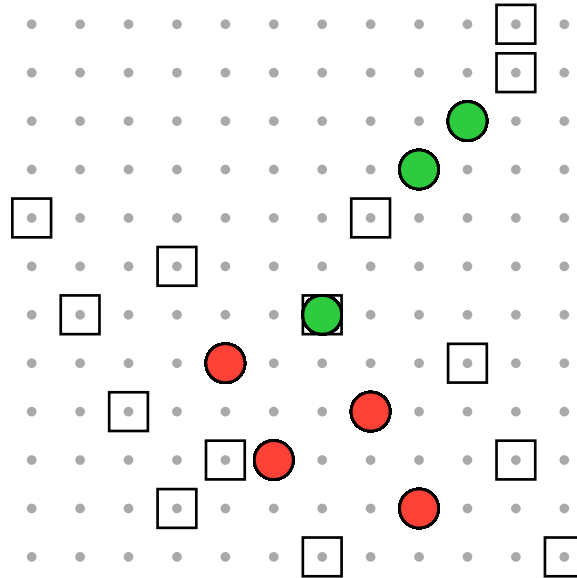


Figure 9: Example (visualization)

Result: 265

Puzzle 2

Example passes

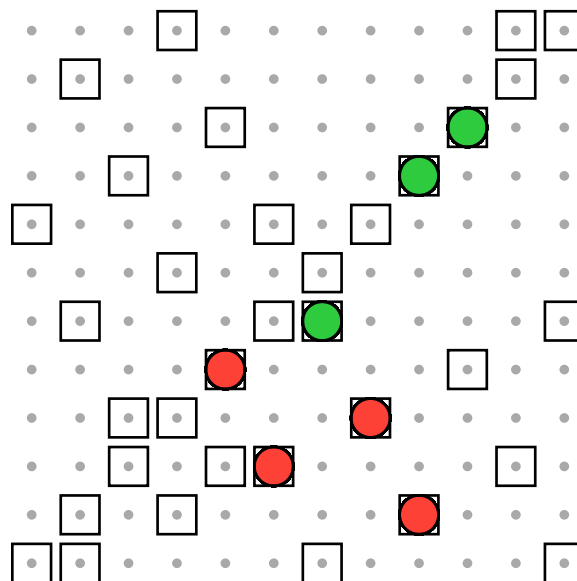


Figure 10: Example (visualization)

Result: 962

Day 9★★

Puzzle 1

Example '1' passes



Figure 11: Example '1' (visualization)

Example '2' passes



Figure 12: Example '2' (visualization)

Result: 6390180901651

Puzzle 2

Example '1' passes



Figure 13: Example '1' (visualization)

Example '2' passes



Figure 14: Example '2' (visualization)

Result: 6412390114238

Day 10★★

Puzzle 1

Example passes

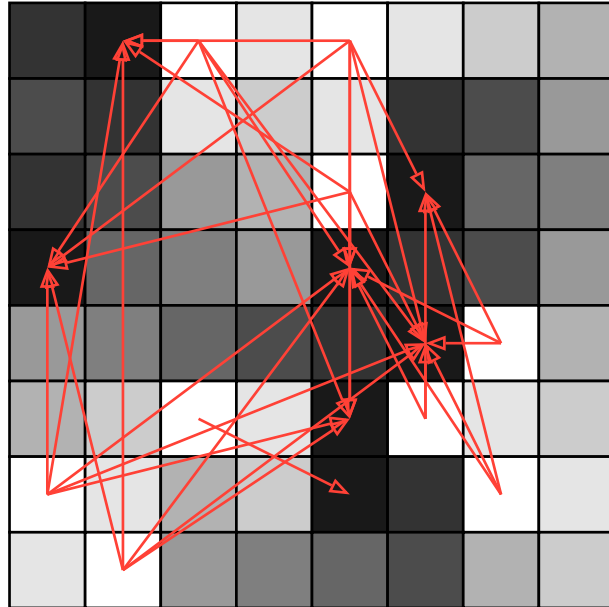


Figure 15: Example (visualization)

Result: 825

Puzzle 2

Example passes

Result: 1805

Day 11 ★★

Puzzle 1

Example passes

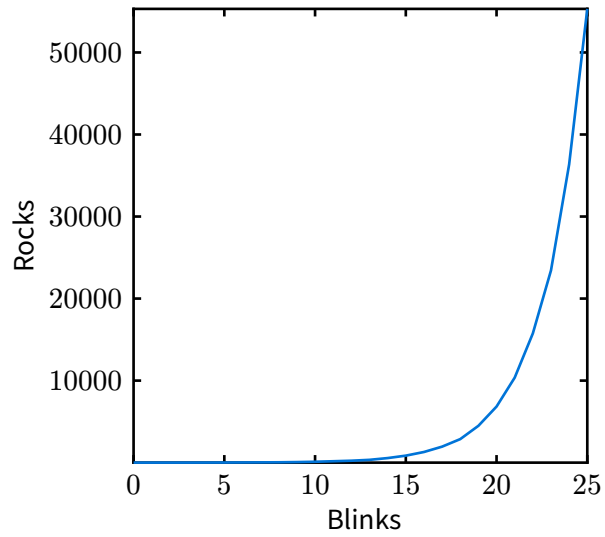


Figure 16: Example (visualization)

Result: 191690

Puzzle 2

Result: 228651922369703

Day 12 ★★

Puzzle 1

Example '1' passes

Example '2' passes

Example '3' passes

Result: 1450422

Puzzle 2

Example '1' passes

Example '2' passes

Example '3' passes

Example '4' passes

Example '5' passes

Result: 906606

Day 13 ★★

Puzzle 1

Example passes

Result: 29438

Puzzle 2

Example passes

Result: 104958599303720

Day 14★★

Puzzle 1

Example passes

Result: 230436441

Puzzle 2

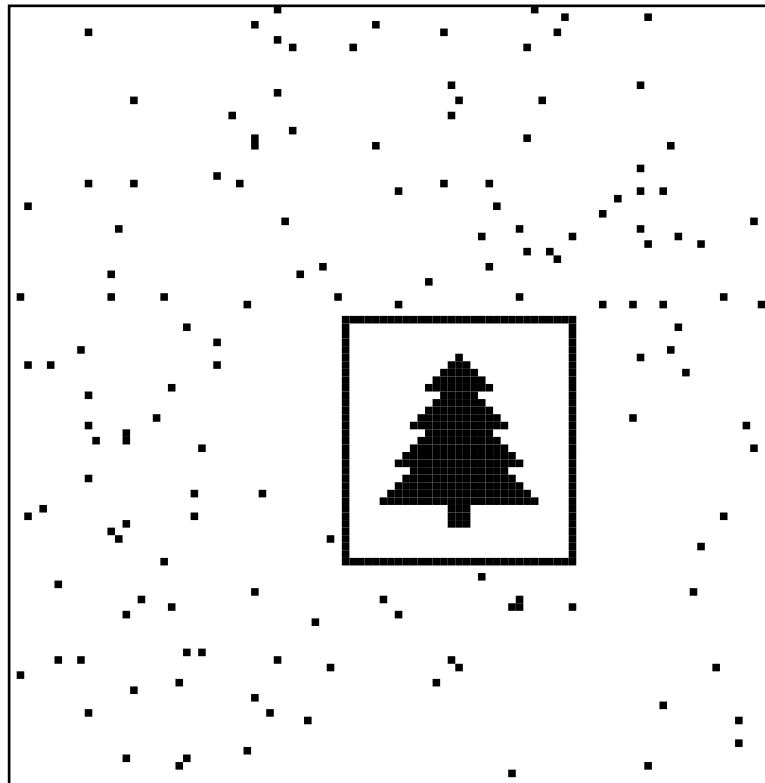


Figure 17: Christmas tree easter egg

Result: 8270

Day 15★★

Puzzle 1

Example '1' passes

Example '2' passes

Result: 1526018

Puzzle 2

Example '2' passes

Result: 1550677

Day 16

Puzzle 1

Example '1' fails

Expected '7036' got '0'

Example '2' fails

Expected '11048' got '0'

Result: 0

Puzzle 2

Day 17★

Puzzle 1

Example '1' passes

Result: "2,7,6,5,6,0,2,3,1"

Puzzle 2

Example:

0,3,5,4,3,0

ADV: A >= 3

OUT: OUT(A & 0b111)

JNZ: IF A != 0 {PC = 0}

Input:

2,4,1,5,7,5,1,6,4,2,5,5,0,3,3,0

BST: B = A & 0b111

BXL: B ^= 5

CDV: C = A >> B

BXL: B ^= 6

BXC: B ^= C

OUT: OUT(B & 0b111)

ADV: A >= 3

JNZ: IF A != 0 {PC = 0}

Day 18★★

Puzzle 1

Example passes

O	O		#	O	O	O
	O	#	O	O	#	O
	O	O	O	#	O	O
			#	O	O	#
		#	O	O	#	
	#		O	#		
#		#	O	O	O	O

Figure 18: Example (visualization)

Result: 290

Puzzle 2

Example passes

Result: "64,54"

Day 19★★

Puzzle 1

Example passes

Result: 258

Puzzle 2

Example passes

Result: 632423618484345

Day 20★

Puzzle 1

Example passes

Example passes

Example passes

Example passes

Example passes

Example passes

Example passes

Example passes

Example passes

Example passes

Example passes

Result: 1429

Puzzle 2

Day 21

Puzzle 1

Example passes

Result: 170862

Puzzle 2