# Advent of Code

## — 2024 —

*by Lord Baryhobal*
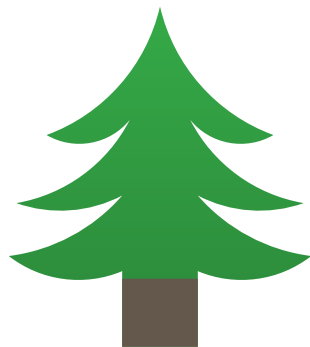
**Stars: 18 / 50**

| 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 |  |  |  |  |

# Contents

# Day 1⭐⭐

## Puzzle 1

Result: 2113135

## Puzzle 2

Figure 1: Example (visualization)

Result: 19097157

# Day 2⭐⭐

## Puzzle 1

Result: 660

## Puzzle 2

| 7 | 6 | 4 | 2 | 1 |
|---|---|---|---|---|
| −1 | −2 | −2 | −1 | |

| 1 | 2 | 7 | 8 | 9 |
|---|---|---|---|---|
| 1 | 5 | 1 | 1 | |

| 9 | 7 | 6 | 2 | 1 |
|---|---|---|---|---|
| −2 | −1 | −4 | −1 | |

| 1 | 3 | 2 | 4 | 5 |
|---|---|---|---|---|
| 2 | −1 | 2 | 1 | |

| 8 | 6 | 4 | 4 | 1 |
|---|---|---|---|---|
| −2 | −2 | 0 | −3 | |

| 1 | 3 | 6 | 7 | 9 |
|---|---|---|---|---|
| 2 | 3 | 1 | 2 | |

Figure 2: Example (visualization)

Result: 689

# Day 3⭐⭐

## Puzzle 1

Example '1' passes

x`mul(2,4)`%&mul[3,7]!@^do_not_`mul(5,5)`+mul(32,64]then(`mul(11,8)``mul(8,5)`)

8                                            25                              88      40

Listing 1: Example '1' (visualization)

Result: 187825547

## Puzzle 2

Example '2' passes

Result: 85508223

## Day 4 ⭐⭐

## Puzzle 1

Example passes

M X M X A X M A S X
M A M M M X M M M M
S A X A M A S A A A
S M S M S A S X S S
X X A M M X X A M A
X M A S A M X A M M
M S A M A S M S M X
A M X S X M A A M M
M S A M X M S M S A
M M M S X X M A S M

Figure 3: Example (visualization)

Result: 2654

## Puzzle 2

Example passes

M X M X A X M A S X
M A M M M X M M M M
S A X A M A S A A A
S M S M S A S X S S
X X A M M X X A M A
X M A S A M X A M M
M S A M A S M S M X
A M X S X M A A M M
M S A M X M S M S A
M M M S X X M A S M

Figure 4: Example (visualization)

Result: 1990

# Day 5⭐⭐

## Puzzle 1

Figure 5: Example (visualization)

Result: 5374

## Puzzle 2

Result: 4260

# Day 6 ⭐⭐
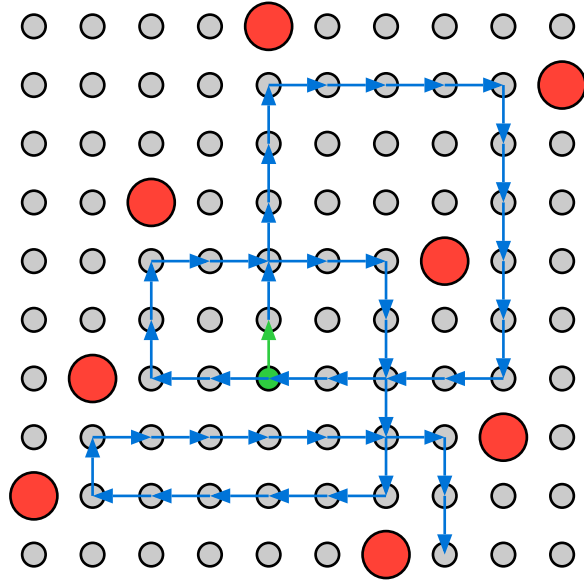
## Puzzle 1

Example passes



Figure 6: Example (visualization)

Result: 4752

## Puzzle 2

Example passes

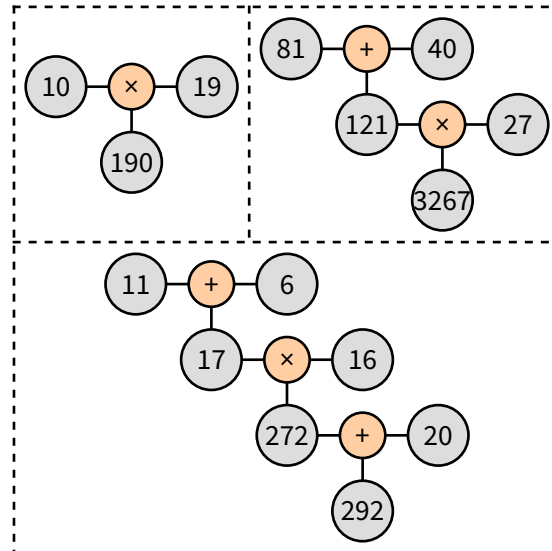Result: 1719

# Day 7 ⭐⭐

## Puzzle 1

Example passes



Figure 7: Example (visualization)

Result: 850435817339

## Puzzle 2

Example passes



Figure 8: Example (visualization)
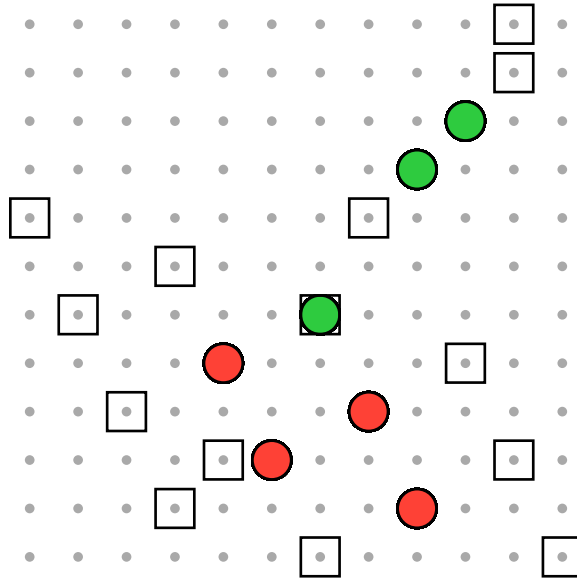
Result: 104824810233437

# Day 8⭐⭐

## Puzzle 1

Figure 9: Example (visualization)

Result: 265

## Puzzle 2

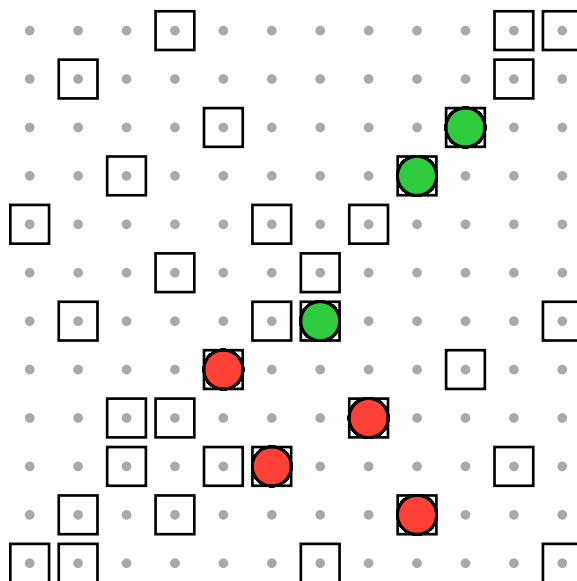Figure 10: Example (visualization)

Result: 962

# Day 9⭐⭐

## Puzzle 1

Figure 11: Example '1' (visualization)

Figure 12: Example '2' (visualization)

Result: 6390180901651

## Puzzle 2

Figure 13: Example '1' (visualization)

Figure 14: Example '2' (visualization)

Result: 6412390114238