Advent of Code 2020

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Day 2: Password Philosophy

```
https://adventofcode.com/2020/day/2
input = read_delim("inputs/02-input.txt", delim = "\n", col_names = "text")
```

Part 1

- split up the input
- get count of letter in password
- filter by count being within specified range

```
df = input %>%
    # split up input
    separate(text, sep = ": ", into = c("directions", "password")) %>%
    separate(directions, sep = " ", into = c("range", "letter")) %>%
    separate(range, sep = "-", into = c("range_lo", "range_hi"), convert = TRUE)

part_1 = df %>%
    # add count
    mutate(count = str_count(password, letter)) %>%
    # filter if between range values
    rowwise() %>%
    filter(between(count, range_lo, range_hi))

nrow(part_1)
```

[1] 607

Part 2

- get letters at index of string (R uses one-indexing so simple enough)
- check XOR for each index equaling the valid letter

[1] 321