

5 \rightarrow V

3 \rightarrow III

4 \rightarrow IV

9 \rightarrow IX

11 \rightarrow XI

- Take in an integer num

- if num = 3

Return III

For all possible numbers.

10 [1, 0]

[3, 1]

XXXI

- So, we can take in the number
- Split it into a list of strings
- Convert to a list of integers
- Iterate over all of them

For each, map its 10th place position:

$$\text{num} = 420$$

$$\begin{array}{ccc} [5, 2, 0] \\ \text{100} & \text{10} & \text{1} \end{array}$$

Add 4 C

Add 2 X

Add 0 I

CCCCCXX

DXX

Must take into account

that 1000 is D

$$\begin{array}{ccc} [8, 3, 2] \\ \text{100} & \text{10} & \text{1} \end{array}$$

Add 8 C

Add 3 X

Add 2 I

DCXXII

Split into categories per index in
the array.