

- Given $N \rightarrow N \geq 0$
 - count all num here every digit is unique
 - $0 \leq x < 10^N$
 - eg: $N=1 \rightarrow 0 \leq x < 10$
 $N=2 \rightarrow 0 \leq x < 100$

$N=2$

0	1	2	3	4	5	6	7	8
00	10							
01	11							
02	12							
03	13							
04	14							
05	15							
06	16							
07	17							
08	18							
09	19							

10
100
101
102
103
104
105
106
107
108
109

001050

Good:

- found edge cases with 0 right away
- very methodical approach / mental model - thought through to depth
- Analyzed different ways to store chosen data
- Good discussion of tradeoffs (success condition)
- Good talking through
- Good at stepping back ^{rything} further analyze problem
- fast at debugging

Bad:

- I got a little confused with valid number logic