

## \* Restore IP Addresses

255, 028, 12, 1, 0

max length can take is 3

iterative  $\rightarrow$  using inner 3 or 4 for loops.

recursive  $\rightarrow$  backtracking

If length  $> 1$  check for leading 0.

once the substring is invalid, don't want to proceed with it further

16843

25843

$\overline{\text{X}}$

$\overline{\text{X}}$

04356

$\overline{+x}$

$\overline{+x}$

Keep counting # of segments (0.5)