Decode Strings.

```
3[a]2[bc]              aaa bcbc
3[a2[c]]               accaccacc
2[abc]3[cd]ef          abcabc cdcdef
```

Tokens: DIGITS   CHAR   OPEN   CLOSE
          value K   `a`-`z`   [   ]

IDEA:

DIGIT ⟶ COULD BE MULTI DIGIT
        IMPLIES WHATEVER IS IN NEXT [...]
        REPEATS K TIMES IN OUTPUT

[⟶ SAVE ALREADY DONE WORK, FOCUS ON WHATS
     COMING NEXT.

] ⟶ INDICATES END OF CURRENT PARSE, WHICH
     WOULD BE MULTIPLIED WITH CORRESPONDING
                              COUNT K.

CHAR ⟶ JUST APPEND TO CURRENT PARSE.