#15 days dsa coding challenge

#Day 8

#Leetcode 394

Decode strin

Solution:

class Solution {

public:

string decodeString(string s) {

vector<int> counts;

vector<string> resultStack;

string res = "";

int curNum = 0;

for (char c : s) {

if (isdigit(c)) curNum = curNum \* 10 + (c - '0');

else if (c == '[') {

counts.push\_back(curNum);

resultStack.push\_back(res);

curNum = 0;

res = "";

} else if (c == ']') {

string temp = res;

res = resultStack.back();

resultStack.pop\_back();

int repeat = counts.back();

counts.pop\_back();

while (repeat--) res += temp;

} else {

res += c;

}

}

return res;

}

};