Problem Link:

<https://leetcode.com/problems/construct-smallest-number-from-di-string/submissions/1547394401/?envType=daily-question&envId=2025-02-18>

Solution:

class Solution {

public:

string smallestNumber(string pattern) {

int n = pattern.size();

stack<int> s;

string res = "";

for(int i = 0; i <= n; ++i)

{

s.push(i + 1);

if(i == n || pattern[i] == 'I')

{

while(!s.empty())

{

res += to\_string(s.top());

s.pop();

}

}

}

return res;

}

};