#include<bits/stdc++.h>

using namespace std;

void solve(string s, int idx, int count, string asf){

if(idx==s.size()){

if(count==0){

cout<<asf<<endl;

}

else{

string ss = to\_string(count);

string ans = asf+ss;

cout<<ans<<endl;

}

return;

}

if(count>0){

string c = to\_string(count);

solve(s,idx+1,0,asf+c+s[idx]);

}

else{

solve(s,idx+1,0,asf+s[idx]);

}

solve(s,idx+1,count+1,asf);

}

int main(){

string s;

cin>>s;

solve(s,0,0,"");

}