ninjassolutions.s3.amazonaws.com/0000000000000536.zip

```
#include<iostream>
#include<cmath>
using namespace std;


int balancedBTs(int h){

 if(h <= 1){
  return 1;
 }

 int mod = (int)pow(10,9) + 7;
 int x = balancedBTs(h-1);
 int y = balancedBTs(h-2);

 int firstValue = (int)(((long long)x*x)%mod);
 int secondValue = (int)(((long long)(x) * y * 2)%mod);

 int ans = (int)(((long long)(firstValue) + secondValue)%mod);
 return ans;
}

int main(){

 cout << balancedBTs(15)<<endl;

 return 0;
}
```