



PRACTICE

COMPETE

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Pattern(pat6-1)

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Problem

Submissions

Leaderboard

Write a Program to print following Pattern

Input Format

Enter one interger N from Keyboard and N represent No. Of lines

Constraints

 $1 < n \leq 10$

Output Format

as Pattern and no Must be mod by 1000000007 if Greater than this

Sample Input 0

8

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Max Score: 20

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Sample Output 0

```

14930352
9227465  5702887
3524578  2178309  1346269
832040   514229  317811  196418
121393   75025   46368   28657   17711
10946    6765   4181   2584   1597   987
610      377   233   144   89   55   34
21       13    8    5    3    2    1    1

```

Current Buffer (saved locally, editable)  

C++



```

1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     int n;
11     cin>>n;
12     int a[n*(n+1)/2];
13     int l=n*(n+1)/2;
14     int c=l-1;
15
16     a[0] = 1;
17     a[1] = 1;
18     // a[2] = 1;
19

```

```
20     for (int i = 2; i < n*(n+1)/2; i++)
21     {
22         a[i] =( a[i - 2] + a[i - 1] )%1000000007;
23     }
24
25     for (int i = 0; i < n; i++)
26     { for(int j=0;j<i+1;j++)
27         {
28             printf("%-10d",a[c]);
29             c-=1;
30         }
31         cout<<"\n";
32
33
34
35     }
36
37     return 0;
38 }
39
```

Line: 1 Col: 1

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