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Pattern(pat3)

Problem	Submissions	Leaderboard	Discussions

Program to display the following pattern: For n = 5;

1 1 2 3 5 8 13 21 34 55 89 144 233 377 610

Input Format

1. Take size i.e. no. of rows from the user

Constraints

1. 0 <= size <= 10000

Output Format

1. It should display the following pattern of the given size

Sample Input 0

Contest ends in an hour

Submissions: 46
Max Score: 20
Difficulty: Medium

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More

        5

Sample Output 0

```
1
1 2
3 5 8
13 21 34 55
89 144 233 377 610
```

Current Buffer (saved locally, editable) ⑂ ⟲   C++ ▾   ⛶ ⚙

```cpp
 1  #include <cmath>
 2  #include <cstdio>
 3  #include <vector>
 4  #include <iostream>
 5  #include <algorithm>
 6  using namespace std;
 7
 8  void f(int a[],int n)
 9  {
10      a[1]=1;
11      a[2]=1;
12      for(int i=3;i<=n;i++)
13          a[i]=a[i-1]+a[i-2];
14  }
15  void fi(int size)
16  {
17      int n=size*(size+1)/2;
18      int a[n+1];
19      f(a,n);
```

```
20          int c=1;
21          for(int i=1;i<=size;i++)
22    ▾     {
23              for(int j=1;j<=i;j++)
24    ▾                 cout<<a[c++]<<" ";
25              cout<<"\n";
26          }
27    }
28   ▾int main() {
29          int n;
30          cin>>n;
31          fi(n);
32          return 0;
33   }
34
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

Testcase 0 ✔

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
5
```

Your Output (stdout)

```
1
1 2
3 5 8
13 21 34 55
89 144 233 377 610
```

Expected Output

```
1
1 2
3 5 8
13 21 34 55
89 144 233 377 610
```

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