Pascal's Triangle (/problems/pascals-triangle/)

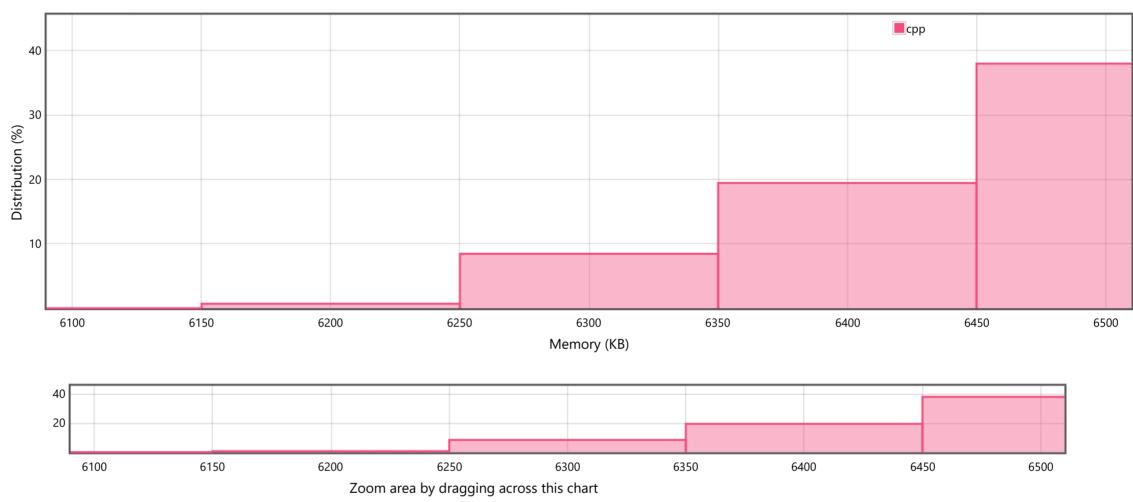## Submission Detail

14 / 14 test cases passed.   Status: **Accepted**

Runtime: **2 ms**

Memory Usage: **6.5 MB**   Submitted: **0 minutes ago**

Accepted Solutions Runtime Distribution

Accepted Solutions Memory Distribution

Invite friends to challenge **Pascal's Triangle**

♡ **36**

Submitted Code: 0 minutes ago

Language: cpp

Edit Code

```cpp
1   class Solution {
2   public:
3       vector<vector<int>> generate(int n)
4       {
5           // Write your code here.
6           vector<vector<int>> ans;
7
8           vector<int> temp;
9           temp.push_back(1);
10          ans.push_back(temp);
11          if(n == 1)
12              return (ans);
13          vector<int> temp2;
14          temp2.push_back(1);
15          temp2.push_back(1);
16          ans.push_back(temp2);
17          if(n == 2){
18              return (ans);
19          }
20
21          for(int row = 2; row < n; row++){
22              vector<int> currentRow;
23              currentRow.push_back(1);
24              for(int i = 0; i < (ans[row - 1].size() - 1); i++){
25                  currentRow.push_back(ans[row - 1][i] + ans[row - 1][i + 1]);
26              }
27              currentRow.push_back(1);
28              ans.push_back(currentRow);
29          }
30
31          return ans;
32      }
33
34  };
```

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