

PA11

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Using Dynamic Programing

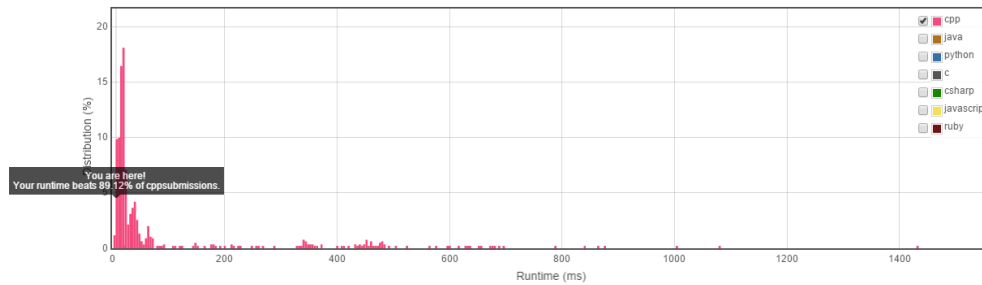
596 / 596 test cases passed.

Runtime: 8 ms

Status: Accepted

Submitted: 0 minutes ago

Accepted Solutions Runtime Distribution



Invite friends to challenge Ugly Number II !



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Code (C++)

```
1 class Solution {
2 public:
3
4     int minimal(int a, int b, int c)
5     {
6         return (a<b?a:b)<c?(a<b?a:b):c;
7     }
8
9     int nthUglyNumber(int n) {
10         int* arr=(int*)malloc(sizeof(int)*n);
11         int index_2=0,index_3=0,index_5=0;
12         int val2=2, val3=3, val5=5;
13         arr[0]=1;
14         for(int i=1;i<n;i++){
15             arr[i]=minimal(val2,val3,val5);
16             if(arr[i]==val2)val2=arr[++index_2]*2;
17             if(arr[i]==val3)val3=arr[++index_3]*3;
18             if(arr[i]==val5)val5=arr[++index_5]*5;
19         }
20         return arr[n-1];
21     }
22 };
```