

```

1 //          UGLY NUMBER
2 #include<stdio.h>
3 int main(){
4     int i=1,j=1,k=1,count=1;
5     int arr[1500]={1};
6     while(count<1500){
7         int t1=arr[i-1]*2,t2=arr[j-1]*3,t3=arr[k-1]*5;
8
9         int temp = (t1<=t2 && t1<=t3) ? t1: (t2<=t1 && t2<=t3)? t2:t3;
10        if(temp == arr[count-1]){
11            arr[count-1]==t1 ? i++: arr[count-1]==t2 ? j++:k++;
12        }
13        else{
14            arr[count] = temp;
15            arr[count]==t1 ? i++: arr[count]==t2 ? j++:k++;
16            count++;
17        }
18
19    }
20    printf("The 1500'th ugly number is %d.\n",arr[1500-1]);
21    return 0;
22 }
23

```