```
#include<stdio.h>
 1
    int main()
 2
3 ▼
    {
 4
         int t;
 5
         scanf("%d", &t);
 6
        while (t)
 7 ▼
         {
             int n;
 8
             scanf("%d",&n);
 9
             t--;
10
             int dp[n+1] ;
11
             dp[1]=1;
12
             for (int i=2;i<n+1;i++)
13
             {
14 ▼
                  for (int k=1; k*k<=i
15
                  {
16 ▼
                      if(!(dp[i-k*k])
17 ▼
                           dp[i]=1;
18
19
                      else
20
                           dp [i]=0;
21
22
                  }
23
24
             if (dp[n]==1)
25
             printf("Yes\n");
26
    else
27
             printf("No\n");
28
29
         return 0;
30
31
    }
```

	Input	Expected	Got	
~	3	Yes	Yes	~
	1	Yes	Yes	

```
#include<stdio.h>
 1
 2 v int countHoles(int num){
        int holes =0;
 3
        while(num>0)
 4
         {
 5 ▼
             int digit =num%10;
 6
             switch(digit){
 7 🔻
                 case 0:case 4:case
 8
                 holes+=1;
 9
                 break;
10
                 case 8:
11
                 holes +=2;
12
                 break;
13
14
15
             num /=10;
16
17
        return holes;
18
19
    int main()
20
21 ▼ {
        int num;
22
        scanf("%d",&num);
23
        int result =countHoles(num)
24
        printf("%d\n",result);
25
        return 0;
26
27
    }
```

	Input	Expected	Got	
✓	630	2	2	/
~	1288	4	4	✓

Passed all tests! 🗸

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
 1
 2 v int min_denominations(int N){
 3
         int count =0;
 4
         int value =1;
 5 ▼
         while(value <=N){</pre>
 6
             count++;
 7
             value*=2;
 8
 9
         return count;
10
    }
11
    int main()
12 ▼
    {
13
         int N;
14
15
         scanf("%d",&N);
         int result =
16
         min_denominations(N);
17
         printf("%d\n",result);
18
19
         return 0;
20
    }
21
```

	Input	Expected	Got	
~	10	4	4	~
~	5	3	3	~
~	20	5	5	~
~	500	9	9	~
~	1000	10	10	~

Passed all tests! ✓

```
#include<stato.n>
    int main()
 2
3 ▼
    {
        int count = 0;
 4
        int num;
        while(scanf("%d",&num)==1)
 5
 6
         {
 7 🔻
             if(num%2!=0)
8
9 🔻
                  count++;
10
11
12
        printf("%d\n",count);
13
        return 0;
14
15
   }
```

	In	put									Expe
~	5	10	15	20	25	30	35	40	45	50	5

Passed all tests! 🗸

```
1
    #include<stdio.h>
    #include<stdbool.h>
 2
    bool is_Confusing_Number(int N)
 3 ▼
         int original =N;
 4
         int rotated =0;
 5
 6 ▼
         while(N>0){
 7
             int digit =N%10;
 8
             N/=10;
 9 ▼
             switch(digit){
                  case 0:case 1:case
10
11
                  rotated =rotated*10
12
                 break;
13
                  case 6:
14
                  rotated =rotated*10
15
                 break;
16
                  case 9:
17
                  rotated =rotated*10
18
                  break:
19
                 default:
20
                  return false;
21
             }
22
         return rotated !=original;
23
24
    }
25
    int main()
26 ▼
    {
27
         int N;
         scanf("%d", &N);
28
29
         if(is_Confusing_Number(N))
30 ▼
         {
31
             printf("true\n");
32
         }
33
         else
34 ▼
         {
35
             printf("false");
36
37
         return 0;
38
    }
39
```

```
if(is_Confusing_Number(N))
29
30 ▼
             printf("true\n");
31
32
         else
33
34 ▼
             printf("false");
35
36
         return 0;
37
38
39
```

	Input	Expected	Got	
~	6	true	true	>
~	89	true	true	~
~	25	false	false	~

Passed all tests! <

```
int main()
 2
 3 ▼
    {
      long int n,k,sum;
4
       scanf("%ld %ld", &n, &k);
 5
       sum=0;
 6
      for(int i=0;i<=n;i++)</pre>
 7
 8 🔻
           sum+=i;
 9
           if(sum==k)
10
11 ▼
           {
                sum-=1;
12
           }
13
14
      printf("%ld",sum %1000000007
15
      return 0;
16
17
   |}
```

	Input	Expected	Got	
~	2 2	3	3	~
~	2	2	2	~
~	3	5	5	~

Passed all tests! <