```c
#include<stdio.h>
int main()
{
    int t;
    scanf("%d", &t);
    while (t)
    {
        int n;
        scanf("%d",&n);
        t--;
        int dp[n+1] ;
        dp[1]=1;
        for (int i=2;i<n+1;i++)
        {
            for (int k=1;k*k<=i
            {
                if(!(dp[i-k*k])
                    dp [i]=1;
                }
                else
                    dp [i]=0;

            }
        }
        if (dp[n]==1)
        printf("Yes\n");
else
        printf("No\n");
    }
    return 0;
}
```

	Input	Expected	Got	
✓	3	Yes	Yes	✓
	1	Yes	Yes	

```c
#include<stdio.h>
int countHoles(int num){
    int holes =0;
    while(num>0)
    {
        int digit =num%10;
        switch(digit){
            case 0:case 4:case
            holes+=1;
            break;
            case 8:
            holes +=2 ;
            break;

        }
        num /=10;
    }
    return holes;
}
int main()
{
    int num;
    scanf("%d",&num);
    int result =countHoles(num)
    printf("%d\n",result);
    return 0;
}
```

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

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int min_denominations(int N){
    int count =0;
    int value =1;
    while(value <=N){
        count++;
        value*=2;
    }
    return count;
}
int main()
{
    int N;

    scanf("%d",&N);
    int result =
    min_denominations(N);
    printf("%d\n",result);
    return 0;
}
```

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

Passed all tests! ✓

```c
#include<stdio.h>
int main()
{
    int count = 0;
    int num;
    while(scanf("%d",&num)==1)
    {
        if(num%2!=0)
        {
            count++;
        }
    }
    printf("%d\n",count);
    return 0;
}
```

	Input	Expe
✓	5 10 15 20 25 30 35 40 45 50	5

Passed all tests! ✓

```c
#include<stdio.h>
#include<stdbool.h>
bool is_Confusing_Number(int N)
    int original =N;
    int rotated =0;
    while(N>0){
        int digit =N%10;
        N/=10;
        switch(digit){
            case 0:case 1:case
            rotated =rotated*10
            break;
            case 6:
            rotated =rotated*10
            break;
            case 9:
            rotated =rotated*10
            break;
            default:
            return false;
        }
    }
    return rotated !=original;
}
int main()
{
    int N;
    scanf("%d", &N);
    if(is_Confusing_Number(N))
    {
        printf("true\n");
    }
    else
    {
        printf("false");
    }
    return 0;
}
```

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

	Input	Expected	Got	
✓	6	true	true	✓
✓	89	true	true	✓
✓	25	false	false	✓

Passed all tests! ✓

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

	Input	Expected	Got	
✓	2 2	3	3	✓
✓	2 1	2	2	✓
✓	3 3	5	5	✓

Passed all tests! ✓