```
In [12]:   #case 1: odd number

           print('Enter a number')
           x = int(input())
           if x%2 != 0:
               print('Weird')
           if x%2 == 0:
               if x>=2 and x<= 5:
                   print('Not Weird')
               if x>=6 and x<= 20:
                   print('Weird')
               if x>=20:
                   print('Not Weird')
```

```
Enter a number
3
Weird
```

```
In [13]:   #case 2: even number and greater than 20
           print('Enter a number')
           x = int(input())
           if x%2 != 0:
               print('Weird')
           if x%2 == 0:
               if x>=2 and x<= 5:
                   print('Not Weird')
               if x>=6 and x<= 20:
                   print('Weird')
               if x>=20:
                   print('Not Weird')
```

```
Enter a number
24
Not Weird
```

```
In [14]:   #case 3: even number and lies between 2 and 5
           print('Enter a number')
           x = int(input())
           if x%2 != 0:
               print('Weird')
           if x%2 == 0:
               if x>=2 and x<= 5:
                   print('Not Weird')
               if x>=6 and x<= 20:
                   print('Weird')
               if x>=20:
                   print('Not Weird')
```

```
Enter a number
4
Not Weird
```

```
In [15]:   #case 4: even number and lies between 6 and 20
           print('Enter a number')
           x = int(input())
           if x%2 != 0:
               print('Weird')
           if x%2 == 0:
               if x>=2 and x<= 5:
                   print('Not Weird')
               if x>=6 and x<= 20:
                   print('Weird')
               if x>=20:
                   print('Not Weird')
```

```
Enter a number
8
Weird
```

```
Enter a number
8
Weird
```