Pattern 5:

num = 5

```
*  *  *  *  *
-  *  *  *  *
-  -  *  *  *
-  -  -  *  *
-  -  -  -  *
```

```
0  5
1  4
2  3
3  2
4  1
```

num = 4

```
*  *  *  *
-  *  *  *
-  -  *  *
-  -  -  *
```

```
0  4
1  3
2  2
3  1
```

n = 5

```
-  -  -  -  *
-  -  -  *  *
-  -  *  *  *
```

CODECHEF

i/p

Chef's current rating is X and he wants to improve it. It is generally recommended that a person with rating X should solve problems whose difficulty lies in the range $[X, X + 200]$, i.e, problems whose difficulty is at least X and at most $X + 200$.

You find out that Chef is currently solving problems with a difficulty of Y →i/p

Is Chef following the recommended practice or not?

$X = 30$
$Y = 190$ o/p: YES

$X = 36$
$Y = 240$ o/p: NO

$X = 30$
$Y = 230$ o/p: YES

$X = 230$
$Y = 230$ o/p: YES

✗
$X = 40$
$Y = 20$ o/p: NO