

ASTU ICPC Club

prob:pairs

a study found that people with similar I.q s work together very well . And you have the responsibility of making out ASTU ICPC teams .. given their iqs find the maximum number of people with difference K.

input

first line of input will be a number $1 \leq n \leq 100$ stating the number of test cases . For each n test cases there are two numbers m and k .. m being the number of people to evaluate . And k the acceptable difference between them

output

print out the number of pairs whose difference is k each on a new line

sample input:

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

sample output:

```
3
```