**IPL and RCB**

All submissions for this problem are available.It's IPL time and as usual RCB are finding it tough to qualify for playoffs. RCB needs a minimum of XX more points to qualify for playoffs in their remaining YY matches. A win, tie and loss in a match will yield 2,1,02,1,0 points respectively to a team.

You being a true RCB supporter want to find the minimum number of matches RCB needs to win to qualify for playoffs. It is guaranteed that RCB will qualify for playoffs if they win all their remaining YY matches.

**Input:**

* First line will contain TT, number of testcases. Then the testcases follow.
* Each testcase contains of a single line of input, two space separated integers X,YX,Y

**Output:**

For each testcase, output in a single line the minimum number of matches RCB must win to qualify for playoffs.

**Constraints :**

* 1≤T≤100001≤T≤10000
* 1≤X≤1001≤X≤100
* 1≤Y≤1001≤Y≤100
* 1≤X≤2⋅Y1≤X≤2⋅Y

**Sample Input:**

2

10 5

1 5

**Sample Output:**

5

0

**Explanation:**

* In first case X=10X=10 and Y=5Y=5, so RCB needs 1010 points from remaining 55matches to qualify for playoffs. It is only possible if they win all their remaining 55 matches.
* In second case X=1X=1 and Y=5Y=5, so RCB needs 11 points from their remaining 55 matches to qualify for playoffs. It can be done if they tie any one of their 55 matches and lose the remaining 44. So they need to win 00 matches.