

The 2021 Freshman Programming Contest

Hunan University



Problem G

Bigger and Bigger

Time Limit: 1 second Memory Limit: 256 MB

Description

This is a simple question.

Given you two hexadecimal digits x and y , you should determine whether $2x + 10$ is greater than $3y + 5$ or not.

Input

Each test contains multiple test cases. The first line contains the number of test cases t ($1 \leq t \leq 100$). Description of the test cases follows.

The description of each test case consists of two hexadecimal digits x, y separated by spaces.

It's guarantee that x, y only consists of number '0'-'9' and capital letters 'A'-'F' and there are no leading zeros.

$$1 \leq x, y < 16^{1000}$$

Output

For each test case, if $2x + 10 > 3y + 5$, print "Yes", Otherwise print "No".

Sample Input

Output for Sample input

3	No
A B	No
F0 E1	Yes
FF0123FFFFFFFFFFFF 01FEA23FFF	