## Binary Again

One day I was playing card game on the computer of ACM ICPC Training Lab and my friend Istiyak was thinking something. Suddenly he said, "Munna, can you tell me whether A is divisible B or not ?".

Then I said to him, "That's very simple ! tell me A and B". Then he said, "That's not simple as you are thinking. I will tell you the binary of $A$ and $B$ ". Then he asked me that can I do it now ?


I am not the man who can be defeated easily. But I also don't know how to do it. As you are a good friend of mine. You are going to complete this task in my favor.

## Input

On the first line you will be given the test case number $\mathbf{T}(\mathbf{T}<\mathbf{2 5 5})$.
Then for each test case you will be given two set of Binary number, one each line. Each set of binary will fit on 64 bit integers.

## Output

For each test case print the test case number and print "YES" if $\mathbf{A}$ is divisible by $\mathbf{B}$, otherwise print "NO" without quotes.

## Example

## Input:

3
11010
10
1111
11
111

## Problem Setter:

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