
The Brothers

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Given two person names.

Each person has {"the first name" + "the second name"}

Determine whether they are brothers or not.

Note: The two persons are brothers if they **share the same second name**.

Input

First line will contain two Strings F_1, S_1 which donates the first and second name of the 1st person.

Second line will contain two Strings F_2, S_2 which donates the first and second name of the 2nd person.

Output

Print **"ARE Brothers"** if they are brothers otherwise print **"NOT"**.

Examples

standard input	standard output
bassam ramadan ahmed ramadan	ARE Brothers
ali salah ayman salah	ARE Brothers
ali kamel ali salah	NOT