

Raj Proposes Simran



So Simran and Raj finally became close friends and now Raj finally proposes Simran, but Simran wants her Partner to be a good player of card games so she plays a card game called **KEM** with Raj.

To play KEM, you need a pack of 52 cards.

Each card has a rank (2, 3, 4, 5, 6, 7, 8, 9, T, J, Q, K, or A) and suits: Diamonds — D, Clubs — C, Spades — S, or Hearts — H.

In the starting there is one card on the table and Raj has five cards in his hand. Raj can play a card from his hand if and only if it has the same rank or the same suit as the card on the table.

In order to check if Raj would be a good playing partner, Simran has prepared a task for Raj. Given the card on the table and five cards in your hand, check if you can play at least one card.

If it is possible to play a card from your hand, print one word "YES" which means Simran has accepted Raj's Proposal otherwise "NO".

Input Format

The first line of the input contains one string which describes the card on the table. The second line contains five strings which describe the cards in your hand.

Each string is two characters long. The first character denotes the rank and belongs to the set {2,3,4,5,6,7,8,9,T,J,Q,K,A}. The second character denotes the suit and belongs to the set {D,C,S,H}. All the cards in the input are different.

Constraints

|s|=2

Output Format

If it is possible to play a card from your hand, print one word "YES". Otherwise, print "NO".

You can print each letter in any case (upper or lower).

Sample Input 0

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2H
3D 4C AC KD AS
```

Sample Output 0

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NO
```

Explanation 0

In the example, since Raj cannot play any card, Simran says NO to his proposal

Sample Input 1

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AS
2S 3D 4D 5D 6D
```

Sample Output 1

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YES
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Explanation 1

In the example, Raj can play an Ace of Spades (AS) because it has the same suit as a two of spades (2S), which lies on the table, So it's a YES!!