

Medium  3126  48  Add to List  Share

Return `true` if it is possible to assign integers to variable names so as to satisfy all the given equations, or `false` otherwise.

```
Input: equations = ["a==b","b!=a"]
```

Output: false

**Explanation:** If we assign say,  $a = 1$  and  $b = 1$ , then the first equation is satisfied, but not the second.

There is no way to assign the variables to satisfy both equations.

```
Input: equations = ["b==a","a==b"]
```

Output: true

**Explanation:** We could assign  $a = 1$  and  $b = 1$  to satisfy both equations.

- `1 <= equations.length <= 500`
- `equations[i].length == 4`
- `equations[i][0]` is a lowercase letter.
- `equations[i][1]` is either '=' or '!'.
- `equations[i][2]` is '='.
- `equations[i][3]` is a lowercase letter.

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Seen this question in a real interview before?

Yes

No

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```
1  class Solution {
2      public boolean equationsPossible(String[] equations) {
3
4      }
5  }
```