**Goal**

Bingo5 is an actual lottery game in Japan.  
https://www.takarakuji-official.jp/kuji/bingo5/feature.html  
  
It's a variation of the normal bingo game.  
  
A bingo5 card:  
- comes with 3x3 cells,  
- with each cell is a number within a given fixed range of 5.  
- except for the center cell, which is marked as **FREE**; a matched cell by default.

+---------+---------+---------+  
| 1 - 5 | 6 - 10 | 11 - 15 |  
+---------+---------+---------+  
| 16 - 20 | FREE | 21 - 25 |  
+---------+---------+---------+  
| 26 - 30 | 31 - 35 | 36 - 40 |  
+---------+---------+---------+

**Matched Cell:**  
A cell is counted as a matched when the same cell in the card and the winning result has the same number.  
  
**Bingo Line:**  
A line is counted as bingo when 3 consecutive matched cells forms a:  
- vertical line  
- horizontal line  
- diagonal line  
  
**Winning Result:**  
- A number is drawn within the given fixed range of each cell (except free cell), to determine the winning result.  
- It is drawn in a sequence from left to right, top to bottom.  
  
**Problem:**  
Given a bingo5 card and a winning result, find out how many **bingo lines** can be found.  
  
**NOTE:**  
**FREE** cell will be represented as 0 for both card and winning\_numbers

**Input**

**Line 1:** A string of numbers separated by spaces for the card  
**Line 2:** A string of numbers separated by spaces for the winning\_numbers  
Numbers are arranged in from left to right, top to bottom.

**Output**

The number of lines found.

# Tests

**Example**

**Input**

3 7 14 18 0 23 26 35 36

3 7 14 16 0 24 28 32 39

**Output**

Case 1

1 -result

3 7 14 18 0 23 26 35 36

3 7 14 16 0 24 28 32 39

Case 2

1

2 8 14 19 0 24 26 33 40

2 7 13 19 0 25 26 34 36

Case 3

1

4 9 12 16 0 21 29 32 36

4 10 13 17 0 24 27 33 36

Case 4

5 6 11 16 0 21 30 31 37

2 6 15 16 0 21 26 31 38

2

Case 5

3 8 12 17 0 25 27 31 37

3 8 12 18 0 22 27 31 37

5

Case 4

4 6 14 16 0 21 28 35 39

5 7 13 19 0 22 27 34 36

0

Case 6

4 6 14 16 0 21 28 35 39

5 7 13 19 0 22 27 34 36

0

Case 7

2 8 11 18 0 21 29 31 36

2 7 11 18 0 21 29 35 36

5

4 9 13 17 0 25 28 31 39

4 9 13 17 0 25 28 32 39

6

3 8 12 18 0 25 27 31 37

3 8 12 18 0 25 27 31 37

8