

Guessing Game

It's time to play cards.

The card deck only contains 8 cards, numbered from 1 to 8. Mr. Oski and Mr. Mikel take 3 cards. Then 2 cards are left in the deck. Mr. Oski and Mr. Mikel telling you the sum of their cards. Your turn is to guess that 2 cards.

Input

The input contains two integers X, Y. Sum of Mr. Oski's cards and sum of Mr. Mikel's cards.

Output

All of the possibility of two cards in pair (A, B). Output must ordered by A.

Sample Input

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21 10
```

Sample Output

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1 4
2 3
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