

› LGE Code Jam 2018

▼ LGE Code Jam 2019

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› 코드잼 준비하기

- 2019년 활동
- › 2018년 활동
- › 2016년 활동
- › 2015년 활동

Space tools ▾

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# 1st LGE Code Jam 2019 - Problem A (English)

Created by 박병철 byungchul.park, last modified on 2019/05/14

Starting from the lowest leftmost cell, moving by an even number regardless of the directions will place it in a black cell, or a white cell by an odd number. That is, 'The number of squares moved in the upward direction + the number of squares moved in the right directions' and determining whether this value is even or odd, tell which color it will be finally placed in.

## 1. To get the number of squres moved in the upward direction from Notation 1

Substract one from the number of the notation to get the number moved.

## 2. To get the number of squres moved in the right direction from Notation 1

Substract the value of A from the alphabet of the notation using ASCII code.

## 3. To get the number of squres moved in the upward direction from Notation 2

Substract one to make it zero-based index, divide it by 8 and round it down.

## 4. To get the number of squres moved in the right direction from Notation 2

Substract one to make it zero-based index and calculate the remainder of the division by 8.

## 5. To print the result

Print YES if both (the result of 1 + the result of 2) and (the result of 3 + the result of 4) are either even or odd, otherwise NO.

## 코드 (Python3)

```
1  for i in range(int(input())):
2      position1, position2 = input().split()
3
4      col1 = ord(position1[0]) - ord('A')
5      row1 = int(position1[1]) - 1
6      col2 = (int(position2) - 1) % 8
7      row2 = (int(position2) - 1) // 8
8
9      print('YES' if (col1 + row1) % 2 == (col2 + row2) % 2 else 'NO')
```

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