

11. [Java] ?????(2): case2? ? longer - shorter???

1. ?? ??

- <https://school.programmers.co.kr/learn/courses/30/lessons/120868>
- ?????? ???? ???? (2)
- ? ? ???? , ???? ? ? x? ???? ???? ???? ? ???? ?
- ???? ? ? : $?? < ??$

2. ?? ?? ??

- $x \in (\text{longer} - \text{shorter}, \text{longer} + \text{shorter})$
- ? , ???? ? x? ?
- $\text{longer} - \text{shorter} + 1 \leq x \leq \text{longer} + \text{shorter} - 1$

??

```
import java.util.*;

class Solution {
    public int solution(int[] sides) {
        Arrays.sort(sides); // ?? ???? ?
        int shorter = sides[0];
        int longer = sides[1];

        // case1: x? ? ? ? -> x < a + b
        int case1 = longer + shorter - 1;

        // case2: x? ???? ? -> x > max - min
        int case2 = longer - shorter;

        return case1 - case2;
    }
}
```

```
}
}
```

3. longer - shorter + 1? ?? ??

- `case2 = longer - shorter` ?
- `case2` `x` `longer - shorter + 1`
- `longer - shorter + 1`
- `longer - shorter - 1` `longer - shorter` `longer - shorter`
- `case2 = longer - shorter` `longer - shorter` `longer - shorter`

4. ??

- `sides = [3, 6]`
- `x: 4, 5, 6, 7, 8` → `5`
- `case1 = 3 + 6 - 1 = 8`
`case2 = 6 - 3 = 3`
`answer = 8 - 3 = 5`

??

- `case2` `longer - shorter`
- `longer - shorter + 1` `longer - shorter - 1` `longer - shorter`
- `longer - shorter` `longer - shorter`
- `(shorter + longer - 1) - (longer - shorter)`

Revision #6

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