CHALLENGES

challenge **buyTicket**

FINISHED 15 DAYS AGO

Author pain 1000

DESCRIPTION SOLUTIONS 308 COMMENTS 7 README CODEWRITING

Jackichul is queuing to buy the final ticket VCSA between GAM and EVOS. There are `n` people queuing but he cannot know exactly his location. He only know that there are not fewer than `a` people in front of him and there are not over `b` people behind him. Find the number of different location that Jackichul can stand.

Example

For `n = 4`, `a = 1` and `b = 2`, the output should be `buyTicket(n, a, b) = 3`.

Input/Output

- **[execution time limit] 4 seconds (js)**
- **[input] integer64 n**

  Guaranteed constraints:

  $0 < n < 10^{16}$.

- **[input] integer64 a**

  Guaranteed constraints:

  $0 \leq a < n$.

- **[input] integer64 b**

  Guaranteed constraints:

  $0 \leq b < n$.

- **[output] integer64**

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
    console.log("This prints to the console when you Run Tests");
    return "Hello, " + name;
}
```