

BACK

Tennis Set



DESCRIPTION

SOLUTIONS 18013

COMMENTS 49



CODEWRITING

SCORE: 300/300

In tennis, a set is finished when one of the players wins 6 games and the other one wins less than 5, or, if both players win at least 5 games, until one of the players wins 7 games.

Determine if it is possible for a tennis set to be finished with the score `score1 : score2`.

Example

- For `score1 = 3` and `score2 = 6`, the output should be `tennisSet(score1, score2) = true`.
- For `score1 = 8` and `score2 = 5`, the output should be `tennisSet(score1, score2) = false`.

Since both players won at least 5 games, the set would've ended once one of them won the 7th one.

- For `score1 = 6` and `score2 = 5`, the output should be `tennisSet(score1, score2) = false`.

Input/Output

- [execution time limit] 4 seconds (js)**
- [input] integer score1**

Number of games won by the 1st player, non-negative integer.

Guaranteed constraints:

$$0 \leq \text{score1} \leq 10.$$

- [input] integer score2**

Number of games won by the 2nd player, non-negative integer.

Guaranteed constraints:

$$0 \leq \text{score2} \leq 10.$$

- [output] boolean**

`true` if `score1 : score2` represents a possible score for an ended set, `false` otherwise.

