BACK

Bishop Diagonal

179,754

DESCRIPTION | MY SOLUTIONS | LEADERBOARD | COMMENTS | README

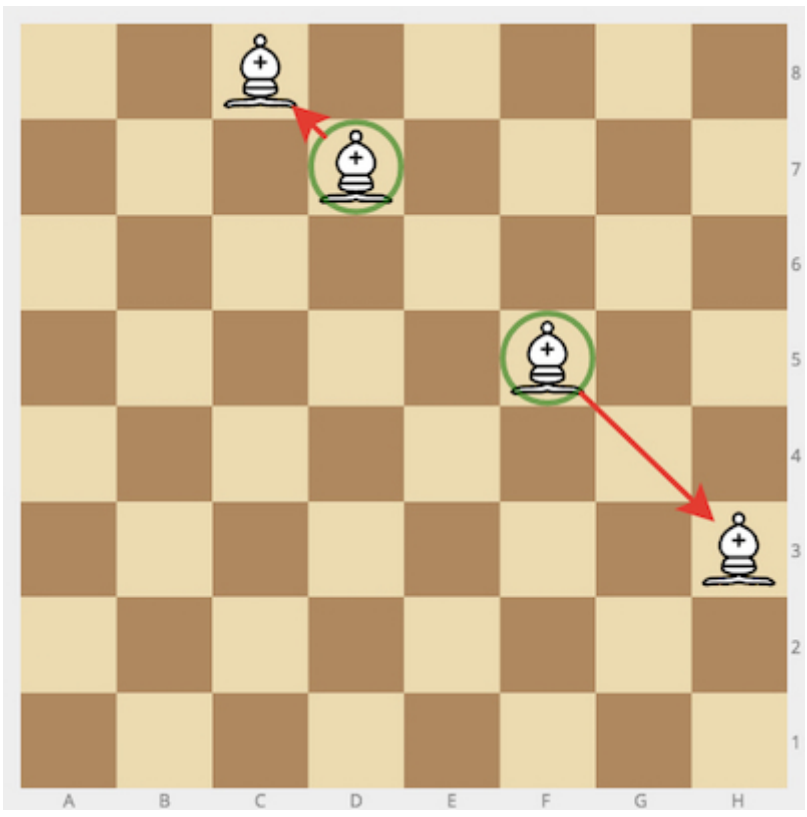
CODEWRITING SCORE: 300/300

In the Land Of Chess, bishops don't really like each other. In fact, when two bishops happen to stand on the *same diagonal*, they immediately rush towards the opposite ends of that same diagonal.

Given the initial positions (in chess notation) of two bishops, `bishop1` and `bishop2`, calculate their future positions. Keep in mind that bishops won't move unless they see each other along the same diagonal.

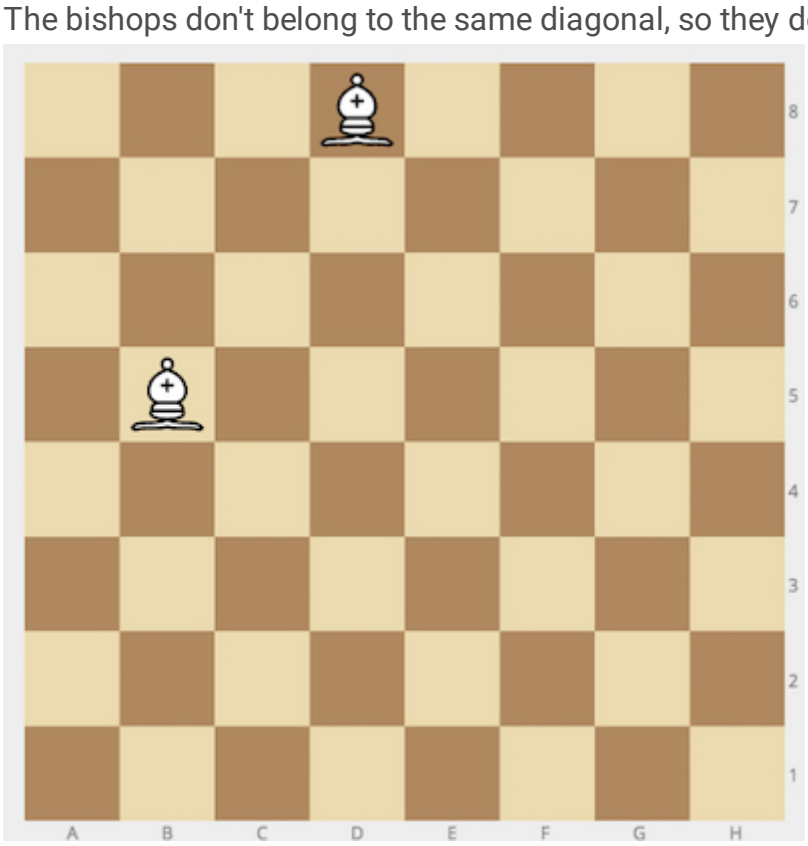
Example

- For `bishop1 = "d7"` and `bishop2 = "f5"`, the output should be `bishopDiagonal(bishop1, bishop2) = ["c8", "h3"]`.



- For `bishop1 = "d8"` and `bishop2 = "b5"`, the output should be `bishopDiagonal(bishop1, bishop2) = ["b5", "d8"]`.

  The bishops don't belong to the same diagonal, so they don't move.



Input/Output

- **[execution time limit] 4 seconds (js)**
- **[input] string bishop1**

  Coordinates of the first bishop in chess notation.

- **[input] string bishop2**