3417. Zigzag Grid Traversal With Skip

Solved ●

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You are given an `m x n` 2D array `grid` of **positive** integers.

Your task is to traverse `grid` in a **zigzag** pattern while skipping every **alternate** cell.

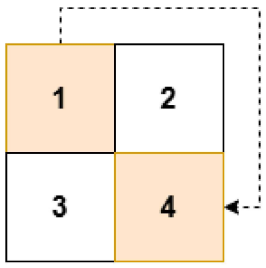
Zigzag pattern traversal is defined as following the below actions:

- Start at the top-left cell `(0, 0)`.
- Move *right* within a row until the end of the row is reached.
- Drop down to the next row, then traverse *left* until the beginning of the row is reached.
- Continue **alternating** between right and left traversal until every row has been traversed.

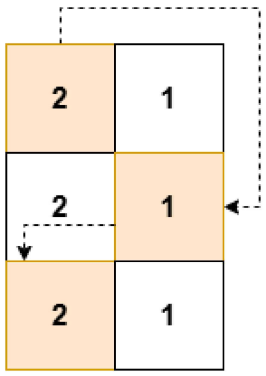
Note that you **must skip** every *alternate* cell during the traversal.

Return an array of integers `result` containing, **in order**, the value of the cells visited during the zigzag traversal with skips.

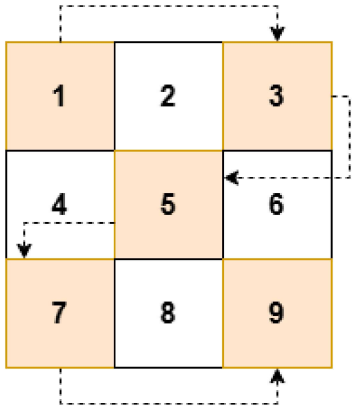
Example 1:

> **Input:** grid = [[1,2],[3,4]]
>
> **Output:** [1,4]
>
> **Explanation:**
>
> 
>

Example 2:

> **Input:** grid = [[2,1],[2,1],[2,1]]
>
> **Output:** [2,1,2]
>
> **Explanation:**
>
> 
>

Example 3:

> **Input:** grid = [[1,2,3],[4,5,6],[7,8,9]]
>
> **Output:** [1,3,5,7,9]
>
> **Explanation:**
>
> 
>

Constraints:

- `2 <= n == grid.length <= 50`
- `2 <= m == grid[i].length <= 50`
- `1 <= grid[i][j] <= 2500`

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Yes No

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