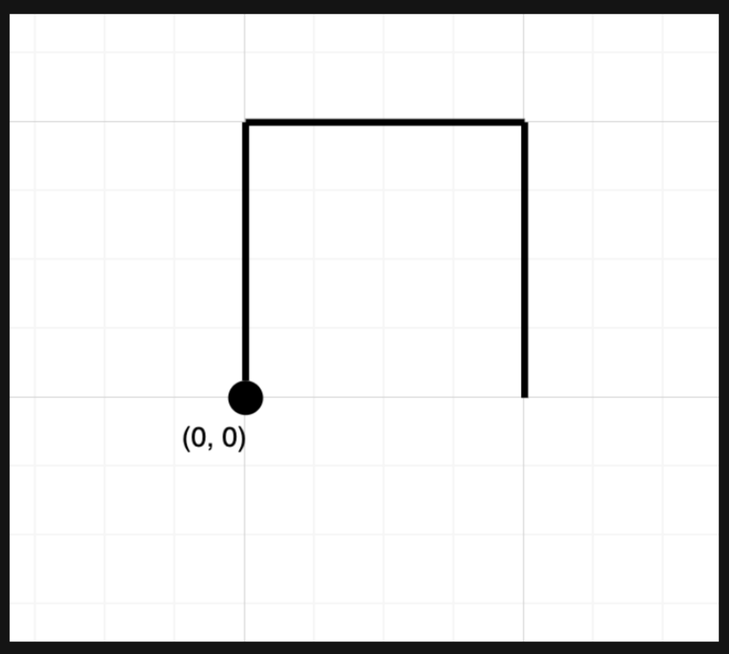
1496. Path Crossing

Description

Given a string `path`, where `path[i] = 'N'`, `'S'`, `'E'` or `'W'`, each representing moving one unit north, south, east, or west, respectively. You start at the origin `(0, 0)` on a 2D plane and walk on the path specified by `path`.

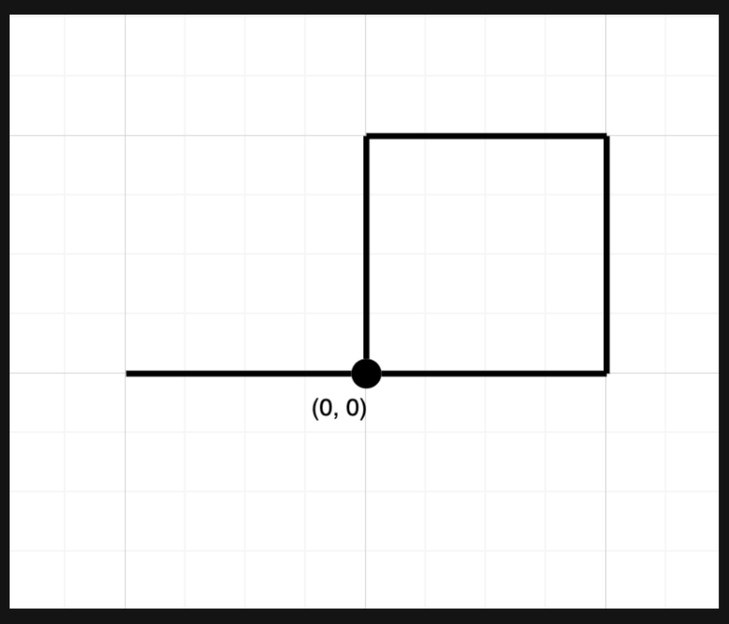
Return `true` *if the path crosses itself at any point, that is, if at any time you are on a location you have previously visited*. Return `false` otherwise.

Example 1:




```
Input: path = "NES"
Output: false
Explanation: Notice that the path doesn't cross any point more than once.
```

Example 2:




```
Input: path = "NESWW"
Output: true
Explanation: Notice that the path visits the origin twice.
```

Constraints:

- `1 <= path.length <= 10^4`
- `path[i]` is either `'N'`, `'S'`, `'E'`, or `'W'`.