2192-09	Convess	î On

For solving the Zigzeg Enversion problem, the goal is to simulate resiting characters in a zigzeg pottlym and then reading them row by row,

The Idea; I timulate the zigzeg by filling characters into 1900s going down and then up diagonally repeatedly.

Use: A vector < strigs to store characters for each 1900.

A 1900 index and a direction flag to determine

movement between 1900s.

[Algorithm: 1. If numRows = = 1 - seturn solveetly (rig tag in traded)

2. Initialize a vector of empty strings vector strings rows (numRows)

3. We was =0, and direction = -1

4 Loop though characters in s.

Append to 1901 [190]
If a top & bottom 1900, reverse clinetion

More 19w += direction

5. After loop, concatenate all strings in sour

Time Complexity: [ O (n) where n = s. length () - each character is

Mosessed once

O (n) pace for storing rows.

[Example: 1 "PAYPALISHIRING", nums Rows = 4 Rowo: P 1 N

Row1: A LS 16

ROWZ: YA HR

Row 3: P

Concatenate: "PINAL SIGYAHRPI"