Breaking the Records

Maria plays college basketball and wants to go pro. Each season she maintains a record of her play. She tabulates the number of times she breaks her season record for *most points* and *least points* in a game. Points scored in the first game establish her record for the season, and she begins counting from there.

Example

$scores = [12, 24, 10, 24]$

Scores are in the same order as the games played. She tabulates her results as follows:

				Count	
Game	Score	Minimum	Maximum	Min	Max
0	12	12	12	0	0
1	24	12	24	0	1
2	10	10	24	1	1
3	24	10	24	1	1

Given the scores for a season, determine the number of times Maria breaks her records for *most* and *least* points scored during the season.

Function Description

Complete the *breakingRecords* function in the editor below.

breakingRecords has the following parameter(s):

- *int scores[n]:* points scored per game

Returns

- *int[2]:* An array with the numbers of times she broke her records. Index 0 is for breaking *most points* records, and index 1 is for breaking *least points* records.

Input Format

The first line contains an integer n, the number of games.
The second line contains n space-separated integers describing the respective values of $score_0, score_1, \ldots, score_{n-1}$.

Constraints

- $1 \le n \le 1000$

- $0 \le scores[i] \le 10^8$