Lec-38

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Stock Span

The stock span problem is a financial problem where we have a series of N daily price quotes for a stock and we need to calculate span of stock's price for all N days. You are given an array of length N, where i^{th} element of array denotes the price of a stock on i^{th}. Find the span of stock's price on i^{th} day, for every 1<=i<=N.
A span of a stock's price on a given day, i, is the maximum number of consecutive days before the $(i+1)^{th}$ day, for which stock's price on these days is less than or equal to that on the i^{th} day.

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