Category: Easy

Contest constraints: The question was asked in the CSI KJSCE Code in X 2017-18 competition which involved contestants unfamiliar with the Go language and were asked to solve this problem within a time of about 2hrs. The winner was expected to use minimum number of language constructs (loops, if/else conditions etc.) to solve the problem.

Concepts Tested:

1. Understanding of arrays
2. Understanding of global and local max and min in a 1D array
3. Detecting increasing and decreasing regions of 1D arrays
4. Use of loops in programming

Expected Wrong Answer:

Max Profit = Max Cost – Min Cost