Input: prices = [8,4,6,2,3]Output: [4,2,4,2,3] Given the array prices where prices[i] is the price of the ith item in a Explanation: For item 0 with price[0]=8 you will receive a discount equivalent shop. There is a special discount for items in the shop, if you buy the ith item, to prices[1]=4, therefore, the final price you will pay is 8 - 4 then you will receive a discount equivalent to prices[j] where j is the minimum index such that j > i and prices[j] <= prices[i], otherwise, you will not receive any discount at all. For item 1 with price[1]=4 you will receive a discount equivalent to prices[3]=2, therefore, the final price you will pay is 4 - 2 Return an array where the ith element is the final price you will pay for the ith item of the shop considering the special discount. For item 2 with price[2]=6 you will receive a discount equivalent to prices[3]=2, therefore, the final price you will pay is 6 - 2 For items 3 and 4 you will not receive any discount at all. Monotonic Stack Sec the conerpt for that (In the notes) [8, 4, 6, 2,3] __ prices Discout conditions: if you buy it item, her you will receive a discount equalwest to print i] wher i is the mini inter je; and prine [i] & Prins[i], otherwise no disant. return the final price [8, 4, 6, 2, 3] = $\begin{bmatrix} 8-4=4 \end{bmatrix}$ 4-2=2 $\begin{bmatrix} 6-2=4 \end{bmatrix}$ $\begin{bmatrix} 2 \end{bmatrix}$ arr[1] - arr[3] arr[2] - arr[3] No discount. Pollow the

Example 1:

1475. Final Prices With a Special Discount in a Shop

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