Problem 5. Card Flipping [20 points] You have in front of you an array of n face-up cards, where each card shows an integer. (These numbers shown may be represented as an array A[1..n].) You first flip over the rightmost (n^{th}) card. You then flip n-1 more cards, each time flipping either the leftmost unflipped card or the rightmost unflipped card (your choice). If you flip a card showing x after just having flipped a card showing y, you receive a reward of |x-y|. 不是同一個位置,之前誤以為是同一個位置 Describe an algorithm that computes the best order in which to flip the cards, in order to maximize your total reward. Give and justify a running-time analysis for your solution.