Problem R
No Thanks!

Time Limit: 1

In the card game "No Thanks," the deck of cards consists of 36 cards numbered 1–36, and players collect cards to their score pile as the game is played. A player's final score is the sum of the numbers on their collected cards, with one exception: if a player has collected any cards with two or more consecutive numbers, only the smallest number of that group counts toward the score. Your job is to compute the score for a single player's pile of cards, though here we allow play with a deck much larger than 36 cards.

Input

The first line contains one integer, n, representing the number of cards collected. The second line contains n integers representing the numbers on the collected cards. You may assume that $1 \leq n \leq 90\ 000$, all card values are in the range $1 \ldots 90\ 000$ inclusive, and no card value is repeated.

Output

Output a single line containing the score for the given set of cards.

Sample Input 1	Sample Output 1
5 1 7 5 3 4	11

Sample Input 2	Sample Output 2
6 2 1 3 8 4 5	9