Pay the least

ZPRAC-16-17-Lab11

Pay the least
[40 Marks]
ANNOUNCEMENT:
10% marks will be allotted for using dynamic memory allocation (using malloc)
Up to 20% marks will be allotted for good programming practice. These include - Comments for non trivial code - Indentation: align your code properly
There are N items, each of them costing 1 unit of money. Their weights are given by an array W=[w1,w2,w3,wN]. If you buy one item of weight X, you get all the remaining items of weight in the range of X to X+4 (inclusive) for free.
What is the minimum amount of money that must be spent to buy all items?
Constraints::
1 ≤ N ≤ 10^5
Input Format:: First line contains one integer N, denoting the number of items. Second line contains N space separated integers w1,w2,,wN representing the weights of each item.
Output Format::

print the minimum amount of money that must be spent to buy all items.

Example::		
Input		
5 1 2 3 17 10		
Output		
3		
Explanation:		

- 1) First buy the item of weight 1 and You get the items of weight 2 and 3 respectively for free.
- 2) Buy item of weight 17.
- 3) Buy item of weight 10.