Huffman code

Time limit: 1 sec

In a text T, there are n symbols with frequency s[i] for i from 1 to n. Please find the total bit length of T if the symbols are encoded by Huffman encoding.

Output format:針對每一組測試案例,輸出 total bit length,每組測試案例輸出一列。

範例輸入:

2

3

5 1 2

5

3 10 2 3 4

範例輸出:

11

46