



Problem: LAB.04.04 - Gold Mining

Description

The Kingdom ALPHA has n warehouses of golds located on a straight line and are numbered $1, 2, \dots, n$. The warehouse i has amount of a_i (a_i is non-negative integer) and is located at coordinate i ($i=1, \dots, n$). The King of ALPHA opens a competition for hunters who are responsible to find a subset of gold warehouses having largest total amount of golds with respect to the condition that the distance between two selected warehouses must be greater than or equal to $L1$ and less than or equal to $L2$.

Input

- Line 1 contains n , $L1$, and $L2$ ($1 \leq n \leq 1000000, 1 \leq L1 \leq L2 \leq n$)
- Line 2 contains n integers a_1, a_2, \dots, a_n

Output

Contains only one single integer denoting the total amount of golds of selected warehouses.

Example

Input

6 2 3

3 5 9 6 7 4

Output

19

Sample TestCase

C 17



1 Write your Source code here

Source code

C 17



```
1 //C
2 #include <stdio.h>
3
4 int main()
5 {
6
7 }
```

SUBMIT CODE

Or

C 17 ▼






Select file

SUBMIT

🔍 Tìm kiếm

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ID	Bài tập	Trạng thái	Message	Điểm	Ngôn ngữ
f49dbb	GOLD	Partial		100	CPP17
dc8da4	GOLD	Accept		120	CPP17
7c37a9	GOLD	Partial		100	CPP17
33f3c4	GOLD	Partial		100	CPP17
094d95	GOLD	Partial		60	CPP17
5 hàng ▾ < < 1-5 của 9 > >					