The Quidditch Lessons

**[ CWK ][ TQL ]**

**Problem:**

Harry is the Quidditch captain this year, and he wants to crush the Slytherin team hard. There are **2N** players in his team as reserve. Each player in his team has a skill level, denoted by . To train his new recruits, he pairs them with his skilled players, such that the strength of his team, i.e., sum of strength of each pair is maximum possible.

Strength of a pair ( A, B) is calculated as **max(A, B)**

**Input:**

The first line contains **N,** the number of **pairs** needed Harry’s team.

The next line contains **2N** integers , denoting the strength of each of the **2N** players in Harry’s team.

**Output:**

Print the maximum possible strength of Harry’s team.

**Constraints:**

* N <
* <

**Example:**

**Input:**

2

5 2 8 5

**Output:**

13

**Explanation :**

Pair will be (5 2) (8 5) and their strength will be 5 and 8 respectively as their second element is 5 and 8 respectively.

so output will be 5+8 =13

**Problem Setter:**

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