Coding Ninjas   X

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ASK/VIEW DOUBT   SOLUTION   Code Pair   C++ (g++ 5.4 ⇵)

| Problem | Result |

Three Teams
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1. There are N players, linearly standing. Each player has a chest number. The number also denotes the strength of that player. So, greater the number, stronger the player.

2. You have to form 3 teams from these N players. Each team has to be of k size.

3. There are three restrictions in selections of players. First, a particular player can only be selected for one team. So, two teams cannot have the same player. Second, selected players have to be standing consecutively. Third, given the above two conditions, choose the teams such that the sum of player's chest number of each team is maximum.

4. Can you tell us the maximum possible sum of player's chest number, if the selection is done according to the restrictions.

Input Format:

The first line of input contains the value of N. The following line contains N space separated integers, that denotes the value of players chest number. The following line contains the value of k. Input would be provided in such a way that selection of 3 teams will always be possible.

```cpp
#include<bits/stdc++.h>
using namespace std;
int main() {

    // Write your code here
}
```

PREVIOUS   NEXT   CUSTOM INPUT   SUBMIT

of 3 teams will always be possible.

Problem | Result

Constraints:

Time Limit: 1 second

The value of N lies in the range: [1, 10000]

The value of N space separated integers lies in the range: [1, 65535]

The value of k lies in the range: [1, 1000].

Output Format:

The first and only line of output contains the maximum sum, as described in the task.
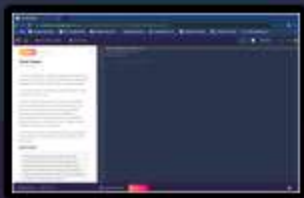
Sample Input 1:

```
8
1 2 1 2 6 7 5 1
2
```

Sample Output 1:

```
23
```

Explanation:

```cpp
#include<bits/stdc++.h>
using namespace std;
int main() {

    // Write your code here
}
```

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☰   🔔   ⬗ ASK/VIEW DOUBT   ⬇ SOLUTION   ⤢   ⚪   Code Pair | C++ (g++ 5.4 ⇕) ⟳

| Problem | Result |

range: [1, 10000]
~~~~~ated integers lies in the

range: [1, 65535]
The value of k lies in the range: [1, 1000].

Output Format:

The first and only line of output contains the maximum sum, as described in the task.

Sample Input 1:

```
8
1 2 1 2 6 7 5 1
2
```

Sample Output 1:

```
23
```

Explanation:

For selections, following 3 teams will have maximum sum: [1,2], [2, 6], [7, 5]

```cpp
1  #include<bits/stdc++.h>
2  using namespace std;
3  int main() {
4
5      // Write your code here
6  }
```

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