

```

1  /*
2  * Complete the 'balancedSum' function below.
3  *
4  * The function is expected to return an INTEGER.
5  * The function accepts INTEGER_ARRAY arr as parameter.
6  */
7
8  int balancedSum(int arr_count, int* arr)
9  {
10
11      int totalsum=0;
12      for(int i=0;i<arr_count;i++){
13          totalsum+=arr[i];
14      }
15      int leftsum=0;
16      for(int i=0;i<arr_count;i++){
17          int rightsum=totalsum-leftsum-arr[i];
18          if(leftsum==rightsum){
19              return i;
20          }leftsum+=arr[i];
21      }return 1;
22  }

```

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	Test	Expected	Got	
✓	<pre>int arr[] = {1,2,3,3}; printf("%d", balancedSum(4, arr))</pre>	2	2	✓

Passed all tests! ✓

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```
1  /*
2  * Complete the 'arraySum' function below.
3  *
4  * The function is expected to return an INTEGER.
5  * The function accepts INTEGER_ARRAY numbers as parameter.
6  */
7
8  int arraySum(int numbers_count, int *numbers)
9  {
10     int sum=0;
11     for(int i=0;i<numbers_count;i++){
12         sum=sum+numbers[i];
13     }
14     return sum;
15 }
16
```

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	Test	Expected	Got	
✓	<pre>int arr[] = {1,2,3,4,5}; printf("%d", arraySum(5, arr))</pre>	15	15	✓

Passed all tests! ✓

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```
1  /*
2   * Complete the 'minDiff' function below.
3   *
4   * The function is expected to return an INTEGER.
5   * The function accepts INTEGER_ARRAY arr as parameter.
6   */
7  #include<stdlib.h>
8  int compare(const void*a,const void*b){
9      return(*(int*)a-*(int*)b);
10 }
```

```
6   */
7  #include<stdlib.h>
8  int compare(const void*a,const void*b){
9      return(*(int*)a-*(int*)b);
10 }
11 int minDiff(int arr_count, int* arr)
12 {
13     qsort(arr,arr_count,sizeof(int),compare);
14     int totaldiff=0;
15     for(int i=1;i<arr_count;i++){
16         totaldiff+=abs(arr[i]-arr[i-1]);
17     }
18     return totaldiff;
```

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	Test	Expected	Got	
✓	<pre>int arr[] = {5, 1, 3, 7, 3}; printf("%d", minDiff(5, arr))</pre>	6	6	✓

Passed all tests! ✓