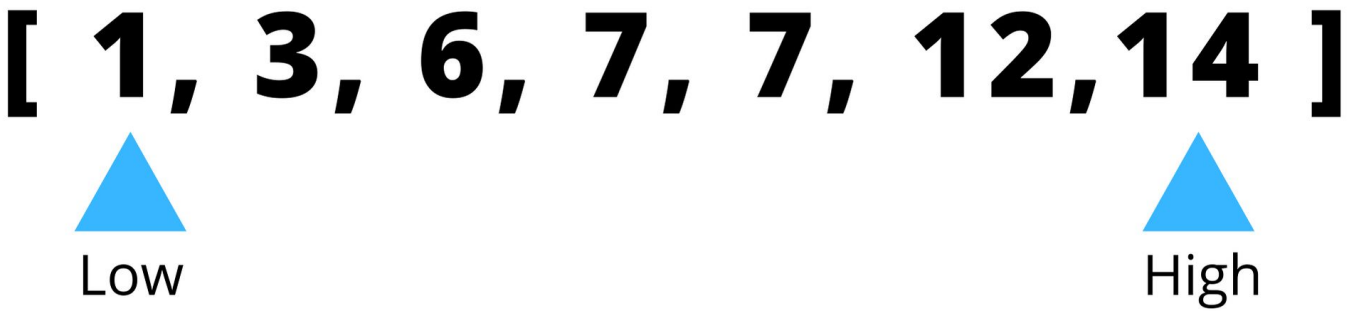


Sum = 10

We first start off with two pointers at the end of the array one at the low end and the other at the high end.

If we add them up and they are greater than the sum we would move the high pointer down one.

[1, 3, 6, 7, 7, 12,14]

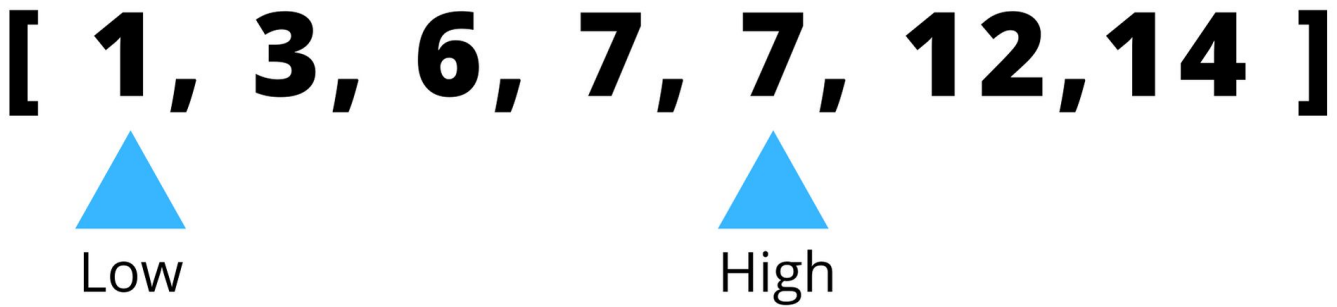
Low

High

Sum = 10

Since 1 + 14 = 15 and 15 is greater than 10 we would adjust the high pointer down one to 12.

We do it again 12 + 1 = 13 & 13 > 10 so move the pointer one down



Sum = 10

[1, 3, 6, 7, 7, 12,14]

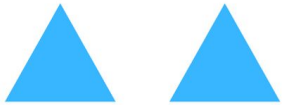
Low

High

Sum = 10

Since 1 + 7 is less than 10 we would adjust the low pointer to move up one to give us our total of 10.

[1, 3, 6, 7, 7, 12,14]



Sum = 5

The sum here is 5 and it is impossible with this array. To tell than it is not possible the pointers will have to cross.

[1, 3, 6, 7, 7, 12,14]

Low

High

Sum = 5

In this problem we can not iterate on the same number twice so the pointers cannot be pointing to the same index of the array.