Pointers on Arrays

-6 | 1 | 0 | 8 | 7 | 2 | -1 | 4 | 1 | 7 | 2 |

а



-6 | 1 | 0 | 8 | 7 | 2 | -1 | 4 | 1 | 7 | 2

а



-6 | 1 | 0 | 8 | 7 | 2 | **-1** | 4 | 1 | 7 | 2

а



а

-6 1 0 <mark>8 7 2 -1 4 1 7 8</mark>

my_int



а

 -6
 1
 0
 8
 7
 2
 -1
 4
 1
 7
 8

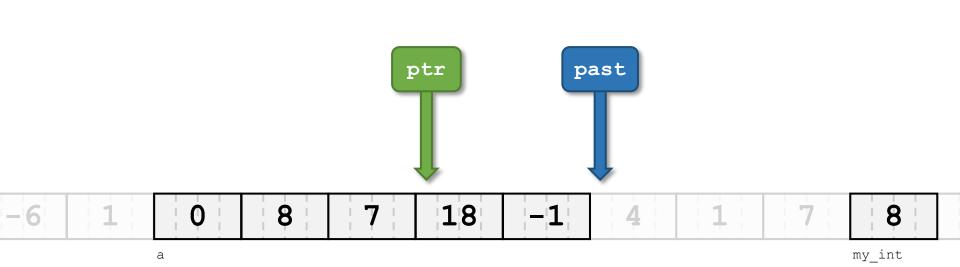
my_int



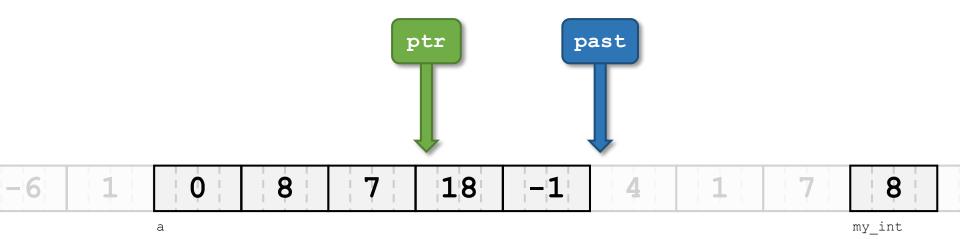
а

-6 1 0 8 7 **18 -1 4 1 7 8**

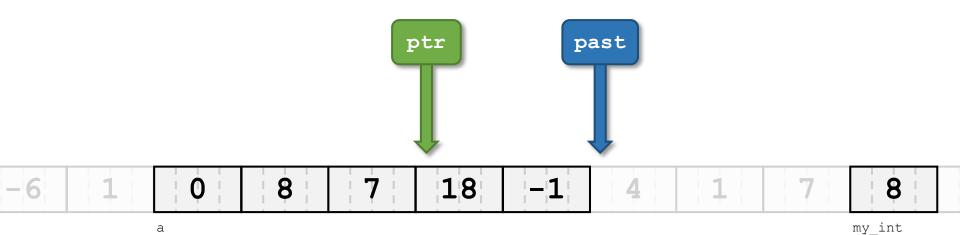
my_int

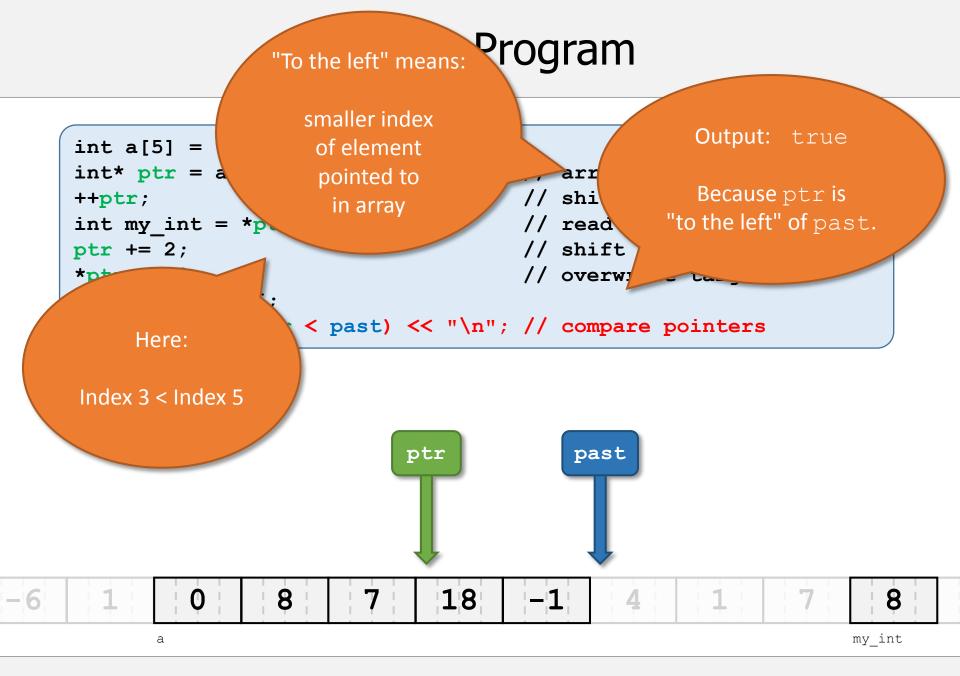


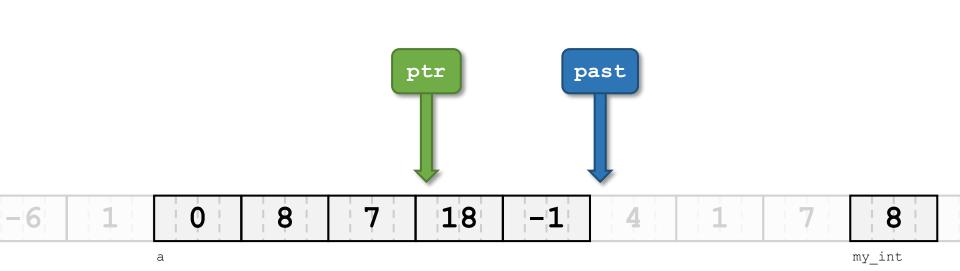
```
Output: true
int a[5] = \{0, 8, 7, 2, -1\};
int* ptr = a;
                                      // arr
                                                    Because ptr is
                                      // shi
++ptr;
                                                   "to the left" of past.
int my int = *ptr;
                                      // read
ptr += 2;
                                      // shift
*ptr = 18;
                                      // overw:
int* past = a+5;
std::cout << (ptr < past) << "\n"; // compare pointers</pre>
```



```
"To the left" means: Program
                    smaller index
                                                      Output: true
int a[5] =
                     of element
int* ptr = a
                     pointed to
                                                      Because ptr is
                                       // shi
++ptr;
                      in array
                                                   "to the left" of past.
int my_int = *p
                                       // read
ptr += 2;
                                       // shift
*ptr = 18;
                                       // overwi
int* past = a+5;
std::cout << (ptr < past) << "\n"; // compare pointers</pre>
```







13