Given the following static array declaration, sketch the layout and subsequent contents as it would look in memory:

Value:									5
Address:	0x4f83821c	0x4f838220	0x4f838224	0x4f838228	0x4f83822c	0x4f838230	0x4f838234	0x4f838238	0x4f83823c
Identifier:									NUM_SECTIONS

```
const unsigned int NUM SECTIONS = 5;
cout << &NUM SECTIONS << endl;</pre>
                                              // prints 0x4f83823c
int sectionSizes[NUM SECTIONS] = {0};
cout << sectionSizes << endl;</pre>
                                             // prints 0x4f838224
const int SECTION A = 0, SECTION B = 1, SECTION C = 2, SECTION D = 3, SECTION E = 4;
sectionSizes[ SECTION C ] = 60;
sectionSizes[ SECTION D ] = 61;
cout << sectionSizes[ SECTION C ] << endl; // what does this print?</pre>
// equation and math to determine location of each element within array?
cout << &sectionSizes[ SECTION C ] << endl; // what does this print?</pre>
sectionSizes[ SECTION A ] = sectionSizes[ SECTION C ];
sectionSizes[ SECTION B ] = sectionSizes[ SECTION D ] - 2;
sectionSizes[ SECTION E ] = sectionSizes[ SECTION A ]; // runtime to access each element? O(
// runtime to print entire array contents? O(
for(unsigned int i = 0; i < NUM SECTIONS; i++) {</pre>
  cout << "Section " << (char)('A' + i) << ": " << sectionSizes[i] << endl;</pre>
```