Consider the usual algorithm for determining whether a sequence of parentheses is balanced. What is the maximum number of parentheses that will appear on the stack AT ANY ONE TIME when the algorithm analyzes: (()(())(())(())):

- ° 1
- · ° 2
- . 0 3
- . 0 4

Which of the following correctly accesses the seventh element stored in foo, an array with 100 elements?:

- Foo[6];
- <sup>©</sup> Foo[7];
- Foo(7);
- <sup>©</sup> Foo;