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CS 326

HW3

1. This will take 6x4 bytes or 24 bytes total. This is because the outer block allocates for a, b, and c then goes into the next block and allocates for d an e. It then goes into the next block to allocate f. After this block, we jump out 2 levels and regain some space for those 3 variables. We use that space for the variables g, h, and i.
2. P (Procedure)

B : real (From P’s parameters)

X : real

Q (Procedure)

R (Procedure)

A : real (From R’s parameters)

C : real (From R’s parameters)

Z : real

1. (a) Line 7: a refers to line 2 and prints 1

b refers to line 5 and prints 1

Line 11: a refers to line 8 and prints 3

b refers to line 5 and prints 1

Line 14: a refers to line 2 and prints 1

b refers to line 2 and prints 2

(b) There would be erros because a is not defined in the scope of lines 5 or 7 where it is used.

(c) Line 7: a refers to line 8 and prints 3

b refers to line 5 and prints 3

Line 11: a refers to line 8 and prints 3

b refers to line 5 and prints 3

Line 14: a refers to line 2 and prints 1

b refers to line 3 and prints 2

1. (a) Prints 3

(b) Prints 4

(c) Prints 1