

American Computer Science League

JUNIOR DIVISION

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2019-2020 — Contest #3

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5. What Does This Program Do? - Arrays

What is outputted when this program is run? for i = 1 to 5 for j = 1 to 5 a(i,j) = int((i+j)/2)next j next i for i = 1 to 5 for j = 1 to 5 if a(i,j) / 2 == int(a(i,j) / 2) then a(i,j) = a(i,j) / 2else a(i,j) = 2 * a(i,j)end if next j next i for i = 1 to 5 for j = 1 to 4 if a(i,j) == a(i, j + 1) then a(i,j) = 0end if next j next i

print a(1,5) + a(5,5)

end

5.