

SUM3(A, j, k, m)

if (j=k) return ~~(A[j] + (j*k*m));~~

~~A[j] + (j*k*m);~~

x = (j+k)/2

B ← SUM3(A, j, x, m);

e ← SUM3(A, x+1, k, m);

return B+e

Ok

sum(A, 1, 4)

5/2 = 2

b = sum3(A, 1, 2)

e = sum3(A, 3, 4)

return

1+2/2 = 1

b ← sum3(A, 1, 1) ← A[1]

e ← sum3(A, 2, 2) ← A[2]

return b+e

7/2 = 3

b ← sum3(A, 3, 3) ← A[3]

e ← sum3(A, 4, 4) ← A[4]

return b+e

1, 2, 3, 4

1+4+2+8+3+12+4+16

5 10 15 20