

HW 8

Tuesday, November 8, 2022

12:07 AM

4x4 array A, B

$$C_{ii} = A_{ii} + B_{ii}$$

i> for i in range(row):

for j in range(col):

$$C[i][j] = A[i][j] + B[i][j];$$

end

end \rightarrow 16 cycles

$$\text{ii)} \quad A = \{ A[1,1], A[1,2], \dots, A[2,1], \dots, A[4,4] \}$$

$$B = \{ B[1,1], B[1,2], \dots, B[2,1], \dots, B[4,4] \}$$

$$C = A + B \quad \rightarrow \quad 3 \text{ cycles}$$