**Task 3**

MATRICES

a[2][2] {{1,2}

{3,4}}

b[2][2]

c[2][2]

**Addition**

for i <- 0 to length of a - 1

for j <- 0 to length of a – 1

c[i][j] <- (a[i][j] + b[i][j])

**Subtraction**

for i <- 0 to length of a - 1

for j <- 0 to length of a – 1

c[i][j] <- (a[i][j] - b[i][j])

**Mulitiplication**

for i <- 0 to length of a – 1

for j <- 0 to length of a - 1

for k <- 0 to length of a - 1

c[i][j] =+ a[i][k] \* b[k][j]