#include "matrixmul.h"

void matrixmul(

mat\_a\_t a[MAT\_A\_ROWS][MAT\_A\_COLS],

mat\_b\_t b[MAT\_B\_ROWS][MAT\_B\_COLS],

result\_t res[MAT\_A\_ROWS][MAT\_B\_COLS])

{

// Iterate over the rows of the A matrix

Row: for(int i = 0; i < MAT\_A\_ROWS; i++) {

// Iterate over the columns of the B matrix

Col: for(int j = 0; j < MAT\_B\_COLS; j++) {

// Do the inner product of a row of A and col of B

res[i][j] = 0;

Product: for(int k = 0; k < MAT\_B\_ROWS; k++) {

res[i][j] += a[i][k] \* b[k][j];

}

}

}

}