// This program finds the Boolean product of two 0-1 matrices A and B.

// Get the input from the user.

Console.WriteLine("Enter the number of rows in matrix A:");

int m = int.Parse(Console.ReadLine());

Console.WriteLine("Enter the number of columns in matrix A:");

int k = int.Parse(Console.ReadLine());

Console.WriteLine("Enter the number of columns in matrix B:");

int n = int.Parse(Console.ReadLine());

// Create the matrices A and B.

int[,] A = new int[m, k];

int[,] B = new int[k, n];

// Get the values for matrix A.

for (int i = 0; i < m; i++)

{

for (int j = 0; j < k; j++)

{

Console.WriteLine("Enter the value for A[{0}, {1}]:", i, j);

A[i, j] = int.Parse(Console.ReadLine());

}

}

// Get the values for matrix B.

for (int i = 0; i < k; i++)

{

for (int j = 0; j < n; j++)

{

Console.WriteLine("Enter the value for B[{0}, {1}]:", i, j);

B[i, j] = int.Parse(Console.ReadLine());

}

}

// Create the Boolean product of A and B.

int[,] C = new int[m, n];

for (int i = 0; i < m; i++)

{

for (int j = 0; j < n; j++)

{

C[i, j] = A[i, j] \* B[j, i];

}

}

// Print the Boolean product.

Console.WriteLine("The Boolean product of A and B is:");

for (int i = 0; i < m; i++)

{

for (int j = 0; j < n; j++)

{

Console.Write(C[i, j] + " ");

}

Console.WriteLine();

}