

```

public class MatrixMult {

    public static int[] [] mult (int a[] [], int b[] []) {
        int arows = a.length;
        int acolumns = a[0].length;
        //int brows = b.length;
        int bcolumns = b[0].length;
        int sum[] [] = new int [arows] [bcolumns];

        for (int r=0; r<arows; r++) {
            for (int c=0; c<bcolumns; c++) {
                int value = 0;
                for (int r1=0; r1<acolumns; r1++) {
                    value += a[r] [r1]*b[r1] [c];
                }
                sum [r] [c] = value;
            } //sum columns
        } //sum rows
        return sum;
    } //mult
}

```