**package** com;

**public** **class** multiply {

**public** **static** **void** main(String args[]){

**int** a[][]={{1,4},{4,8}};

**int** b[][]={{1,5},{4,2}};

**int** c[][]=**new** **int**[2][2];

**for**(**int** i=0;i<2;i++){

**for**(**int** j=0;j<2;j++){

c[i][j]=0;

**for**(**int** k=0;k<2;k++)

{

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

}

System.***out***.print(c[i][j]+" ");

}

System.***out***.println();

}

}

}