$3 \quad 4$

$$\begin{bmatrix} 10 & 11 & 12 & 13 \\ 21 & 22 & 42 & 11 \\ 6 & 9 & 53 & -7 \end{bmatrix}$$

→ 27

$10.27 \quad 53$

$h \times w =$

$$\begin{bmatrix} a & b & c & d & e \\ 7 & 9 & h & i & j \\ k & l & m & n & o \end{bmatrix}$$

$a \, g \, m$

$$\begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix}$$

$a \, e \, i$

19	22	28	
10	11	2	47
17	15	16	12

$+$

0 18	20	25	77
19	97	26	48
100	101	150	168

$=$

19	22	28	41

```
for (int i = 0; i < n; i++) {
    for (int j = 0; j < m; j++) {
        print(i, j);
    }
}
```

$n = 4$
$m = 3$

$m1[0][2] \# = m2[0][2]$

(0,0)   (0,1)   (0,2)
(1,0)   (1,1)   (1,2)
(2,0)   (2,1)   (2,2)

(3,0)   (3,1)   (3,2)

$$\begin{array}{c|c|c|c} & 0 & 1 & 2 \\ \hline 0 & & & \\ \hline 1 & & & \\ \hline & & & \end{array}$$