Matriz M (1 x 6 x 6)

0	2	1	1	0	1
1	0	2	2	1	0
0	0	1	1	1	2
2	1	2	0	0	0
0	1	1	1	0	0
1	1	1	1	2	0

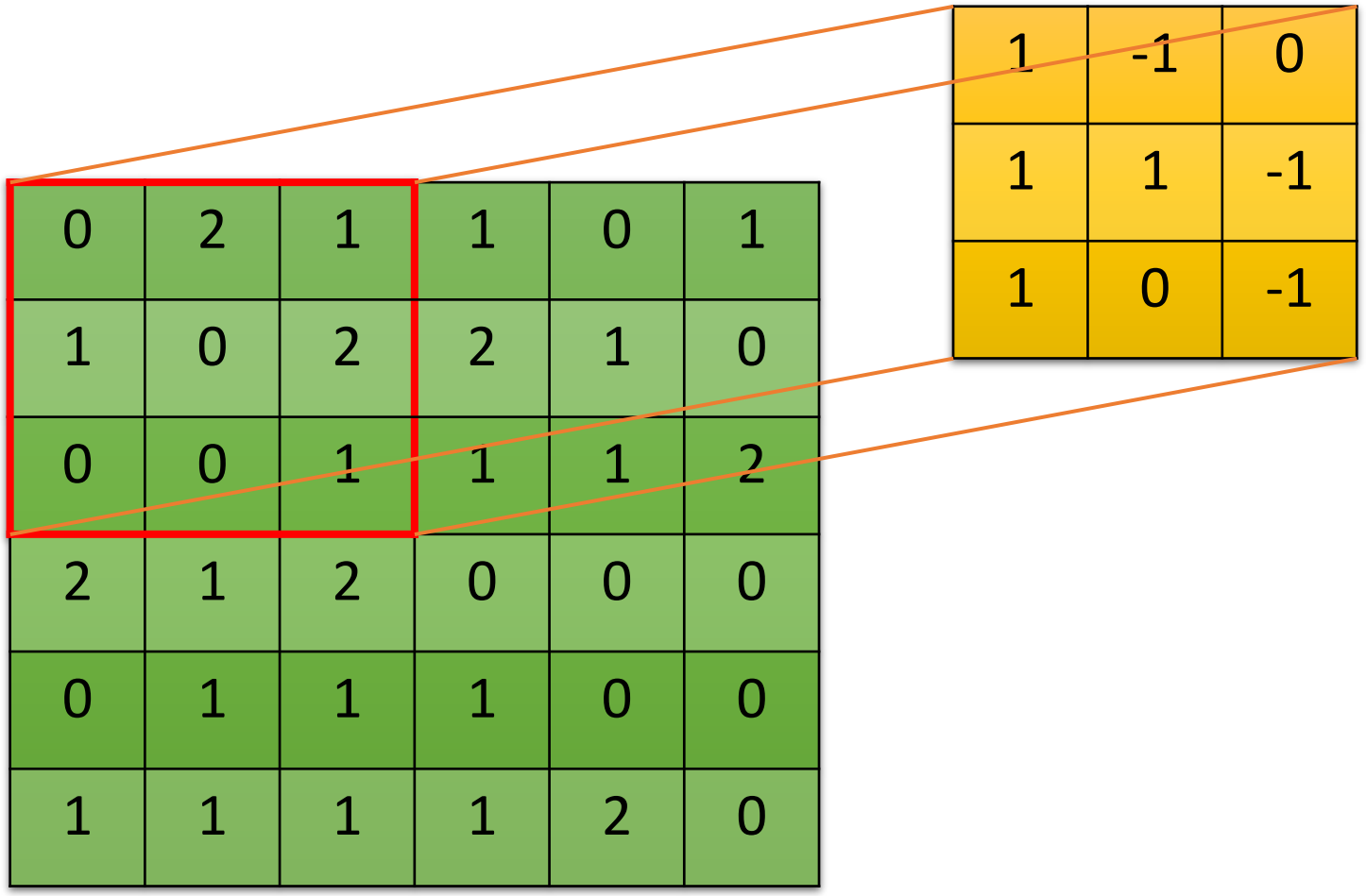
Filtro W (1 x 3 x 3)

1	-1	0
1	1	-1
1	0	-1

Output (1 x 4 x 4)

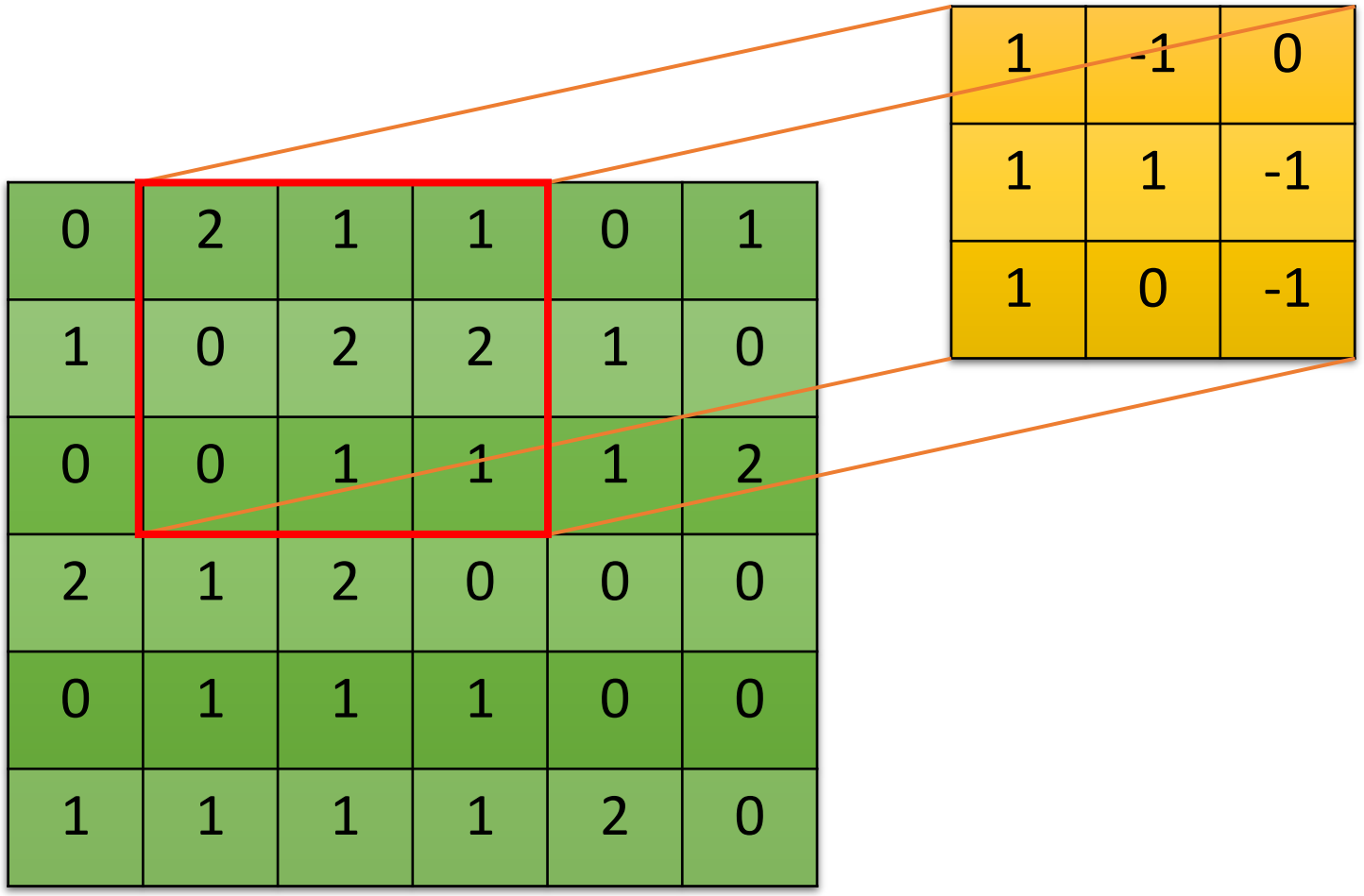
-4	0	3	3
0	-1	3	1
0	2	3	1
1	0	3	2

Stride: 1
Padding: No



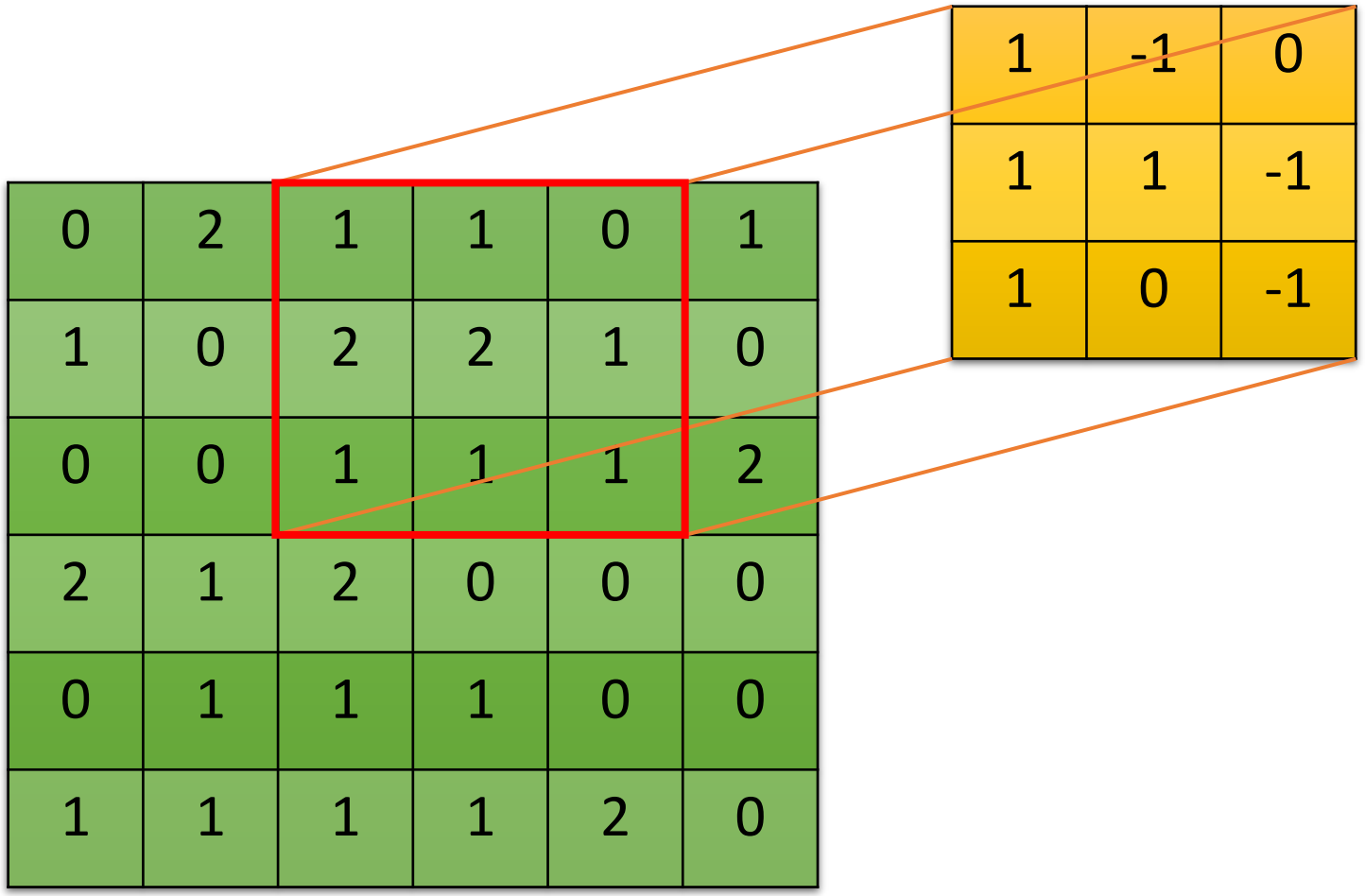
-4	0	3	3
0	-1	3	1
0	2	3	1
1	0	3	2

Output[0][0] = (1)(0) + (-1)(2) + (0)(1) + (1)(1) + (1)(0) + (-1)(2) + (1)(0) + (0)(0) + (-1)(1) = -4



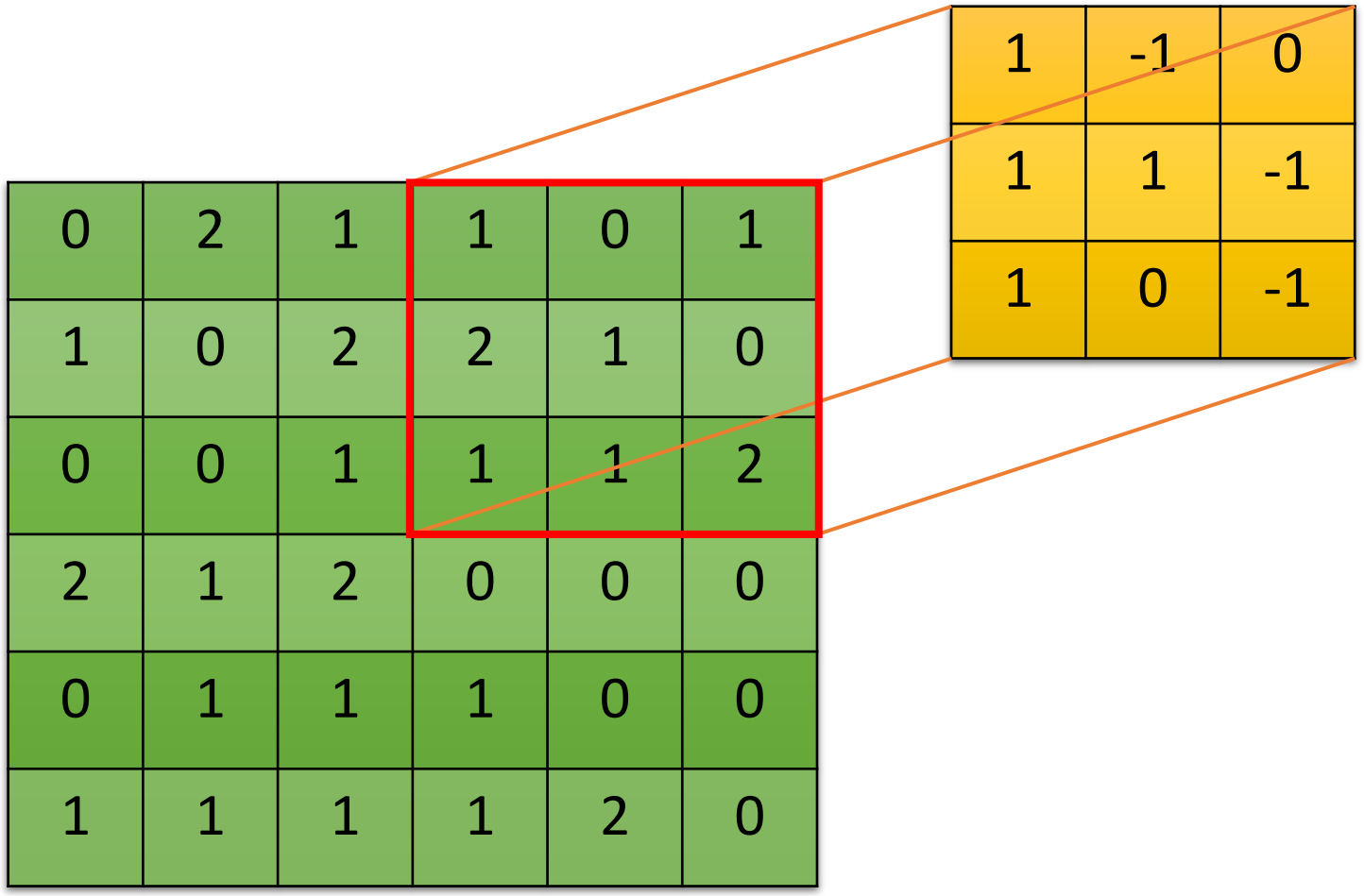
-4	0	3	3
0	-1	3	1
0	2	3	1
1	0	3	2

Output[0][1] = (1)(2) + (-1)(1) + (0)(1) + (1)(0) + (1)(2) + (-1)(2) + (1)(0) + (0)(1) + (-1)(1) = 0



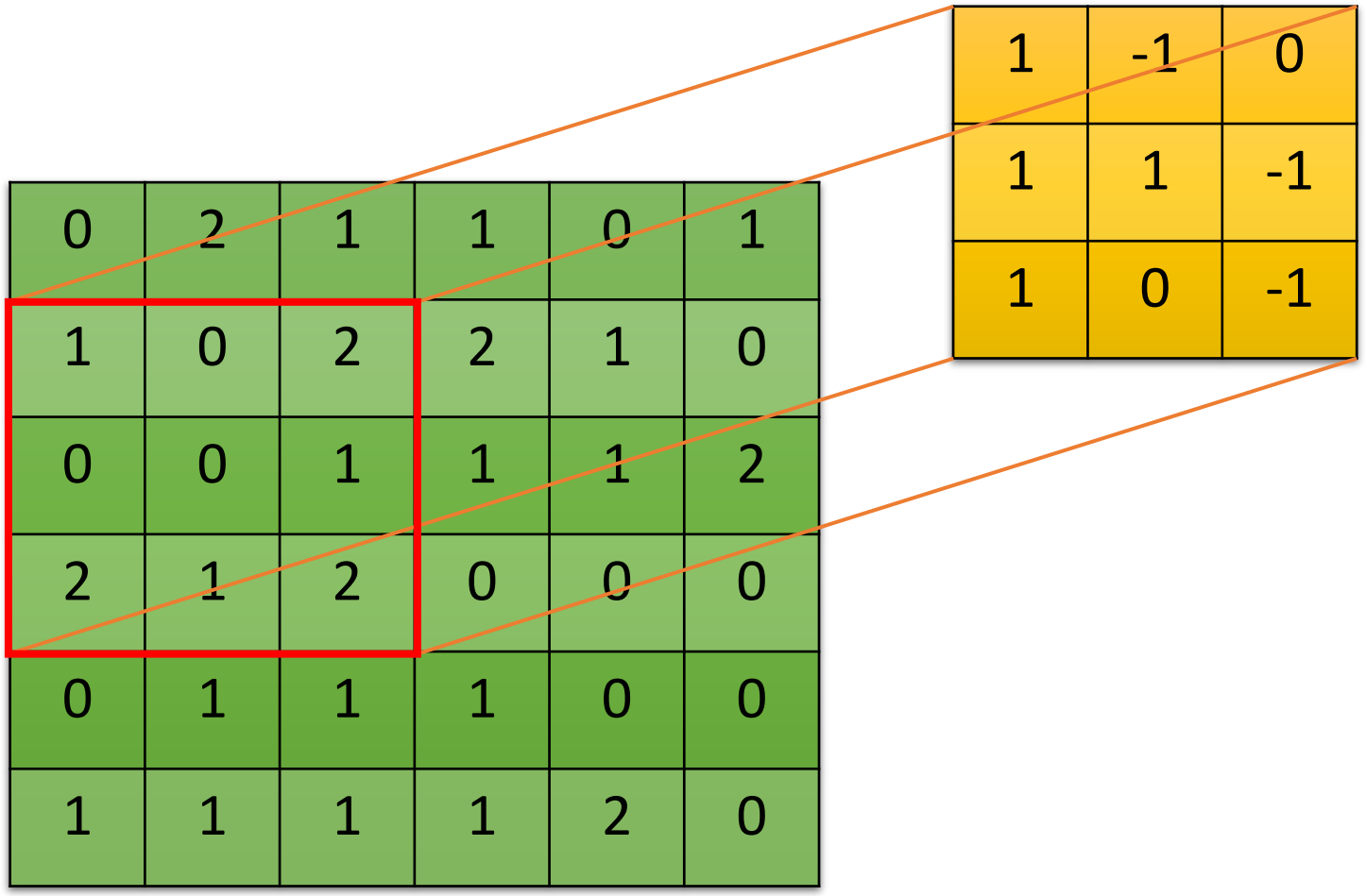
-4	0	3	3
0	-1	3	1
0	2	3	1
1	0	3	2

Output[0][2] = (1)(1) + (-1)(1) + (0)(0) + (1)(2) + (1)(2) + (-1)(1) + (1)(1) + (0)(1) + (-1)(1) = 3



-4	0	3	3
0	-1	3	1
0	2	3	1
1	0	3	2

Output[0][3] = (1)(1) + (-1)(0) + (0)(1) + (1)(2) + (1)(1) + (-1)(0) + (1)(1) + (0)(1) + (-1)(2) = 3



-4	0	3	3
0	-1	3	1
0	2	3	1
1	0	3	2

Output[1][0] = (1)(1) + (-1)(0) + (0)(2) + (1)(0) + (1)(0) + (-1)(1) + (1)(2) + (0)(1) + (-1)(2) = 0

APLICADO A TEXTO

Matriz de embeddings M (1 x 6 x 6)

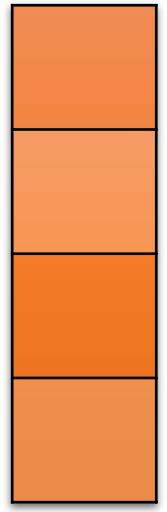
It	0	2	1	1	0	1
is	1	0	2	2	1	0
me	0	0	1	1	1	2
hi	2	1	2	0	0	0
everybody	0	1	1	1	0	0
agrees	1	1	1	1	2	0

Filtro 1D W (1 x 3 x 6)

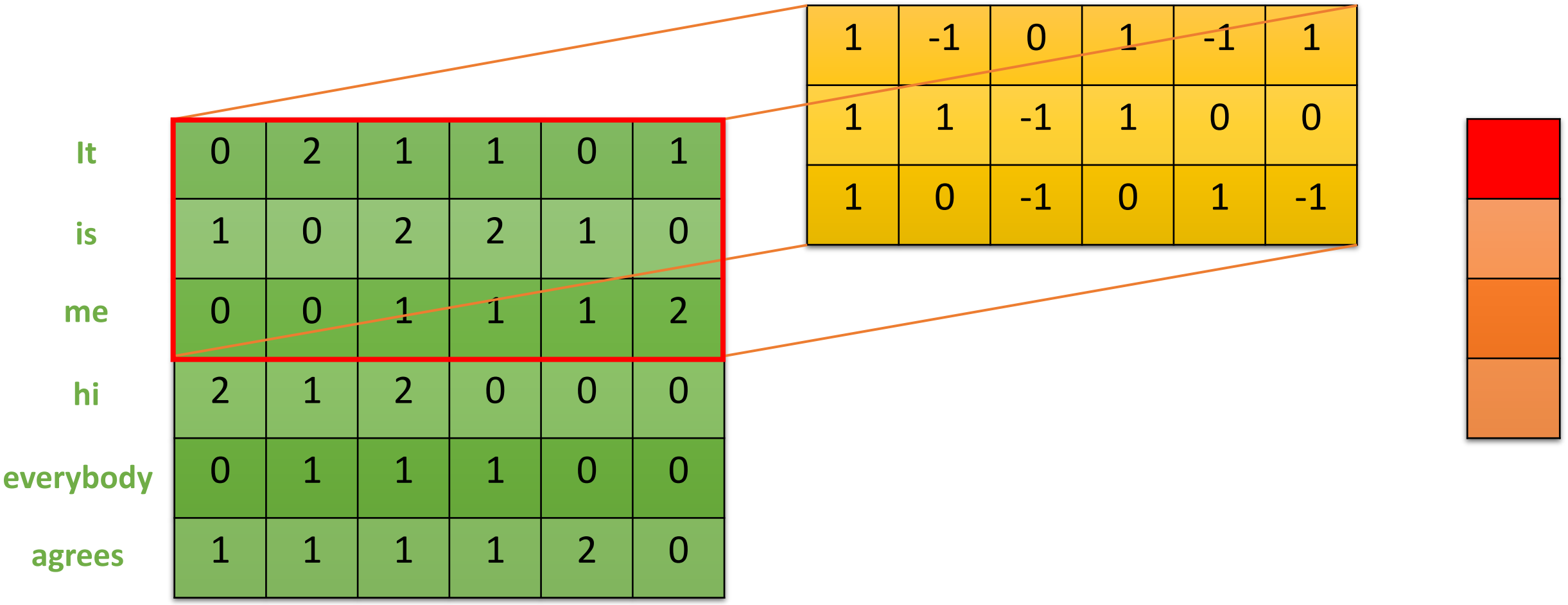
1	-1	0	1	-1	1
1	1	-1	1	0	0
1	0	-1	0	1	-1

Numero de columnas fijo

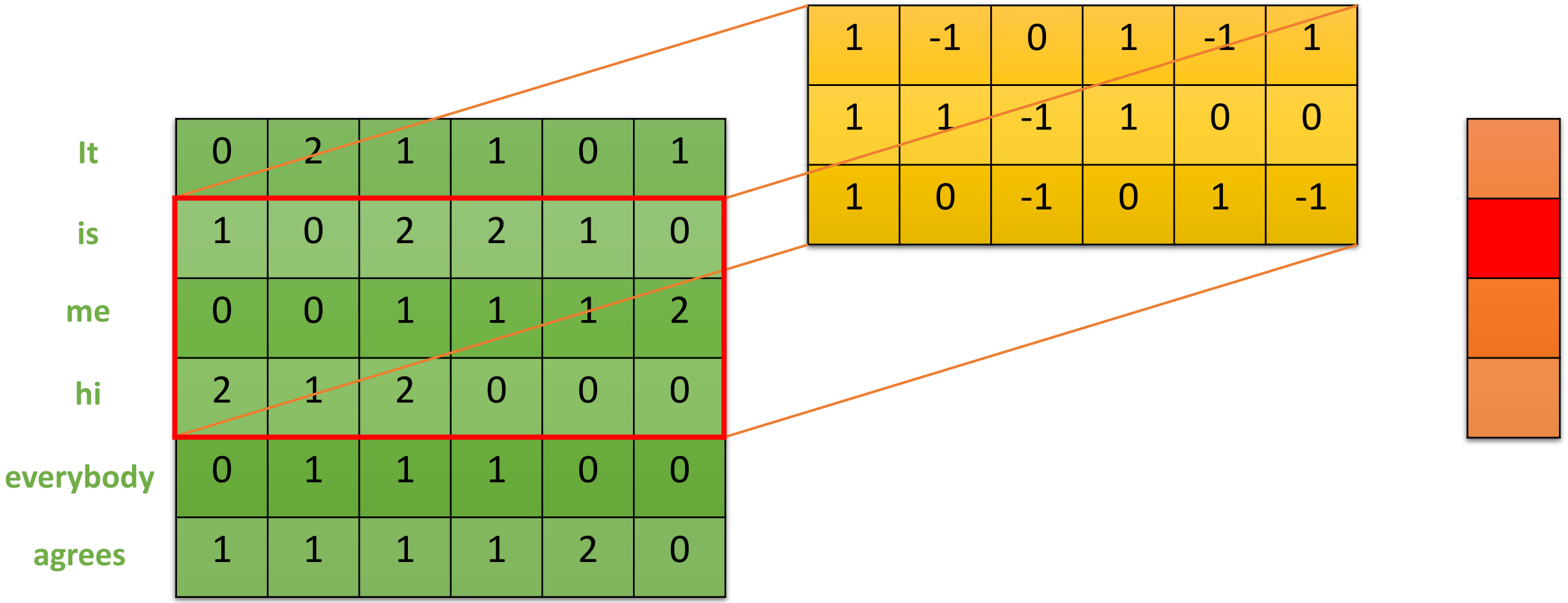
Output (1 x 4 x 1)



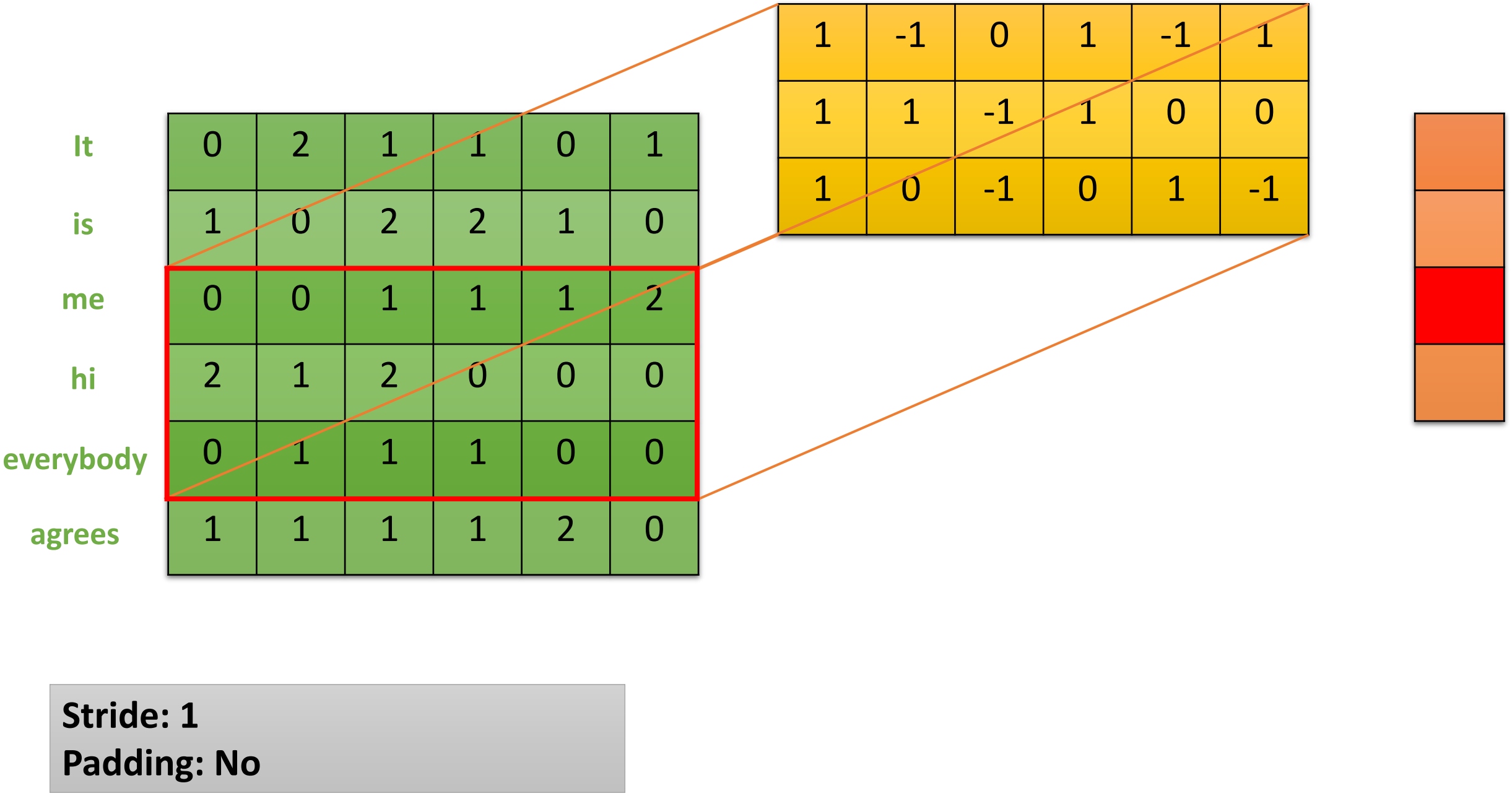
Stride: 1
Padding: No



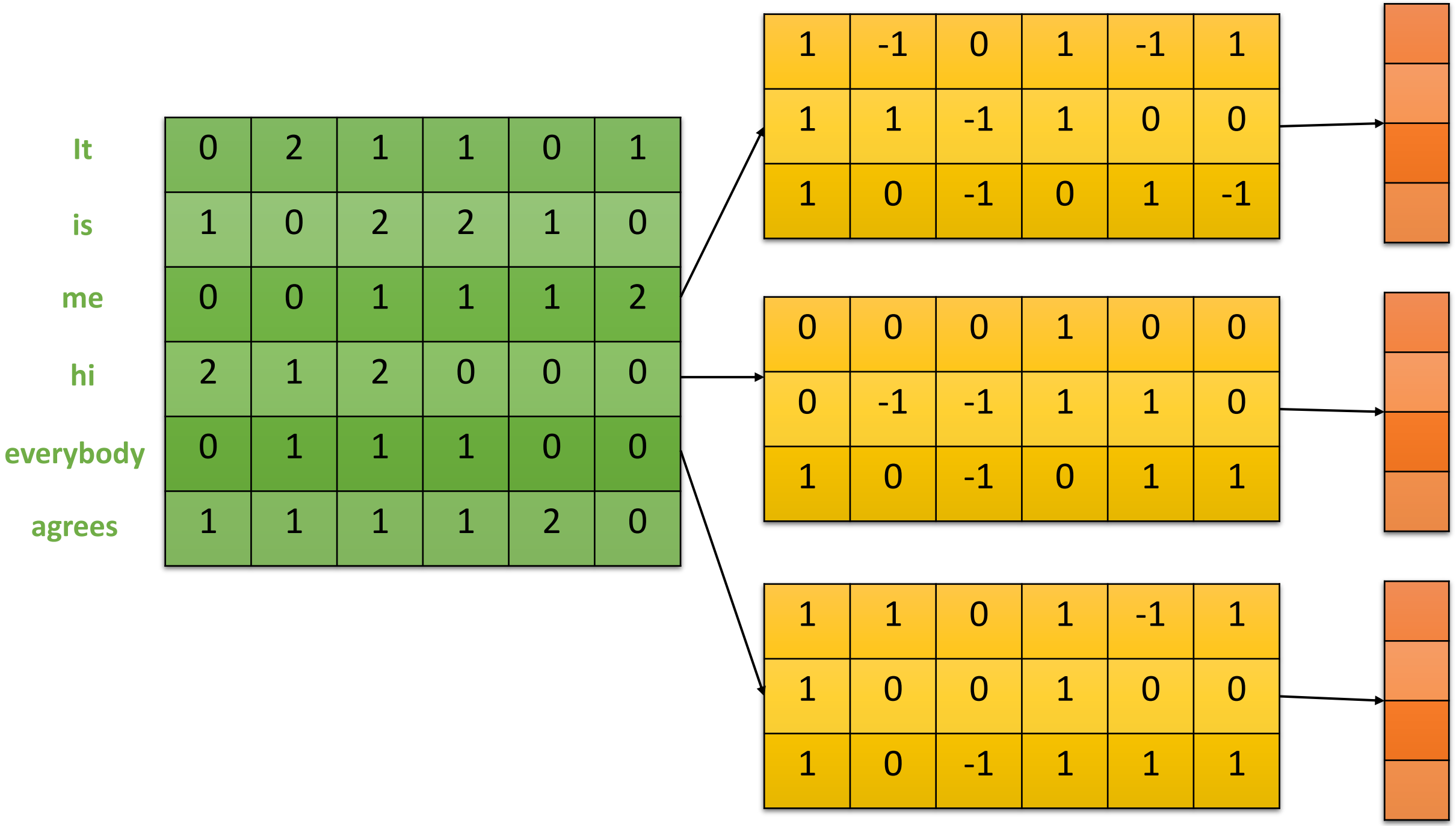
Stride: 1
Padding: No

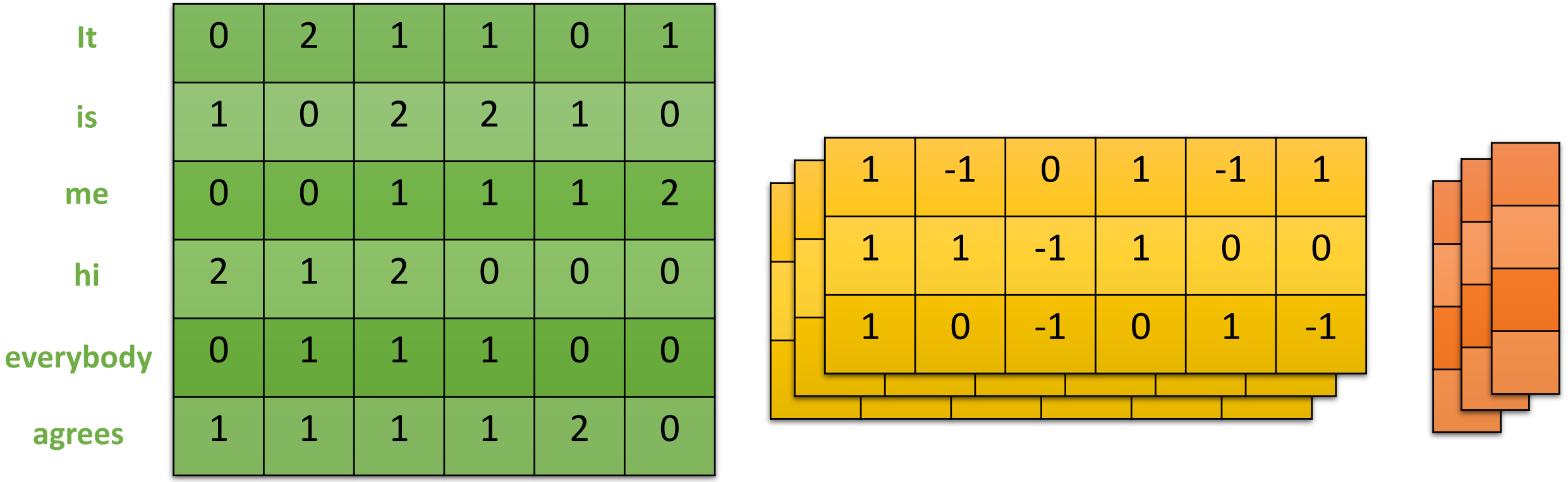


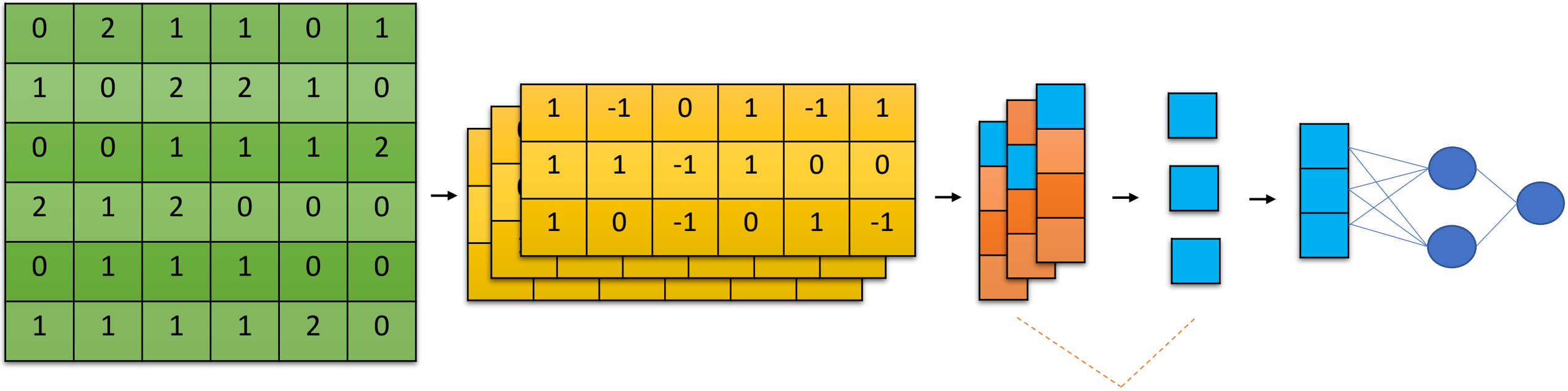
Stride: 1
Padding: No



Stride: 1
Padding: No


It
is
me
hi
everybody
agrees
0 2 1 1 0 1
1 0 2 2 1 0
0 0 1 1 1 2
2 1 2 0 0 0
0 1 1 1 0 0
1 1 1 1 2 0
1 -1 0 1 -1 1
1 1 -1 1 0 0
1 0 -1 0 1 -1
0 0 0 1 0 0
0 -1 -1 1 1 0
1 0 -1 0 1 1
1 1 0 1 -1 1
1 0 0 1 0 0
1 0 -1 1 1 1


It
0 2 1 1 0 1
is
1 0 2 2 1 0
me
0 0 1 1 1 2
hi
2 1 2 0 0 0
everybody
0 1 1 1 0 0
agrees
1 1 1 1 2 0
1 -1 0 1 -1 1
1 1 -1 1 0 0
1 0 -1 0 1 -1



Matriz de embeddings
M (1 x 6 x 6)

Filtro 1D W (3 x 3 x 6)

Max Pooling