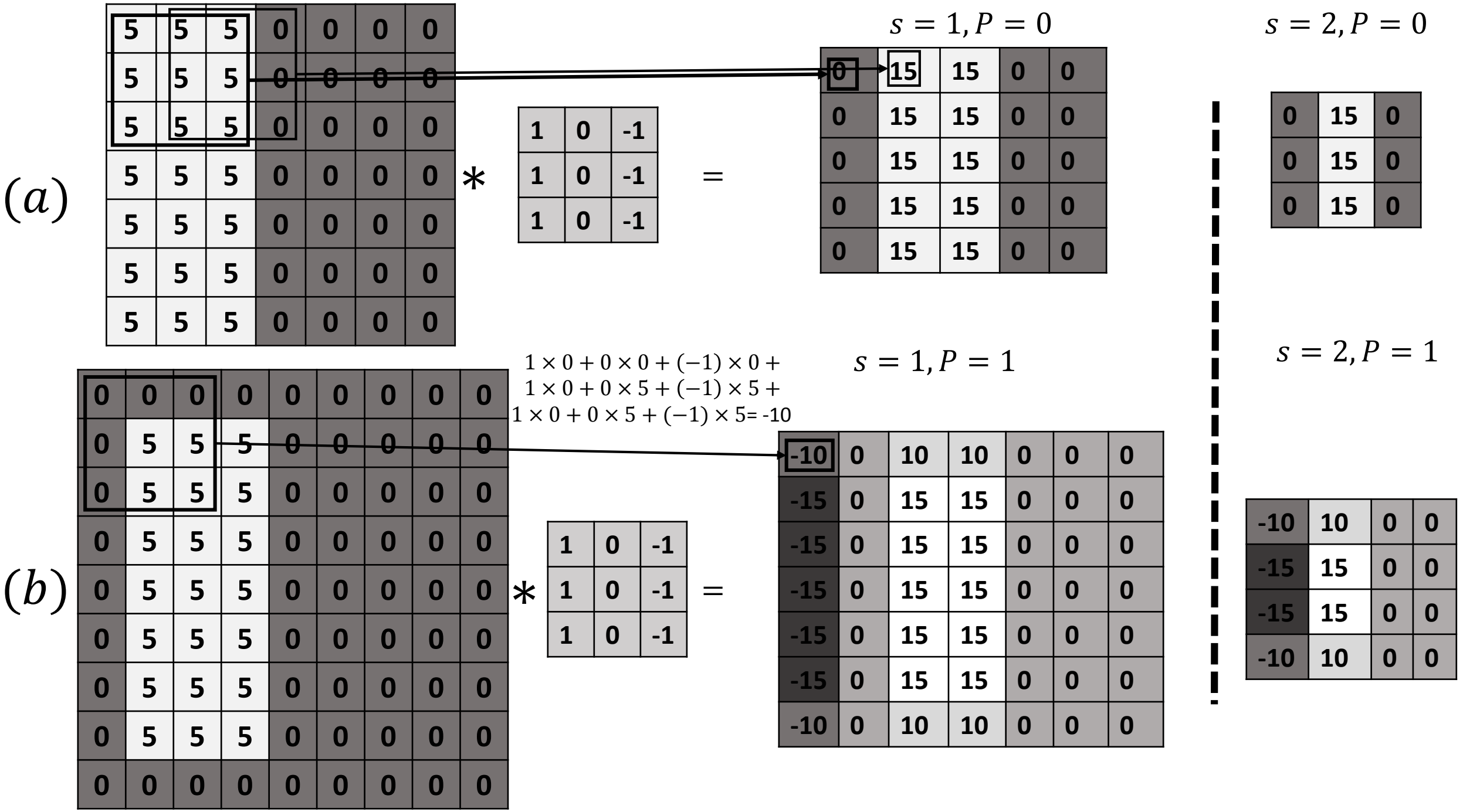
(a)
5 5 5 0 0 0 0
5 5 5 0 0 0 0
5 5 5 0 0 0 0
5 5 5 0 0 0 0
5 5 5 0 0 0 0
5 5 5 0 0 0 0
5 5 5 0 0 0 0
*
1 0 -1
1 0 -1
1 0 -1
=
$s = 1, P = 0$
0 15 15 0 0
0 15 15 0 0
0 15 15 0 0
0 15 15 0 0
0 15 15 0 0
$s = 2, P = 0$
0 15 0
0 15 0
0 15 0
(b)
0 0 0 0 0 0 0 0 0
0 5 5 5 0 0 0 0 0
0 5 5 5 0 0 0 0 0
0 5 5 5 0 0 0 0 0
0 5 5 5 0 0 0 0 0
0 5 5 5 0 0 0 0 0
0 5 5 5 0 0 0 0 0
0 0 0 0 0 0 0 0 0
*
1 0 -1
1 0 -1
1 0 -1
=
$1 \times 0 + 0 \times 0 + (-1) \times 0 +$
$1 \times 0 + 0 \times 5 + (-1) \times 5 +$
$1 \times 0 + 0 \times 5 + (-1) \times 5 = -10$
$s = 1, P = 1$
-10 0 10 10 0 0 0
-15 0 15 15 0 0 0
-15 0 15 15 0 0 0
-15 0 15 15 0 0 0
-15 0 15 15 0 0 0
-15 0 15 15 0 0 0
-10 0 10 10 0 0 0
$s = 2, P = 1$
-10 10 0 0
-15 15 0 0
-15 15 0 0
-10 10 0 0