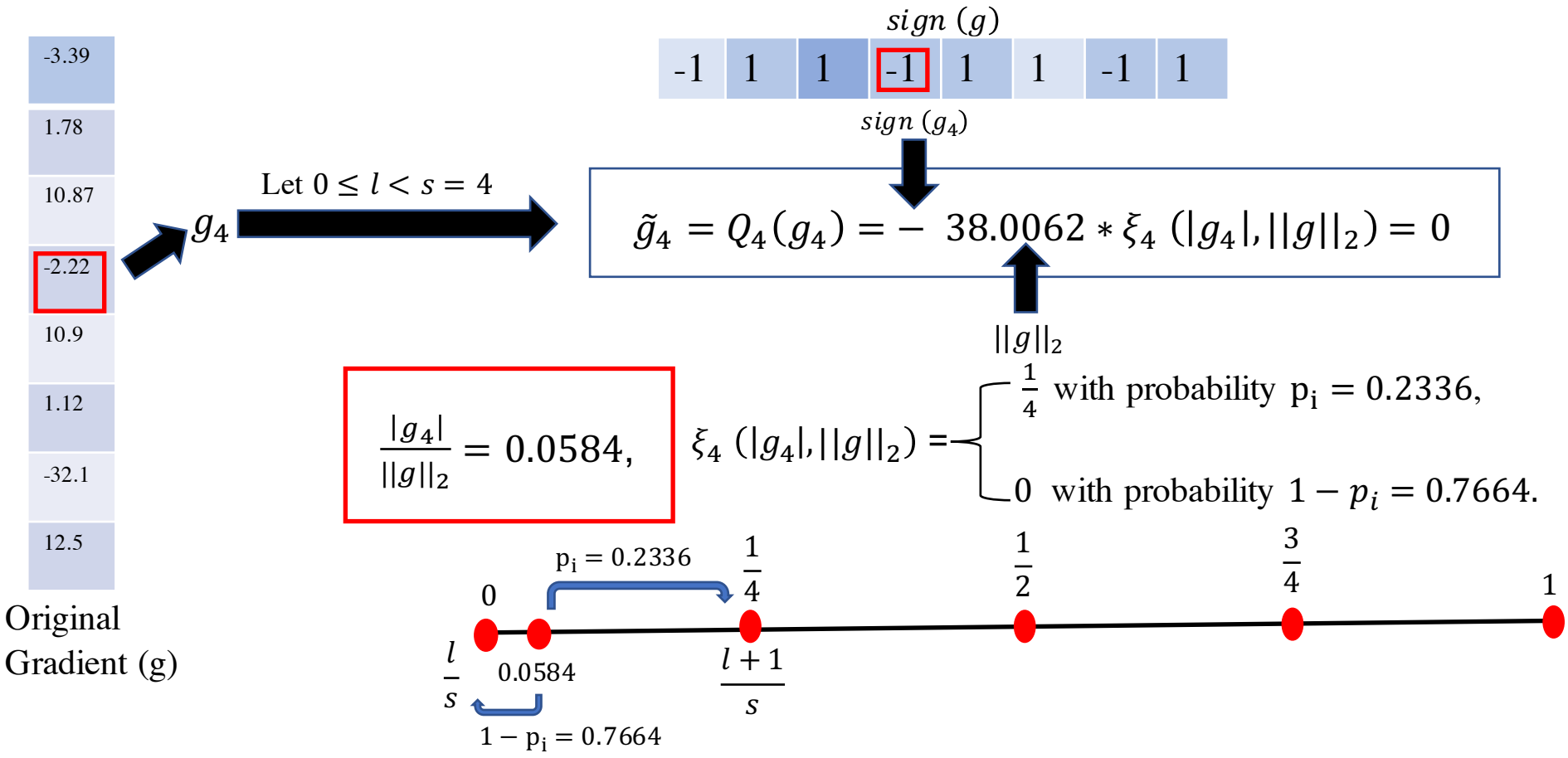
sign (g)
-1 1 1 -1 1 1 -1 1
sign (g4)
-3.39
1.78
10.87
-2.22
10.9
1.12
-32.1
12.5
Original Gradient (g)
g4
Let 0 ≤ l < s = 4
g̃4 = Q4(g4) = − 38.0062 * ξ4 (|g4|, ||g||2) = 0
||g||2
|g4| / ||g||2 = 0.0584,
ξ4 (|g4|, ||g||2) =
1/4 with probability pi = 0.2336,
0 with probability 1 − pi = 0.7664.
pi = 0.2336
0
1/4
1/2
3/4
1
l/s
0.0584
(l+1)/s
1 − pi = 0.7664