Gaussian Pyramid (Compression)

g_3 → 6 5 5

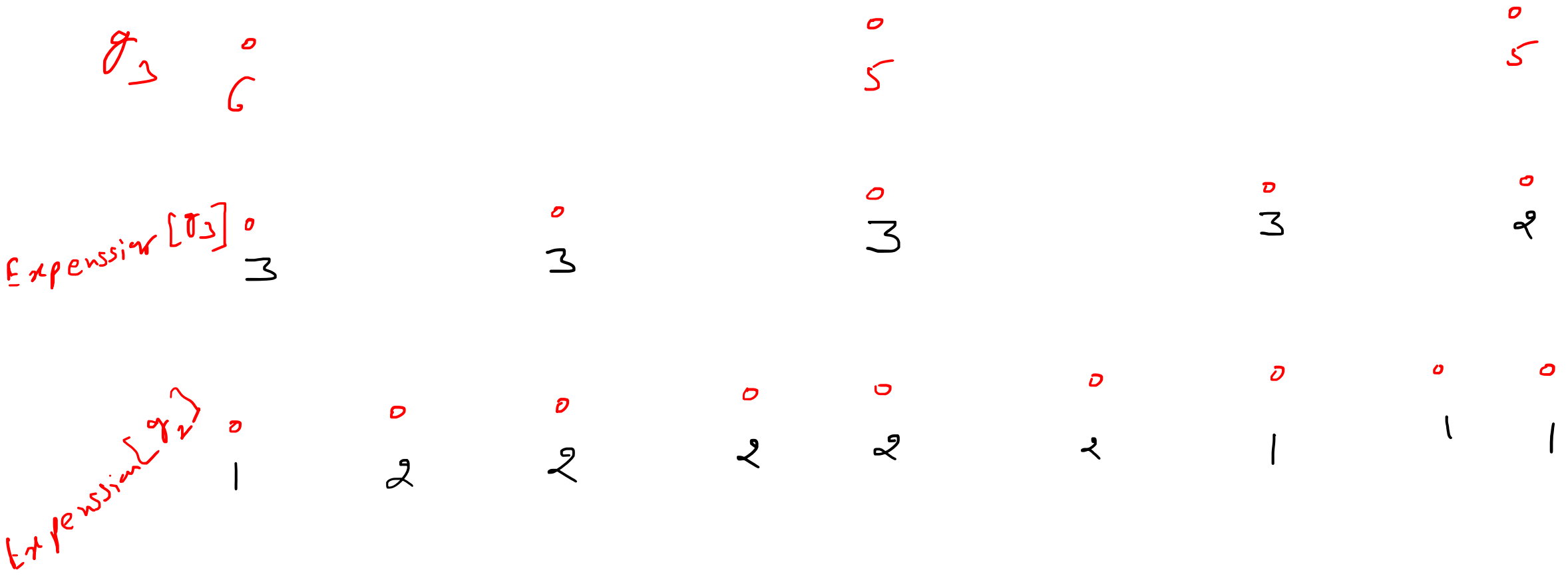
g_2 → 7 6 5 4 7

6 7 7 6 5 9 3 4 2 7 8 8 7

g_1

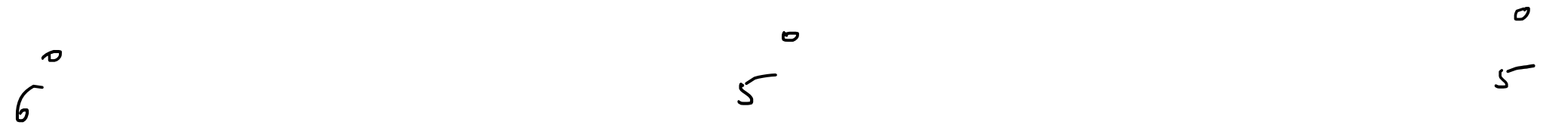
[0.05 0.25 0.4 0.25 0.05]

Gaussian Pyramid (Expession)

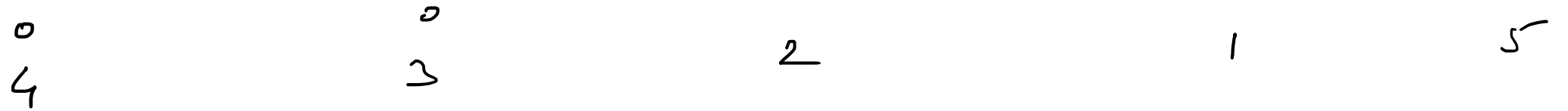


Laplacian Pyramid (Compression)

$L_3 = g_3$



$L_2 = g_2 - \text{Expenssion}[g_3]$



$L_1 = g_1 - \text{Expenssion}[g_2]$

Laplacian Pyramid (Expension)

$g_3 = L_3$

6 5 5

$g_2 = \text{Expension}[g_3] + L_2$

7 6 5 4 7

$g_1 = \text{Expenssion}[g_2] + L_1$

7 6 5 9 3 4 2 7 8