Padded zeros Matrix,it has height = 7, width = 7, depth = 3
{
0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 1, 0, 2, 0,
0, 1, 0, 2, 0, 1, 0,
0, 1, 0, 2, 2, 0, 0,
0, 2, 0, 0, 2, 0, 0,
0, 2, 1, 2, 2, 0, 0,
0, 0, 0, 0, 0, 0, 0,

0, 0, 0, 0, 0, 0, 0,
0, 2, 1, 2, 1, 1, 0,
0, 2, 1, 2, 0, 1, 0,
0, 0, 2, 1, 0, 1, 0,
0, 1, 2, 2, 2, 2, 0,
0, 0, 1, 2, 0, 1, 0,
0, 0, 0, 0, 0, 0, 0,

0, 0, 0, 0, 0, 0, 0,
0, 2, 1, 1, 2, 0, 0,
0, 1, 0, 0, 1, 0, 0,
0, 0, 1, 0, 0, 0, 0,
0, 1, 0, 2, 1, 0, 0,
0, 2, 2, 1, 1, 1, 0,
0, 0, 0, 0, 0, 0, 0}

Unrolled input:,it has height = 27, width = 9, depth = 1
{
0, 0, 0, 0, 0, 0, 0, 0, 2,
0, 0, 0, 1, 2, 1, 2, 0, 0,
0, 0, 0, 0, 0, 0, 0, 2, 0,
0, 0, 0, 0, 0, 2, 0, 1, 2,
0, 1, 2, 1, 2, 0, 2, 2, 0,
0, 0, 0, 0, 2, 0, 1, 2, 0,
0, 0, 0, 0, 0, 2, 0, 0, 0,
1, 2, 1, 2, 0, 0, 0, 0, 0,
0, 0, 0, 0, 2, 0, 0, 0, 0,
0, 0, 0, 0, 1, 0, 0, 2, 2,
0, 0, 0, 2, 2, 1, 1, 2, 2,
0, 0, 0, 1, 0, 0, 2, 2, 0,
0, 1, 1, 0, 2, 0, 0, 1, 0,
2, 2, 1, 0, 1, 1, 0, 2, 1,
1, 1, 0, 2, 0, 0, 1, 0, 0,
0, 1, 0, 0, 2, 2, 0, 0, 0,
2, 2, 1, 1, 2, 2, 0, 0, 0,
1, 0, 0, 2, 2, 0, 0, 0, 0,
0, 0, 0, 0, 0, 1, 0, 0, 1,
0, 0, 0, 1, 0, 0, 1, 2, 0,
0, 0, 0, 0, 1, 0, 0, 1, 0,
0, 1, 2, 0, 1, 0, 0, 2, 1,
2, 1, 0, 0, 0, 0, 2, 1, 1,
1, 2, 0, 1, 0, 0, 2, 1, 0,
0, 0, 1, 0, 0, 1, 0, 0, 0,
1, 0, 0, 1, 2, 0, 0, 0, 0,
0, 1, 0, 0, 1, 0, 0, 0, 0}

← 1

← 2

← 3