

2 2 2
2 2 2 = [1]
2 2 2

2 1 2
1 1 1 = [0,1] || [1,0]
2 1 2

1 1 1
1 1 1 = [0]
1 1 1

1 2 1
2 1 2 = [0,0]
1 2 1

$$[0,1] + [0,0] = \begin{pmatrix} 2 & 1 & 2 \\ 1 & 1 & 1 \\ 2 & 1 & 2 \end{pmatrix} \begin{pmatrix} 1 & 2 & 1 \\ 2 & 1 & 2 \\ 1 & 2 & 1 \end{pmatrix} = \begin{pmatrix} 2 & 2 & 2 \\ 2 & 1 & 2 \\ 2 & 2 & 2 \end{pmatrix}$$