$$\mathcal{R}_{[1,4][0,3]3} = \mathcal{R}_{[2,3][1,4]4} = \emptyset$$

$$\mathcal{R}_{[2,5][0,3]3} = \mathcal{R}_{[2,5][1,4]4} = [0]$$

$$\mathcal{R}_{[1,4][1,4]4} = \mathcal{R}_{[2,3][0,3]3} = [1]$$

$$[1,4] \mapsto [1,4] \qquad [2,3] \mapsto [0,3]$$