

$$R = (1, 1), (1, 2), (2, 3), (3, 4) \tag{1}$$

$$R = (1, 1), (1, 2), (1, 3), (2, 4) \tag{2}$$

$$R = (1, 1), (1, 2), (1, 3), (1, 4) \tag{3}$$