$$X = [0,1] = [R]$$

$$Y = [1,2] = [R]$$

$$[1,2] = [x: xeR, 0 \le x \text{ and } x \le 1]$$

$$What does X*Y book like?$$

$$X*Y = [cx,y] : xeX, yeY]$$

$$= [cx,y] : oex \le 1, xeR \text{ and } yeR, 1 \le y \le 2].$$

$$X*Y \subseteq [R*R] = [R]$$

$$R*R = [cx,y] : xeR, yeR]$$

$$X*Y \subseteq [R*R] = [R]$$

$$X*Y \in [R]$$

$$X*Y \in$$