AxB = all ordered pairs (x,y) where xEA and yEB

Elements in Ai 919

Elements in B: 3, 4,5

Pair each element of A with each element of B

- · Take 9 (from A) with each element of B: (g,3),(g,4),(g,5)
- · Take y (from A) with each element of B: (y,3), (y,4), (y,5)

Herce,

 $A \times B = \{(g,3), (g,4), (g,5), (y,3), (y,4), (y,5)\}$

B: 3,4,5 (x,y) XEB and YEB

B-3:

B-4:

B-S:

(3,3),(3,4),(4,3),(4,4) (5,3),(5,4)

(3,5) (4,5)

(5,5)

BXA:

A: 9, 4

(x,y)

XEB and YEA

B: 3,4,5

B-3;

B-4:

B-5:

(3,9),(3,9)

(4,9),(4,4)

(5,9),(S,y)

BxA= ((13,9), (3,y), (4,9), (4,y), (5,9), (5,y))

AxA:

H: 914

(x, y)

XEA and 4EA

A-9:

A- y:

(919), (914)

(4,9),(4,4)

AxA = \ \(\((g,g), (g,y), (y,g), (y,y) \\ \)