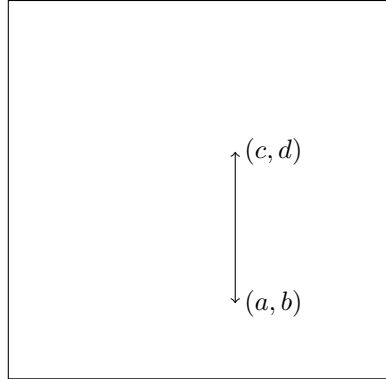


$$a < c \Rightarrow (a, b) < (c, d)$$



$$a = c \wedge b < d \Rightarrow (a, b) < (c, d)$$