Structural Induction: Let x be a nell-ordered set. Let Pix he a proposition for x EX 17: 1) Pixo, holds where no is the least element of x 2) Grall yez Z 17 Pcy) es true => Pcz) is true. then P(x) is true for all  $x \in X$ . e.f.  $N \times N = \{(a,b)\}$  co,b)  $< (x_0, y_1)$  if  $a < x_1$ or a: x bey.

