Problem 5:

- i) There is a model M with n elements

 ii) If xoEM exists, xo has successor x, by constraint O.

 iii) $x, > x_o$ by by constraint 411) Do for all x's in Model M.
- 1) Xn successor most be larger than xn.
- Vi) Yn most be own successor.
- ii) This previous pt. violates the 6th constraint.