

$$\{Y: p_j(Y) \geq d_j\}$$

$$= \{Y: p_j(Y) = p_j \text{ and } p_j \in [d_j, 1]\}$$

$$= \{Y: Y \in S(p_j) \text{ and } p_j \in [d_j, 1]\}$$

Now, ~~$p_j \neq p_j$~~

$$Y' \geq Y \text{ then } \underline{\text{sum } Z}$$

$$F_Z(Y') \geq F_Z(Y) \text{ as } F_Z \text{ is a double } f^n$$

NTS

if $Y \in S(p_i)$, $Y' \geq Y$, $S(p_i)$ implying in p_i

need to use that solution is > 0 Given $Y' \geq Y$ c is linear

$$Y_i' = F_Z^{-1}(p_i')$$

$$Z_j = Y_j' - c Y_i' \quad j \neq i$$

and $\underline{Z_i = 0}$ (due to cancellation)

$$Y_i' = F_Z^{-1}(p_i') \quad p_i' = F_Z(Y)(Y_i')$$