

$$\Rightarrow M_{A1} = \frac{U_1}{U_{A1}} = \sqrt{\frac{U^2}{G^2}} = \sqrt{\frac{2\times (2-Y)X + (\beta_1+1)Y}{(Y+1)\beta_1 - (Y-1)\beta_1 X}} = \sqrt{\frac{(2-Y)X + (\beta_1+1)Y}{(Y+1)\beta_1 - (Y-1)X}}$$

$$(v_i^2 - \chi v_{Ai})^{\frac{1}{2}} \{ \chi C_{si} + \frac{1}{2} v_i^2 [\chi(\gamma - i) - (\gamma + i)] \} = 0$$

$$v_1^2 = X v_{Ai} \Rightarrow M_{Ai} = \frac{v_i}{v_{Ai}} = JX$$

$$\Rightarrow M_{41} = \int \frac{Y\beta_1 \times}{Y+1-(Y-1)X}$$