and we can see that a unique solution of y is obtained if the boundary condition: is given. What is left is to do the integral - often not possible in closed form - and then solve for y in terms of x, which is also not necessarily possible. dy = y=(1-p) /1-y1+p 11 (with y(0)=0. Then: $\frac{y^{-\frac{1}{2}}dy}{y^{-\frac{1}{2}}y^{+\frac{1}{2}}} = dx$ $Z = \int_{0}^{4} \frac{s^{\frac{1}{2}(p-1)}ds}{\sqrt{1-sp+1}}$ DMU = 52(p+1) wendu = \frac{1}{2}(p+1) \s \frac{1}{2}(p-1) ds x = 2 | <u>cosudu</u> = 2 u pti | <u>Ti-sin</u>²u pti $\frac{1}{2}(pt1)\chi = u \Rightarrow \sin\left(\frac{1}{2}(pt1)\chi\right) = \sin u$ $sin\left[\frac{1}{2}(pt)\chi\right] = y'_{2}(pt)$ $= y'_{2}(pt)$ $= y'_{2}(pt)$ $= y'_{2}(pt)$