$$\begin{array}{l} \text{O. (Pri)mev. } P-Si) \\ \text{O.) } S(x) = \text{avctag}\left(\frac{x}{x-\Lambda}\right) : P = \frac{1}{y} = 1-x \\ \text{D.S. } \mathbb{R} \circ 1\{1\} \\ \text{S'}(x) = \frac{1}{\left(\frac{x}{x-\Lambda}\right)^2 + 1} \cdot \frac{(x-\Lambda) - x}{(x-\Lambda)^2} = \frac{1}{\frac{x^2 + x^2 - 2x + 1}{(x-\Lambda)^2}} \cdot \frac{-1}{(x-\Lambda)^2} = \frac{-1}{2x^2 - 2x + 1} \\ \frac{-1}{2x^2 - 2x + 1} = -1 \\ 2x^2 - 2x + 1 = 1 \\ 2x(x-\Lambda) = 0 \\ \frac{x}{\lambda} = 0 \rightarrow S'(0) = \frac{-1}{\Lambda} = -1 \\ \frac{x}{\lambda} = 1 \neq 0. \end{array}$$

$$\begin{array}{l} \text{S'}(x) = \frac{1}{x^2 + x^2 - 2x + 1} \cdot \frac{-1}{(x-\Lambda)^2} = \frac{-1}{2x^2 - 2x + 1} \cdot \frac{-1}{(x-\Lambda)^2} = \frac{-1}{2x$$

5 (x0) = 5 (0) = avely 0 = 0

$$A - 2(x^{\circ}) = 2(x^{\circ}) \cdot (x - x^{\circ})$$

$$A - 0 = -1 \cdot x$$

$$A = -x$$

$$\frac{2^{+}(3) = 4}{2^{+}(3) = -\infty}$$

$$\frac{2^{+}(3) = 4}{2^{+}(3) = -\infty}$$