$$V = V_{x} + (V_{y} + S(x))^{2}$$

$$U_{y} = f'(x)U_{x} \qquad \int_{0}^{1} \int_{0}^{1} \frac{dx}{V_{x}(x)}$$

$$U_{y} = \int_{0}^{1} \frac{dx}{V_{x}(x)}$$

$$V_{x} = \int_{0}^{1} \frac{dx}{V_{x}(x)}$$

y=f'(x)

$$V = V_{x} + (gV_{x} + S)$$

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$$V_{x} = \frac{gS \pm Vg^{2}S^{2} - (g^{2}S^{2} - g^{2}V^{2} + S)}{(g^{2}S^{2} - g^{2}V^{2} + S)}$$

$$V_{x} = \frac{gS \pm Vg^{2}S^{2} - (g^{2}S^{2} - g^{2}V^{2} + S)}{(g^{2}S^{2} - g^{2}V^{2} + S)}$$

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(+9) Vx +(295) Vx +(5-1)=0

$$V_{x} = \frac{-9S + \sqrt{9^{2}v^{2} - S^{2} + v^{2}}}{(9^{2} + 7)}$$