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$$\int \frac{\sqrt{x}}{1+x} dx$$
; Vtilizar C.V.

$$C.V: x=t^{2} \Rightarrow dx = ztdt$$

$$\int \frac{\sqrt{x}}{n \cdot x} dx = \int \frac{\sqrt{t^{2}}}{n \cdot t^{2}} \cdot ztdt = 1$$

$$= \int \frac{zt^2}{1+t^2} dt = z \int \frac{t^2}{t^2+1} dt = \mathcal{E}$$

$$\frac{t^2+1}{0-1}$$
  $\Rightarrow 2\sqrt{(1+\frac{-1}{t^2+1})} dt =$ 

$$x=t^2 \Rightarrow t= \sqrt{x} = 2(\sqrt{x} - \operatorname{archy} \sqrt{x}) + c$$