$$T = \int \frac{1}{(t^{2}+u)^{2}} dt = \frac{1}{8(t^{2}+u)} + \frac{1}{8} \int_{t^{2}+u}^{1} dt = \frac{1}{8(t^{2}+u)} + \frac{1}{8} \int_{t^{2}+u}^{1} dt = \frac{1}{8(t^{2}+u)} + \frac{1}{16} \int_{t^{2}+u}^{1} dt = \frac{1}{8(t^{2}+u)} + \frac{1}{8(t^$$

$$A = \frac{3 \operatorname{arcty} \frac{1}{5}}{16} = \frac{5 v}{8(v^2 + u)} = \frac{5 \operatorname{sinu}}{8(\operatorname{sin^2 u + u})} = \frac{3 \operatorname{arcty} \left(\operatorname{sin^2 u + u}\right)}{8(\operatorname{sin^2 u + u})} = \frac{16}{8(\operatorname{sin^2 u + u})} = \frac{16}{8(\operatorname{sin$$

$$= \int f(x) = 3 \operatorname{derctg}\left(\frac{2\sqrt{x^2+5}}{x}\right) + \frac{x\sqrt{x^2+5}}{8(x^2+4)}$$