$$\int \frac{1+\sqrt{x+1}}{1-\sqrt{x+1}} dx = \int \frac{1+\sqrt{x+1}}{4x} = \frac{1+\sqrt{x+1}}{2} = \frac{1+\sqrt{$$

$$= \int \frac{1+t}{1-t} \cdot 2t \, dt = 2 \int \frac{t^2+t}{1-t} \, dt = Poj \, div.$$

$$\frac{-t-2}{+^{2}++}$$

$$\frac{2+}{-(-2+2+)}$$

$$2\int -(t+2) + \frac{2}{1-t} dt = 2\left(-\frac{t^{2}}{2} - 2t + 2\ln|1-t| + C\right) = 2 \cdot C$$

$$= -t^{2} - 4t + 4\ln|1-t| + D = -(\sqrt{x+1'})^{2} - 4\sqrt{x+1} + 4\ln|1-\sqrt{x+1}| + D =$$

$$= -x - 1 - 4\sqrt{x+1'} + 4\ln|1-\sqrt{x+1}| + D = -x - 4\sqrt{x+1'} - 4\ln|\sqrt{x+1'} - 1| + B$$

$$= -x - 1 - 4\sqrt{x+1'} + 4\ln|1-\sqrt{x+1}| + D = -x - 4\sqrt{x+1'} - 4\ln|\sqrt{x+1'} - 1| + B$$

$$= -x - 1 - 4\sqrt{x+1'} + 4\ln|1-\sqrt{x+1'}| + D = -x - 4\sqrt{x+1'} - 4\ln|\sqrt{x+1'} - 1| + B$$