$$LCD: S$$

Solve for S.

$$P \cdot S = \frac{1 \cdot S}{1} - \frac{C}{S} \cdot \frac{S}{1}$$

$$PS = S - C$$
$$-S \quad -S$$

$$PS - S = -C$$

$$\frac{S(P-1)}{(P-1)} = \frac{-C}{(P-1)}$$

$$S = \frac{-C}{P-1}$$