

$$\begin{array}{r}
 x^2 + 2x \\
 \hline
 x-1) + x^2 - 1 \\
 \underline{- x^3 + x^2} \\
 2x^2 \\
 \underline{- 2x^2 + 2x} \\
 2x - 1
 \end{array}$$