

$$\begin{array}{r} (x^2 - 4x + 5) : (x^2 - 2x + 1) = 1 + \frac{-2x + 4}{x^2 - 2x + 1} \\ \hline -x^2 + 2x - 1 \end{array}$$

$$\boxed{-2x + 4} \leftarrow \text{Rest}$$