

$$11. \quad \frac{\frac{a+b}{a-b} - \frac{a-b}{a+b}}{1 - \frac{a^2+b^2}{a^2-b^2}} \cdot \frac{2 - \frac{1+b^2}{b}}{\frac{1}{b^2} - \frac{2}{b} + 1} =$$

$$= \frac{\frac{(a+b)^2 - (a-b)^2}{(a-b)(a+b)}}{\frac{a^2-b^2 - (a^2+b^2)}{a^2-b^2}} \cdot \frac{2b - 1 - b^2}{b} =$$

$$\frac{a^2-b^2 - (a^2+b^2)}{a^2-b^2} \cdot \frac{1-2b+b^2}{b^2}$$

$$= \left( \frac{a^2+2ab+b^2 - (a^2-2ab+b^2)}{(a-b)(a+b)} \cdot \frac{a^2-b^2 - a^2-b^2}{(a-b)(a+b)} \right) \cdot \left( \frac{-b^2+2b-1}{b} \cdot \frac{b^2-2b+1}{b^2} \right) =$$

$$= \left( \frac{a^2+2ab+b^2 - a^2+2ab-b^2}{(a-b)(a+b)} \cdot \frac{(a-b)(a+b)}{-2b^2} \right) \cdot \left( \frac{-b^2+2b-1}{b} \cdot \frac{b^2}{b^2-2b+1} \right) =$$

$$= \frac{2ab}{-2b^2} \cdot \frac{b(-b^2+2b-1)}{b^2-2b+1} = \frac{2a(-b^2+2b-1)}{-b^2+2b-1} = 2a$$

~~2a~~

$$a \neq \pm b$$

$$b \neq 0$$

$$b \neq 1$$