

$$f(a,b) = 2 \cdot (a * b)$$

$$\begin{array}{c} Z \times Z \\ \left( \begin{array}{c} \downarrow \pi_1 \\ \downarrow \pi_2 \end{array} \right) \pi_2 \\ Z \end{array} \xrightarrow{\text{blue}} 2 \cdot$$

$$g(a,b) = 2 \cdot (a/b)$$

$$\begin{array}{c} Z \times Z \\ \left( \begin{array}{c} \downarrow \pi_1 \\ \downarrow \pi_2 \end{array} \right) \pi_2 \\ D \end{array} \xrightarrow{\text{blue}} R \oplus \mathbf{Error} \xrightarrow{\text{blue}} 2 \times$$

Action of  $T_x, T_1$  on polynomials.

