$$\begin{cases} \rho_{\text{const}}(x) = \frac{1}{2} \\ \rho_{\text{const}}(x) = \frac{1}{2}$$

 $\begin{aligned} & \text{prod} & & \text{gray} \\ & & \text{g}\left(\underline{\mathbf{a}}\right) = & \text{p}\left(\underline{\mathbf{a}}\right) \in \\ & \text{g}\left(\underline{\mathbf{a}}\right) = & \text{p}\left(\underline{\mathbf{a}}\right) \in \\ & \text{prod} & & \text{prod} \end{aligned} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\ & \text{prod} \\ & \text{prod} \\ & \text{prod} \end{array} \quad \begin{array}{c} & \text{prod} \\ & \text{prod} \\$