

$$\begin{array}{c}
 (1+x)^1 \\
 \downarrow 1+x \\
 (1+x)^2
 \end{array}$$

$$\begin{array}{ccccc}
 & 1 & + & x & \\
 & \swarrow 1 & & \searrow x & \\
 & 1 & + & 2x & + & x^2
 \end{array}$$

$$\begin{array}{c}
 p_1 \\
 \downarrow 1+x \\
 p_2
 \end{array}$$