

$$\begin{array}{ccc}
X^n \oplus X^{n-1} & \xrightarrow{f^n \circ (1,d)} & M^n \\
\left(\begin{smallmatrix} 0 & 0 \\ 1 & 0 \end{smallmatrix}\right) \downarrow & & \downarrow d \\
X^{n+1} \oplus X^n & \xrightarrow{f^{n+1} \circ (1,d)} & M^{n+1}
\end{array}$$

$$\begin{array}{ccc}
X^n & \xrightarrow{f^n} & M^n \\
\\
X^{n+1} & \xrightarrow{f^{n+1}} & M^{n+1}
\end{array}$$

$$F(X) \longrightarrow (M, d)$$

$$X \longrightarrow U(M, d)$$