

$$\begin{array}{ccccc}
X^n \oplus X^{n-1} & \xrightarrow{\begin{pmatrix} 0 & 0 \\ 1 & 0 \end{pmatrix}} & X^{n+1} \oplus X^n & & \\
\downarrow f^n \circ (1,d) & & \downarrow f^{n+1} \circ (1,d) & & \\
M^n & \xrightarrow{d} & M^{n+1} & & \\
\end{array}
\qquad
\begin{array}{ccc}
F(X) & & X \\
\downarrow & \xleftrightarrow{1:1} & \downarrow \\
(M,d) & & U(M,d)
\end{array}
\qquad
\begin{array}{cc}
X^n & X^{n+1} \\
\downarrow f^n & \downarrow f^{n+1} \\
M^n & M^{n+1}
\end{array}$$