

$$\begin{array}{ccccc}
\Sigma Y & \xrightarrow{-d} & \Sigma^2 Y & & -d \\
\oplus & & \oplus & & \\
\Sigma X & \xrightarrow{-d} & \Sigma^2 X & & 0 \quad -d \\
\oplus & & \oplus & & \\
Y & \xrightarrow{d} & \Sigma Y & & 1 \quad f \quad d
\end{array}$$

A commutative diagram with three rows of objects and arrows. The objects are arranged in a grid:
 

- Row 1:  $\Sigma Y$  and  $\Sigma^2 Y$
- Row 2:  $\oplus$  and  $\oplus$
- Row 3:  $\Sigma X$  and  $\Sigma^2 X$
- Row 4:  $\oplus$  and  $\oplus$
- Row 5:  $Y$  and  $\Sigma Y$

 Horizontal arrows:
 

- $\Sigma Y \xrightarrow{-d} \Sigma^2 Y$
- $\Sigma X \xrightarrow{-d} \Sigma^2 X$
- $Y \xrightarrow{d} \Sigma Y$

 Diagonal arrows:
 

- A double arrow from  $\Sigma Y$  to  $\Sigma Y$  (bottom right).
- A single arrow from  $\Sigma X$  to  $\Sigma Y$  (bottom right), labeled  $\Sigma f$ .

 To the right of the diagram, there are three rows of labels corresponding to the rows of objects:
 

- Row 1:  $-d$
- Row 3:  $0 \quad -d$
- Row 5:  $1 \quad f \quad d$