$$\begin{array}{ccccc}
(E_k)^{p-1} & \dashrightarrow & Q^{p-1} & \dashleftarrow & E^{p-1} \\
\downarrow & & \vdots & & \downarrow{\scriptstyle d_E^{p-1}} \\
(E_k)^p & \longleftarrow & \ker(d_{E_k}^p) & \hookrightarrow Z^p(E) =\!=\!= B^p(E)
\end{array}$$