\[ \begin{align*} 
\text{so} \quad & \quad \begin{array}{c} 
\text{is spanned by} \\
\text{on the} \ + \ \text{strand there need not be} \\
\text{any outgoing arrows. [if there are,} \\
\text{the whole arrow diagram vanishes].} 
\end{array} \\
\text{Incoming arrows may be} \\
\text{eliminated from the} \ - \ \text{strand,} \\
\text{but they are not generally} \ 0. 
\end{align*} \]

Question: What's the condition on an arrow diagram on \( \begin{array}{c} 
\end{array} \) for its image in \( \begin{array}{c} 
\end{array} \) and \( \begin{array}{c} 
\end{array} \) will vanish?