

$$\begin{array}{ccc}
\mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0q \\ \blacktriangleleft \end{array} & \xrightarrow{=} & \frac{\bar{\partial}\eta = \frac{\partial\eta}{\partial\bar{z}^j} d\bar{z}^j}{\eta \in \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}} \\
\downarrow \iota & & \\
\mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0q \\ \blacktriangleleft \end{array} & \xrightarrow{=} & \frac{\eta = d\bar{z}^j \eta}{\bar{\partial}\eta = 0: \frac{\partial_i \eta}{\partial\bar{z}^j} = \frac{\partial_j \eta}{\partial\bar{z}^i}} \\
\downarrow j & & \\
\mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0q \\ \blacktriangleleft \end{array} & \xrightarrow{=} & \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0q \\ \blacktriangleleft \end{array} \cap \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0q \\ \blacktriangleleft \end{array} \\
0 \xleftarrow{\bar{\partial}^{0d}} \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0q \\ \blacktriangleleft \end{array} \xleftarrow{\bar{\partial}^{d-1}} \dots \xleftarrow{\bar{\partial}^0} \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 00 \\ \blacktriangleleft \end{array} \xleftarrow{\iota} \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C} \leftarrow 0 \text{ exact}
\end{array}$$

$$\begin{array}{ccccc}
\mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0d \\ \blacktriangleleft \end{array} & \xleftarrow{\bar{\partial}^{0q}} & \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0q \\ \blacktriangleleft \end{array} & \xleftarrow{\bar{\partial}^{00}} & \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 00 \\ \blacktriangleleft \end{array} \\
\downarrow \bar{\partial}^{0d} & & & & \downarrow \iota \\
0 & & 0 & \xrightarrow{\quad} & \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}
\end{array}$$

$$\Rightarrow \bigwedge_{q>0} \mathbb{C}_{\leq r'}^n \begin{array}{l} \blacktriangleright \\ \blacktriangleleft \end{array} \mathbb{C}_{\leq r'}^n \begin{array}{l} 0q \\ \blacktriangleleft \end{array} = 0$$

$$\mathbb{C}_r^n \xrightarrow{\infty} \mathbb{C}_r^n \xrightarrow{0q} \mathbb{C} = \mathbb{C}_r^n \xrightarrow{\varphi} \mathbb{C}$$