$$\begin{array}{c}
A \longrightarrow W \xrightarrow{B} \mathcal{Z} \\
\downarrow \{w_i\} & \downarrow \{z_i\} \\
M \longrightarrow \mathbb{C}^m \xrightarrow{N} \mathbb{C}^d
\end{array}$$

 $\{v_i\}$