$$oldsymbol{V} \in \mathbb{R}^{n imes m}_{\geq} \qquad oldsymbol{W} \in \mathbb{R}^{n imes k}_{\geq} \qquad oldsymbol{H} \in \mathbb{R}^{k imes m}_{\geq} \ oldsymbol{X} \qquad oldsymbol{W} \in \mathbb{R}^{n imes k}_{\geq} \qquad oldsymbol{W} \in \mathbb{R}^{n imes k}_{\geq} \qquad oldsymbol{W} \qquad oldsymbol{W} \qquad oldsymbol{W} \in \mathbb{R}^{n imes k}_{\geq} \qquad oldsymbol{W} \qquad oldsy$$