$$\mathbf{M_{gvn}}$$
: $\mathbf{y}^{(+)}$ = $\mathbf{K_1}$ $\mathbf{y}_1^{(-)}$ + \cdots + $\mathbf{K_{l_k}}$ $\mathbf{y}_{l_k}^{(-)}$

$$\mathbf{M}^{(\mathbf{j})}_{\mathbf{prp}}$$
 : $\mathbf{y}^{(+)} = \mathbf{ ilde{K}}_1$ $\mathbf{ ilde{y}}^{(-)}_1 + \cdots + \mathbf{ ilde{K}}_{l_k}$ $\mathbf{ ilde{y}}^{(-)}_{l_k}$

Find: $\operatorname{argmax}_{j} I\left(\mathbf{y}^{(+)}, \mathbf{M}_{\mathbf{prp}}^{(\mathbf{j})} \middle| \mathbf{M}_{\mathbf{gvn}}\right)$