

OPLoRA

$$W = U \times \Sigma \times V^T$$

$$\Delta W = P_L B A P_R$$

$$\left(\begin{matrix} I & - U_k \times U_k^T \end{matrix} \right) \quad \text{BURNING} \quad \left(\begin{matrix} I & - V_k \times V_k^T \end{matrix} \right)$$