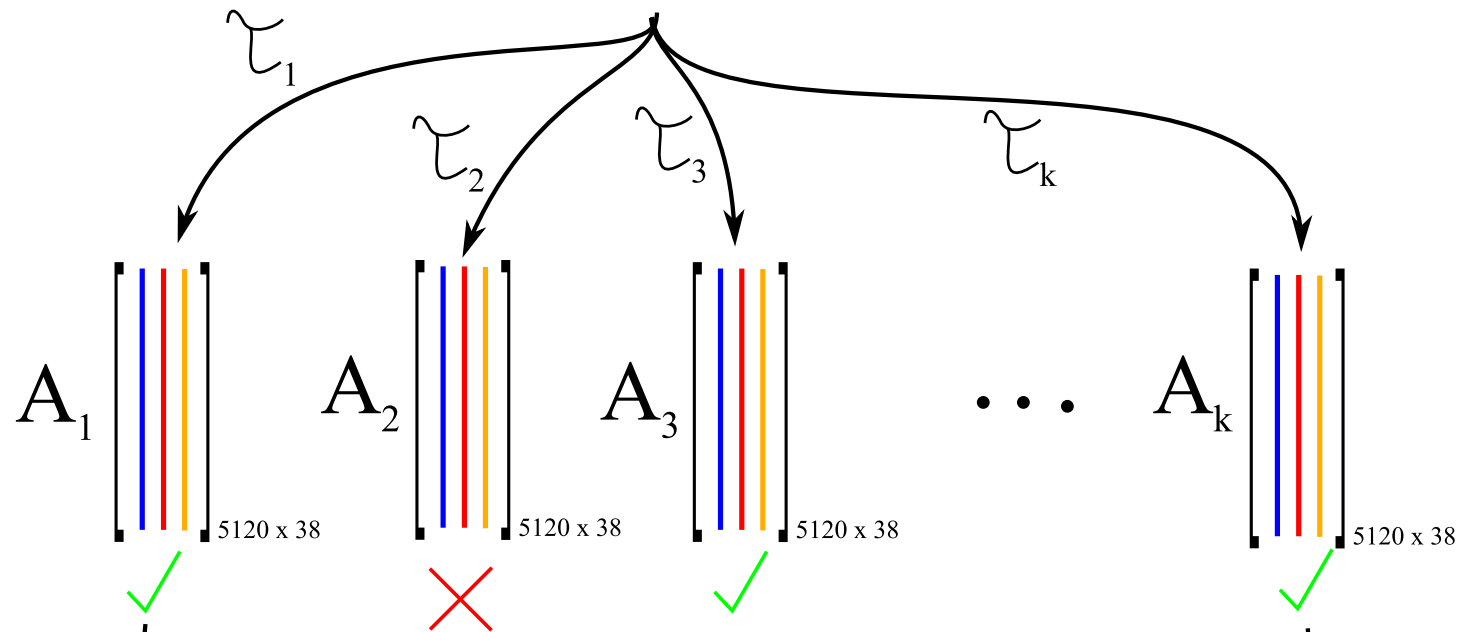


Step 1:
Per-User
Alignment



$$\mathbf{A} = [\tau_1^{-1}(\mathbf{A}_1) \quad \tau_3^{-1}(\mathbf{A}_3) \quad \tau_4^{-1}(\mathbf{A}_4) \quad \dots \quad \tau_k^{-1}(\mathbf{A}_k)]$$

Step 2:
Recognition