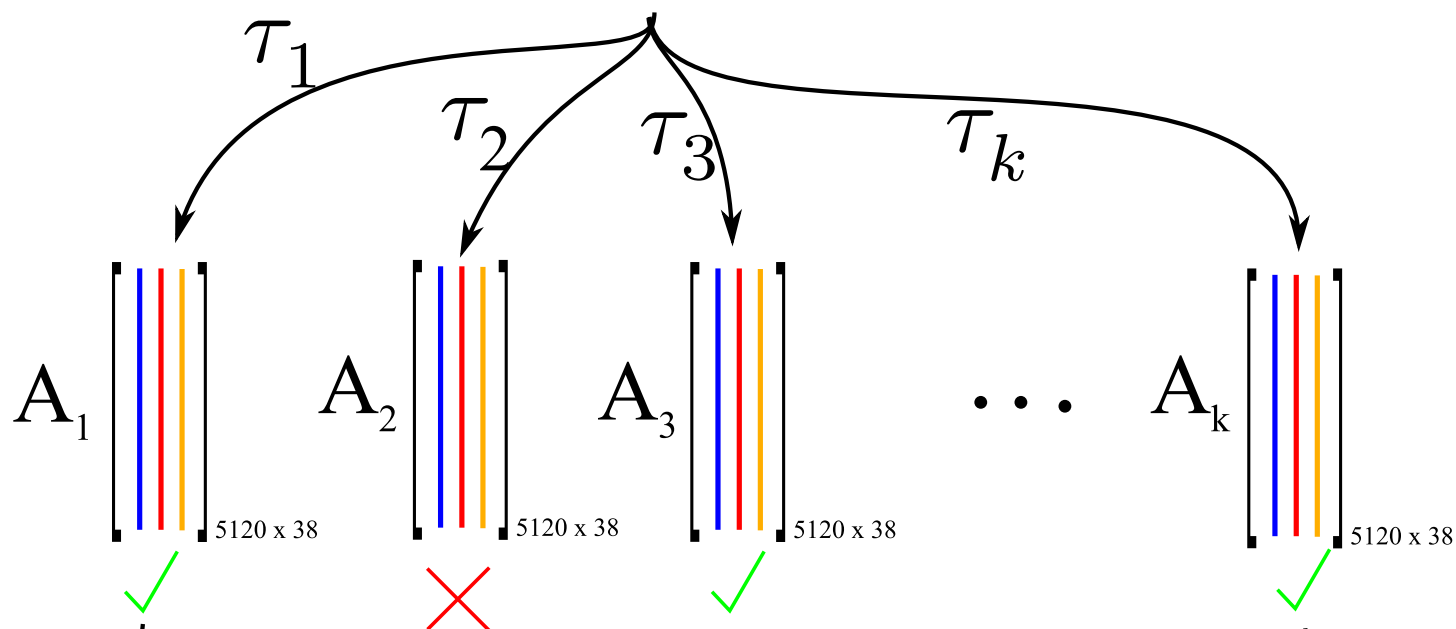




Step 1:
Per-User
Alignment



$$A = [\tau_1^{-1} A_1 \mid \tau_3^{-1} A_3 \mid \tau_4^{-1} A_4 \mid \dots \mid \tau_k^{-1} A_k]$$

Step 2:

Recognition $\min \|\mathbf{x}\|_1 + \|\mathbf{e}\|_1 \quad \text{subj} \quad \mathbf{y} = A\mathbf{x} + \mathbf{e}$