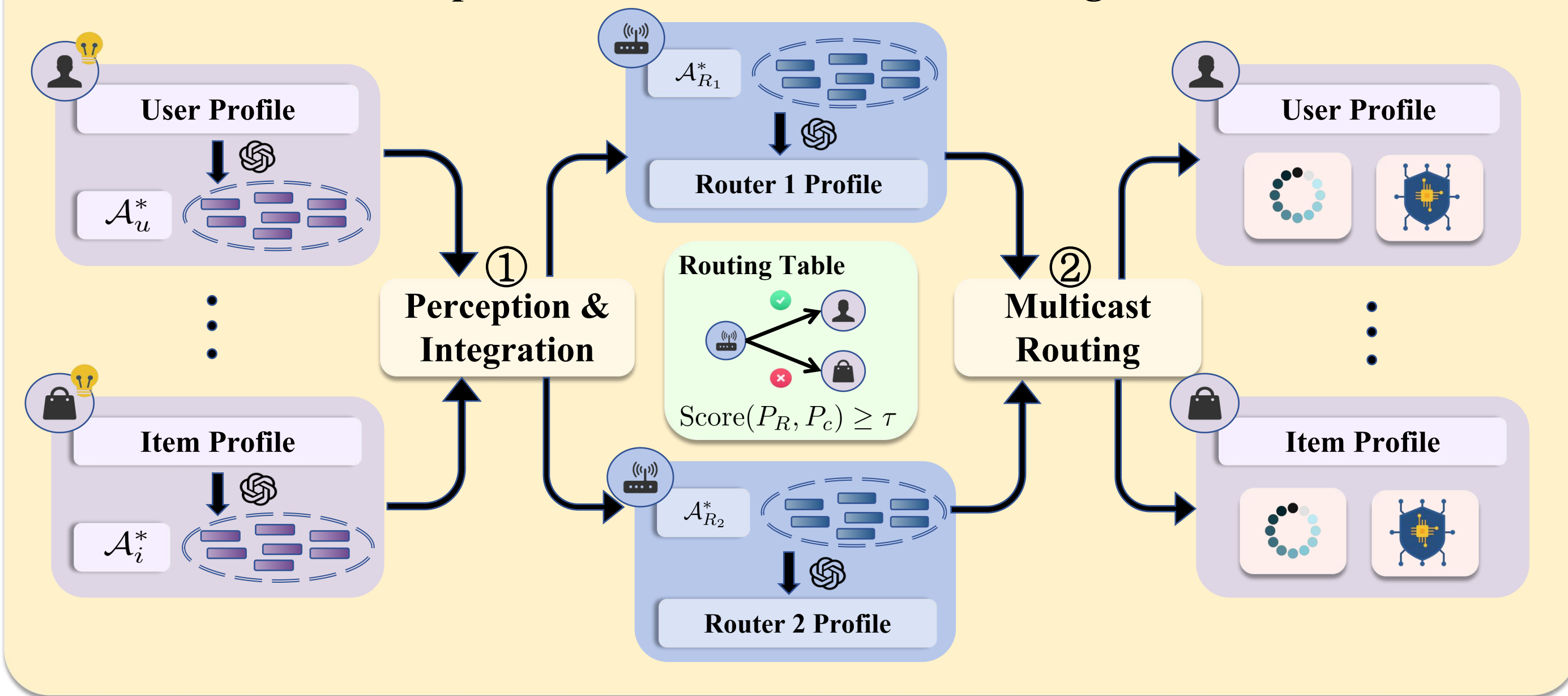
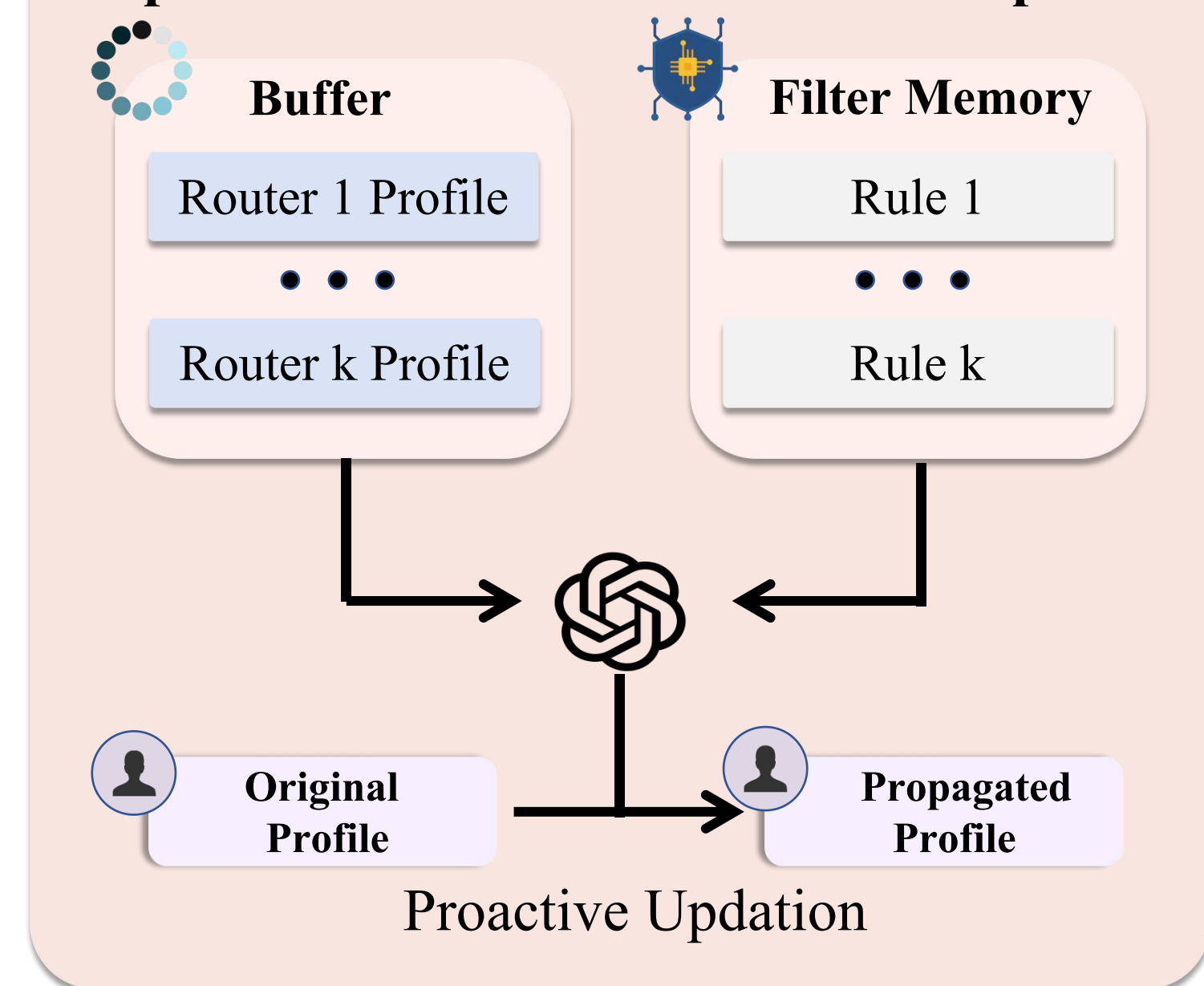


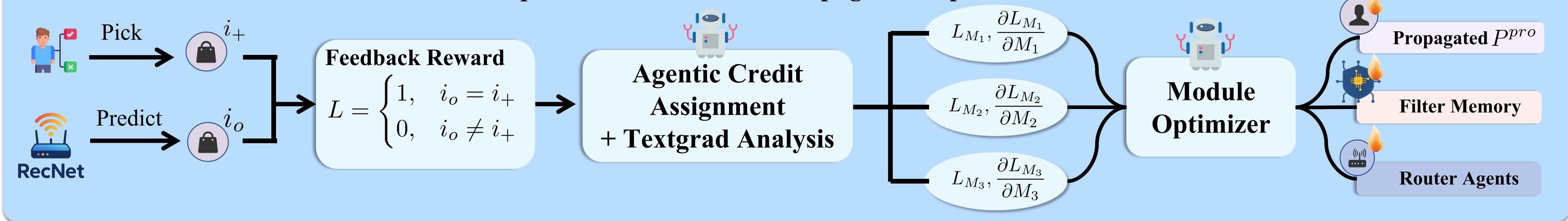
## Step 1: Centralized Preference Routing



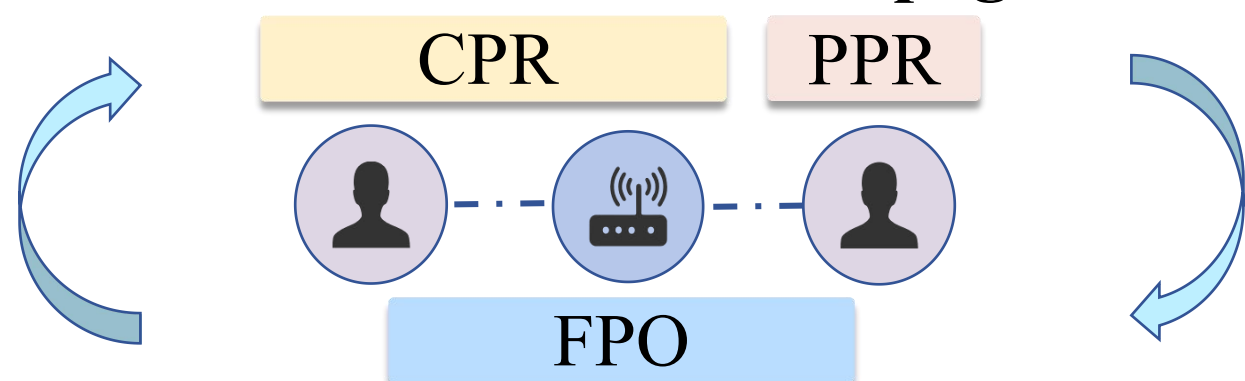
## Step 2: Personalized Preference Reception



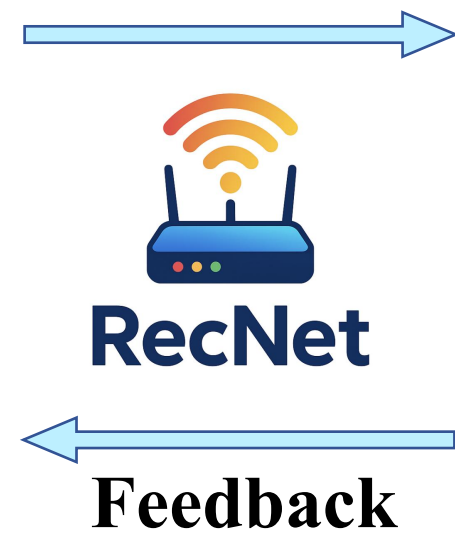
## Step 3: Feedback-Driven Propagation Optimization



### Forward Preference Propagation



### Inference



### Recommended Items Prediction

