

SOLUTION

> RANKING

RANKING LOGIC ₁

We know:

∀ Actively listed PID:

- ▶ ∃ a list of similar PIDs with $P(\text{Similar PIDs} \mid \text{PDP's PID})$

∀ Login member MID:

- ▶ ∃ a list of Preference with $P(\text{User Prefs} \mid \text{Login MID})$

Given a PDP with login Member (PID^* , MID), we have:

$P(\text{Similar PIDs} \mid \text{PID}^*), P(\text{User Prefs} \mid \text{MID})$.