📋 Blackboard 1

*Meeting Coordination for M001 (ZOOM), M002 (PHYSICAL@Hasbrouck)
*Attendees: Charlie, Alice (Organizer)

[Event #1][22:43:12] [Planning] Alice : Hello Charlie, I am Alice. I am scheduling two meetings (M001 - Zoom and M002 - Physical at Hasbrouck) and would like to coordinate on time preferences to ensure you can attend both comfortably. I prefer time slots 2 (9:00), 3 (10:00), 5 (12:00), and 6 (13:00).
Could you please share your preferred time slots for these meetings? Thank you!

[Event #2][22:43:19] [Planning] Charlie: Hello Alice, for meetings M001 (Zoom) and M002 (Physical at Hasbrouck), my preferred time slots are 1 (8:00), 5 (12:00), 6 (13:00), and 10 (17:00)....
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[Event #5] [18:32:45] [Planning] Alice: Hello Charlie,... Since M002 is a physical meeting at Hasbrouck and M001 is Zoom, we should consider travel time if the meetings are scheduled back-to-back. I suggest considering scheduling M001 at time slot 3 (10:00) and M002 at 5 (12:00) or 6 (13:00), which fit both our preferences and provide some buffer between meetings if needed...

📋 Blackboard 2

*Meeting Coordination for M003 (PHYSICAL@Morrill)
*Attendees: Charlie, Bob (Organizer)

[Event #1] [22:43:06] [Planning] Bob: Hello Charlie, for our meeting M003 which will be physical in the Morrill building, could you please share your preferred time slots? I prefer slots 1 (8:00), 2 (9:00), 7 (14:00), and 10 (17:00).

[Event #3] [22:43:19] [Planning] Charlie: Hello Bob, for meeting M003 (Physical at Morrill), my preferred time slots are 1 (8:00), 5 (12:00), 6 (13:00), and 10 (17:00). Please consider these preferences when scheduling. Thank you!
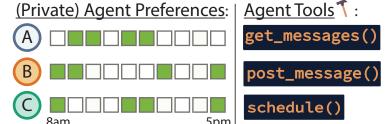:

[Event #6] [22:43:53] Bob: Hello Charlie, to coordinate meeting M003 at Morrill, I wanted to confirm your preferred time slots..... It seems slots 1 and 10 overlap for us both. Do you have any preferences or constraints to finalize one of these?
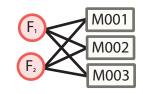
[Event #8] [22:44:10] [Planning] Charlie: Bob, I confirm my preferred time slots for meeting M003 at .... Considering your preference for 1 and 10, I have no strong preference between these two but 1 (8:00) might better ease the day's scheduling for me.
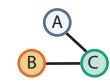
Environment: MeetingScheduling 📅
Agents: Alice, Bob, Charlie
Joint Objective: Assign meeting slots such that agents are feasibly able to attend their meetings (F_1) and slots match agents' preferred slots (F_2).

(Private) Agent Preferences:

A
B
C
8am   5pm

Agent Tools 🔨 :

`get_messages()`

`post_message()`

`schedule()`

Factor Graph

F_1 — M001
F_2 — M002
     — M003

Coordination Graph

A
B   C

Actions Executed

A M001 ☐☐☒☐☐☐☐☐☐☐
A M002 ☐☐☐☐☐☒☐☐☐☐
B M003 ☒☐☐☐☐☐☐☐☐☐
8am   5pm