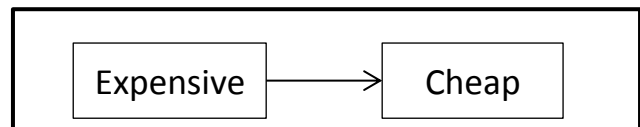
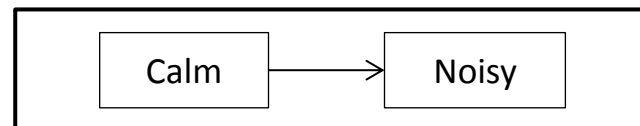
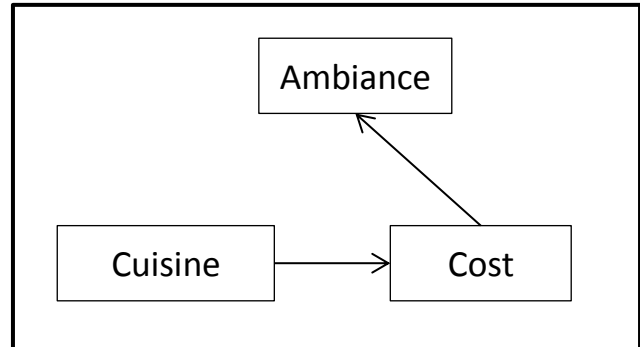
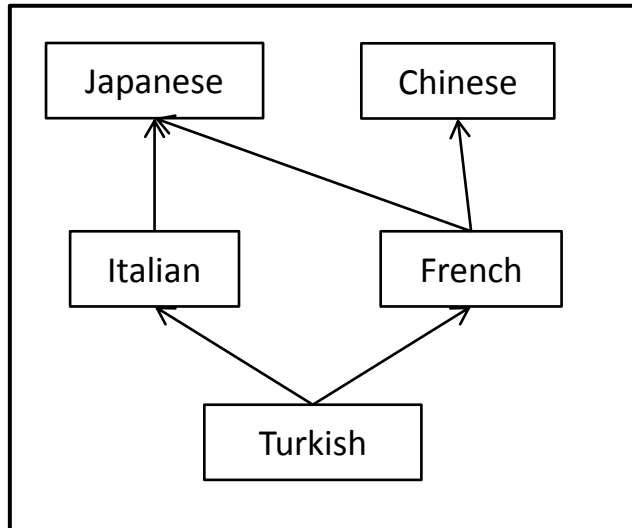
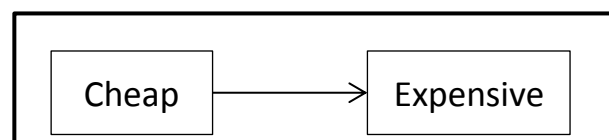
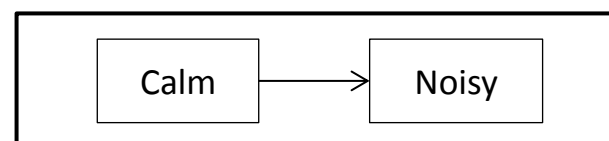
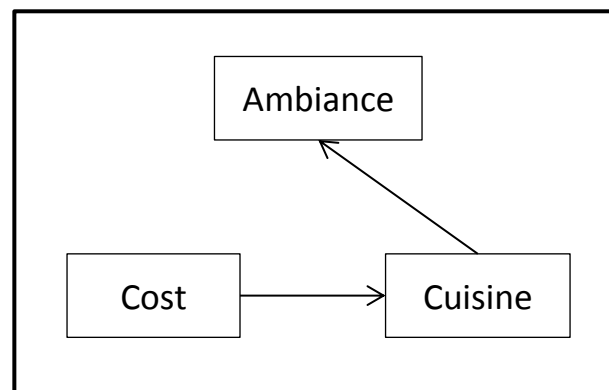
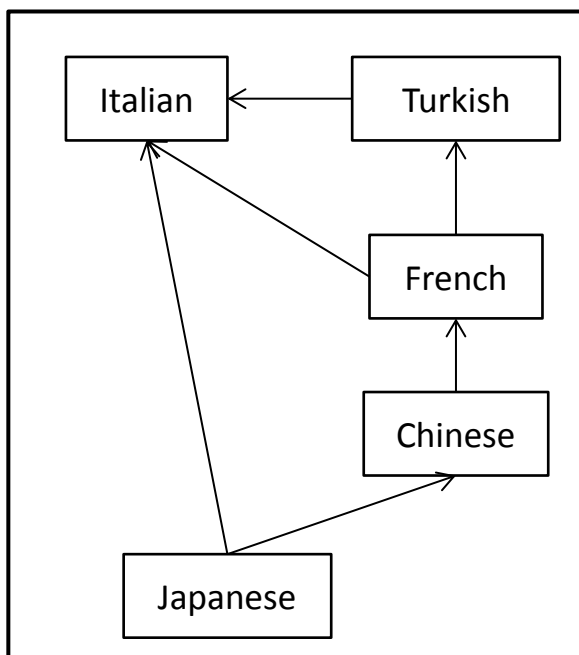


# Preferences models

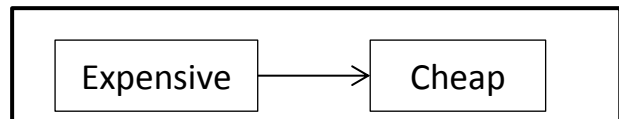
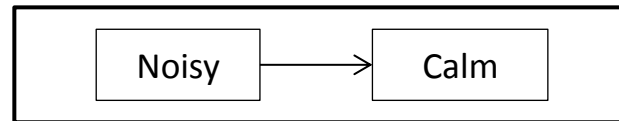
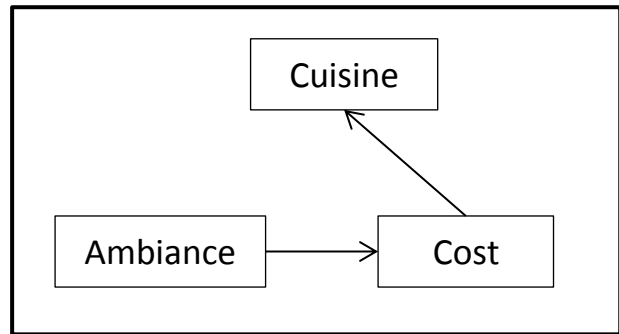
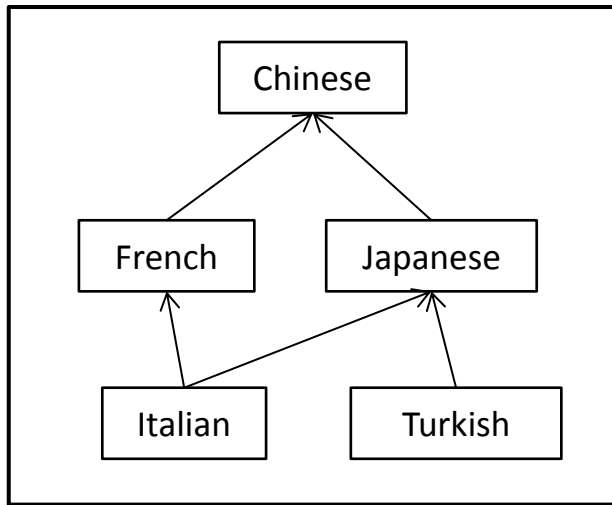
S2



D\_A



D1 = S1



## Restaurants in negotiation:

Restaurant name	Cuisine	Cost	Ambiance
Le parisien	French	Expensive	Calm
Le Gramophone	French	Expensive	Noisy
Victor	French	Cheap	Calm
Beaurepaire	French	Cheap	Noisy
Magoroko	Japanese	Expensive	Noisy
Tokyo	Japanese	Expensive	Calm
Samura	Japanese	Cheap	Noisy
Mizushi	Japanese	Cheap	Calm
Papelli	Italian	Cheap	Noisy
Salento	Italian	Expensive	Noisy
Al bacio	Italian	Cheap	Calm
Ciasa mia	Italian	Cheap	Calm
Dragon	Chinese	Cheap	Noisy
Ying	Chinese	Expensive	Noisy
Yong	Chinese	Expensive	Calm
Jiliya	Chinese	Cheap	Calm
Cappadoce	Turkish	Cheap	Noisy
Sizin	Turkish	Expensive	Calm
Barak	Turkish	Cheap	Calm
Le janissaire	Turkish	Expensive	Noisy

# Dialogues

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## Agent 1: Dominant / Agent 2: Submissive:

- Different preferences (D\_A / D1):

### 1. Agent 1 with D\_A /Agent 2 with D1:

Agent1 says "I propose that we choose NOISY Ambiance."

Agent2 says "NOISY is my least preferred Ambiance."

Agent1 says "I propose that we choose LE\_GRAMOPHONE Restaurant."

Agent2 says "I like CALM over NOISY."

Agent1 says "I propose that we choose PAPELLI Restaurant."

Agent2 says "I like CALM over NOISY."

Agent1 says "I propose that we choose SALENTO Restaurant."

Agent2 says "I like CALM over NOISY."

Agent1 says "I propose that we choose CAPPADOCE Restaurant."

Agent2 says "I like CALM over NOISY."

Agent1 says "I propose that we choose LEJANISSAIRE Restaurant."

Agent2 says "I like CALM over NOISY."

Agent1 says "Sorry, but I no longer want to go for dinner!!"

Agent2 says "Ok."

## **2. Agent 1 with D1 /Agent 2 with D\_A:**

Agent1 says "I propose that we choose CHINESE Cuisine."

Agent2 says "I like ITALIAN over CHINESE."

Agent1 says "I propose that we choose SAMURA Restaurant."

Agent2 says "CHEAP is my least preferred Cost."

Agent1 says "I propose that we choose YING Restaurant."

Agent2 says "Okay, I'll call to book a table."

Agent1 says "Ok."

- **Similar preferences (S1/S2)**

## **3. Agent 1 with S1 /Agent 2 with S2:**

Agent1 says "I propose that we choose CHINESE Cuisine."

Agent2 says "Okay, let's choose CHINESE."

Agent1 says "I propose that we choose DRAGON Restaurant."

Agent2 says "NOISY is my least preferred Ambiance."

Agent1 says "I propose that we choose CALM Ambiance."

Agent2 says "Okay, let's choose CALM."

Agent1 says "I propose that we choose JILIYA Restaurant."

Agent2 says "Okay, I'll call to book a table."

## **4. Agent 1 with S2 /Agent 2 with S1:**

Agent1 says "What kind of Ambiance do you like?"

Agent2 says "CALM is my favorite Ambiance."

Agent1 says "I propose that we choose CALM Ambiance."

Agent2 says "Okay, let's choose CALM."

Agent1 says "I propose that we choose VICTOR Restaurant."

Agent2 says "Okay, I'll call to book a table."

## Agent 1: Peer / Agent 2: Peer

- Different preferences (D\_A / D1):

### 5. Agent 1 with D\_A /Agent 2 with D1:

Agent1 says "What kind of Ambiance do you like?"

Agent2 says "CALM is my favorite Ambiance."

Agent1 says "CALM is my least preferred Ambiance."

Agent2 says "I propose that we choose BEAUREPAIRE Restaurant."

Agent1 says "Okay, I'll call to book a table."

Agent2 says "Ok."

### 6. Agent 1 with D1 /Agent 2 with D\_A:

Agent1 says "What kind of Cuisine do you like?"

Agent2 says "ITALIAN is my favorite Cuisine."

Agent1 says "ITALIAN is my least preferred Cuisine."

Agent2 says "I propose that we choose TURKISH Cuisine."

Agent1 says "Sorry, I'd rather choose something else."

Agent2 says "I like ITALIAN over JAPANESE."

Agent1 says "I like JAPANESE over ITALIAN."

Agent2 says "I propose that we choose FRENCH Cuisine."

Agent1 says "Okay, let's choose FRENCH."

Agent2 says "I propose that we choose LE\_GRAMOPHONE Restaurant."

Agent1 says "Sorry, I'd rather choose something else."

Agent2 says "Sorry, but I no longer want to go for dinner!!"

- **Similar preferences (S1/S2)**

### **7. Agent 1 with S1 /Agent 2 with S2:**

Agent1 says "What kind of Cuisine do you like?"

Agent2 says "JAPANESE is my favorite Cuisine."

Agent1 says "I propose that we choose JAPANESE Cuisine."

Agent2 says "Okay, let's choose JAPANESE."

Agent1 says "I propose that we choose SAMURA Restaurant."

Agent2 says "Sorry, I'd rather choose something else."

Agent1 says "For Ambiance, do you prefer CALM or NOISY?"

Agent2 says "CALM is my favorite Ambiance."

Agent1 says "I propose that we choose CALM Ambiance."

Agent2 says "Okay, let's choose CALM."

Agent1 says "I propose that we choose JILIYA Restaurant."

Agent2 says "Okay, I'll call to book a table."

Agent1 says "Ok."

### **8. Agent 1 with S2 /Agent 2 with S1:**

Agent1 says "What kind of Ambiance do you like?"

Agent2 says "CALM is my favorite Ambiance."

Agent1 says "I propose that we choose CALM Ambiance."

Agent2 says "Okay, let's choose CALM."

Agent1 says "I propose that we choose VICTOR Restaurant."

Agent2 says "Okay, I'll call to book a table."

Agent1 says "Ok."