Creating Agent Dialogues

Activity Guidance
Create an agent dialogue, using KQML and KIF, between two agents (named Alice and Bob).

Alice is an agent designed to procure stock and Bob is an agent that controls the stock levels for a warehouse. This dialogue should see Alice asking Bob about the available stock of 50 inch televisions, and also querying the number of HDMI slots the televisions have.

Learning Outcomes
- An understanding of the motivations for, and appropriate use of, agent-based computing.
- An understanding of the main agent models in use today and their grounding in artificial intelligence research.

Answer:
```
(ask-one
  :sender Alice
  :receiver Bob
  :content (query
              (available-stock Bob ?stock)
              (tv-specifications Bob ?tv ?slots)
              (and
                (eq ?tv size 50)
                (?tv hdmi-slots ?slots))
           )
)
```