Bridge Demo
Kim ⊨ someone, hop ⊨ move
touch - kiss
Sandy ⊨ someone, kiss ⊨ touch
know that \( X \models X \)
pretend that $X \models \neg X$
(believe X, X ⊩ Y) ⊩ believe Y
pretend to X ⊨ not X
refuse to X ⊨ not X

<table>
<thead>
<tr>
<th>Passage</th>
<th>John refused to dance.</th>
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<tr>
<th>Question</th>
<th>Did John tango with Mary?</th>
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<th>Answer</th>
<th>NO</th>
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not hesitate to X ⊢ X
have \( N_c \) to \( X \) \( \vdash \) \( X \)
not have $N_c$ to $X \models \neg X$
waste $N_0$ to $\not\vdash$ not $X$
not waste $N_o \text{ to } X \vdash X$
waste N_r to ⊩ X
not forget to force to $X \vdash X$
not wait to $X$ => ??
**buy - sell**

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**Passage**

John sold the car to Mary.

**Question**

Mary bought the car from John.

**Answer**

YES
Kim lost the race to Sandy.

Sandy won the race.

Answer: YES
### Passage
Kim lost the race to Sandy.

### Question
Sandy lost the race.

### Answer
NO
win - lose 3
marry is symmetric in one sense
John married Mary.

Choice Space:
\[ \text{xor}(A1, A2) \iff 1 \]

Conceptual Structure:
- definite(Mary:14)
- definite(John:1)
- subconcept(marry:6,[marry-1,marry-2])
- A2: role(Actor,marry:6,John:1)
- A1: role(Actor1,marry:6,John:1)
- subconcept(John:1,[male-2])
- alias(John:1,[John])
- role(cardinality_restriction,John:1,sg)
- subconcept(Mary:14,[female-2])
- alias(Mary:14,[Mary])
- role(cardinality_restriction,Mary:14,sg)

Contextual Structure:
- context(t)
- top_context(t)
- instantiable(John:1,t)
- instantiable(Mary:14,t)
- instantiable(marry:6,t)

Temporal Structure:
- temporalRel(startsAfterEndingOf,Now,marry:6)