

# Modelle der Dialoge

- Strukturierte Dialoge

- Beispiel 1

Minister: Do you *man's name*, take this woman...

Man: I do.

Minister: Do you *woman's name*, take this man...

Woman: I do.

Man: With this ring, I thee wed... (*places ring on woman's finger*)

Woman: With this ring, I thee wed... (*places ring on man's finger*)

Minister: I now pronounce you husband and wife.

- Beispiel 2

Judge: How do you plead, guilty or not guilty?

Defendant: *either Guilty or Not guilty.*

- Eigenschaften

- ▷ Reihenfolge

- ▷ vorgegebener Beitrag

- ▷ Wordersatz

- ▷ Annotation parallel zum Dialog

- ▷ Reaktionsabhängigkeit

- ▷ Bedeutung (Semantik)

- Vermerke des Dialog-Entwurfs

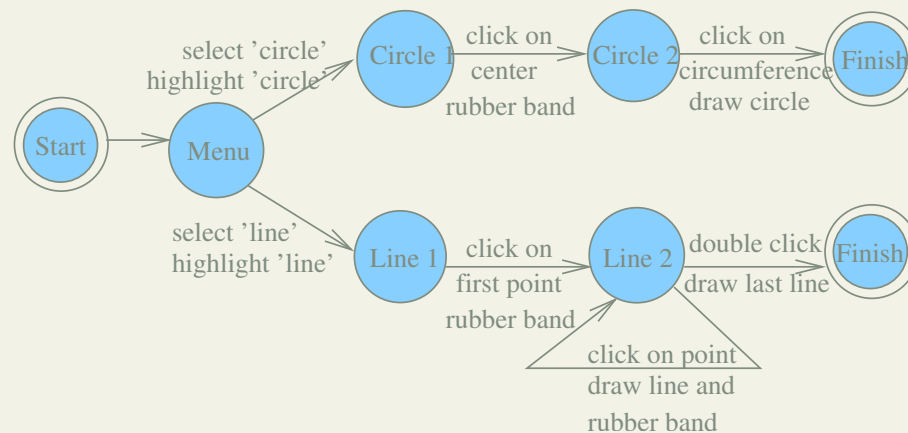
dialog\_design.txt

- einfache Analyse
- Trennung zwischen der Schnittstelle und der Berechnung
- Trennung zwischen dem Dialog- und dem Programmentwurf

## • Diagrammatische Notationen

### ○ STNs – *State Transition Networks*

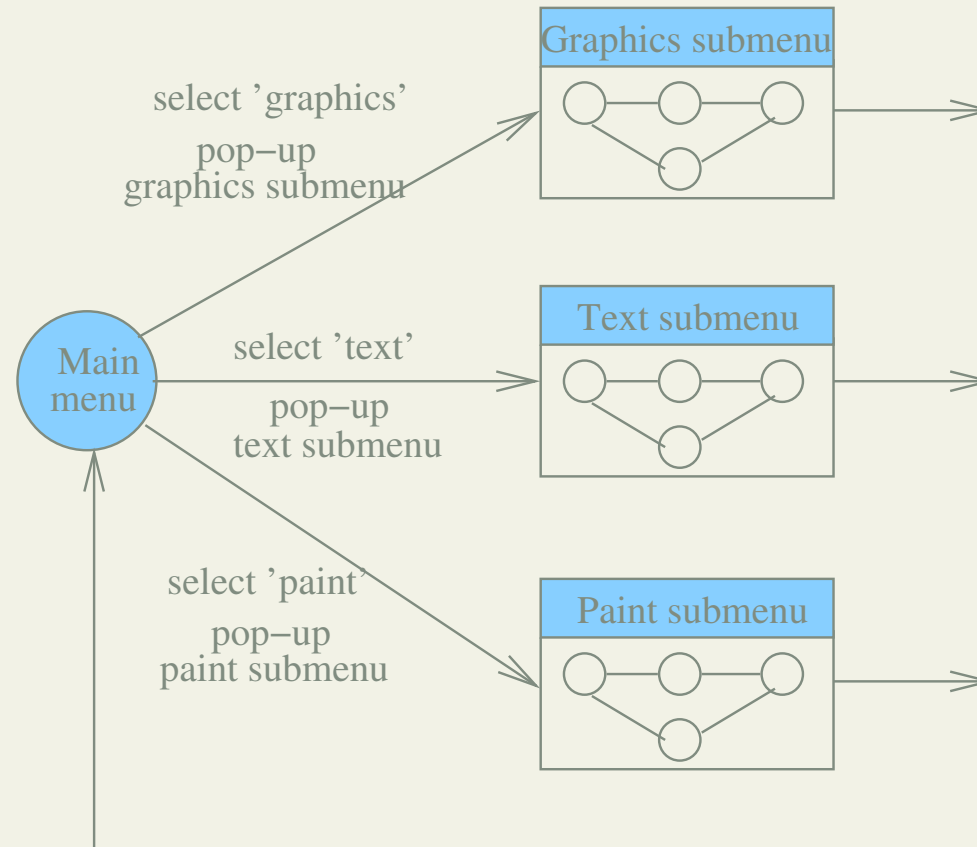
#### ▷ Ein Beispiel



#### ▷ Zustände und Zustandsübergänge

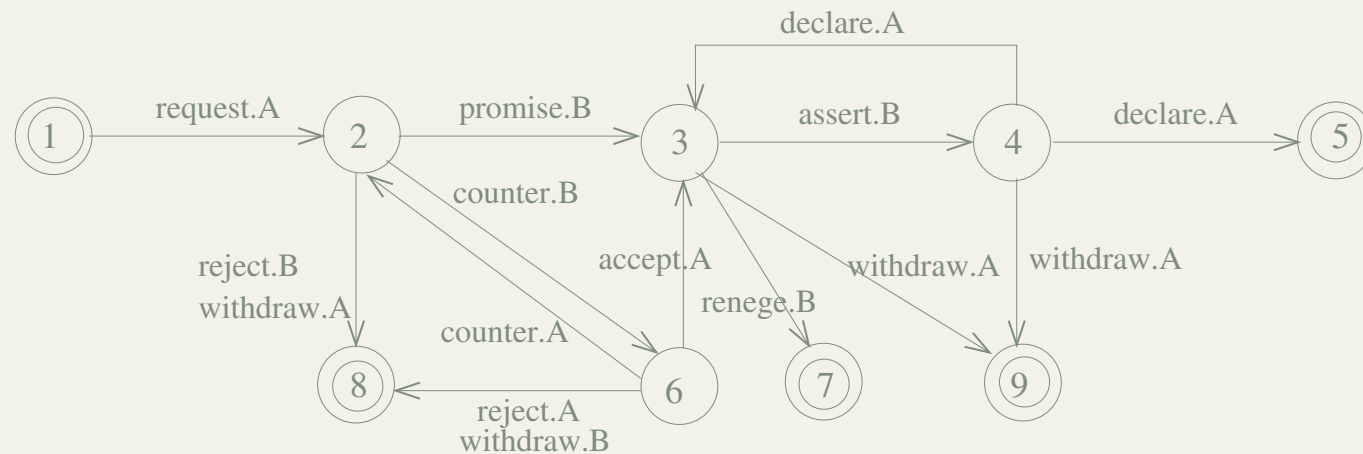
#### ▷ Startzustand und Endzustände

▷ Hierarchie der STNs



○ Modellierung von Dialogen

▷ CfA-Modell – *Conversation for Action*



● Dialog 1

A: Where does the next IJCAI take place? [request]

B: Please wait, I'll look it up. [promise]

In Australia. [assert]

A: Thanks. [declare]

- Dialog 2

A: But where in Australia? [request]

B: I don't know.

But I can show you the Call for  
Apticipation. [counter]

A: OK. [accept]

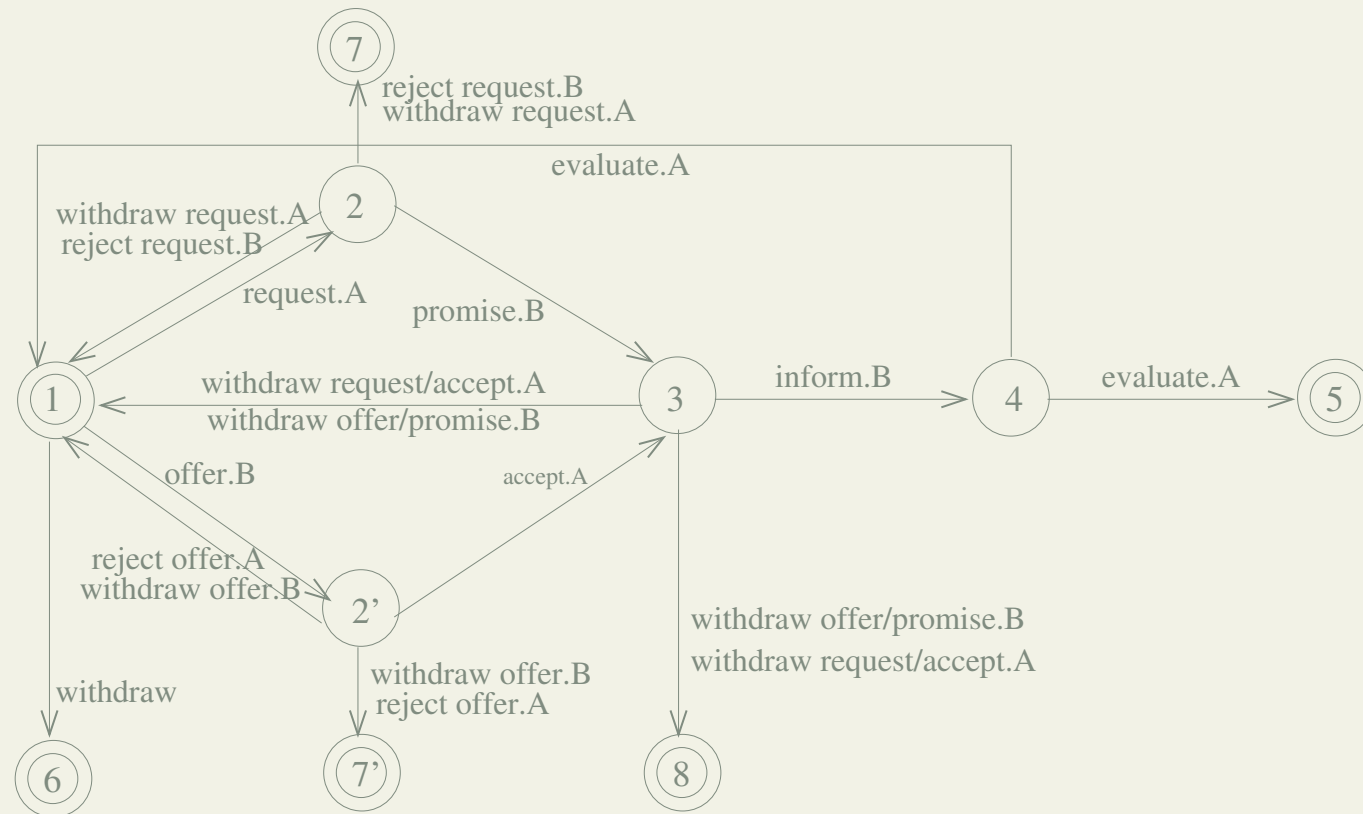
B: Here it is. [assert]

A: No, I can't find it here. [declare]

- Dialog 3

A: See if you can find it?	[request]
B: OK, I'll have a look.	[promise]
Wouldn't it be better	[?]
if I showed you the letter of invitation?	[counter]
A: OK, thanks.	[accept]
B: Here it is: August 1991 in Sydney	[assert]
A: Thanks.	[declare]

▷ COR-Modell – *Conversation Role Model*



A:	Where does the next IJCAI take place?	[request]
B:	Please wait, I'll look it up. In Australia.	[promise] [inform]
A:	Thanks. But where in Australia?	[evaluate] [request]
B:	I don't know. But I can show you the Call for Aprticipation.	[reject request] [offer]
A:	OK.	[accept]
B:	Here it is.	[inform]
A:	No, I can't find it here. See if you can find it?	[evaluate] [request]
B:	OK, I'll have a look. Wouldn't it be better if I showed you the letter of invitation?	[promise] [withdraw promise] [offer]
A:	OK, thanks.	[accept]
B:	Here it is: August 1991 in Sydney	[inform]
A:	Thanks.	[evaluate]

- Modellierung in CSP

- Spezifikation eines STNs

`stn.csp`

- Spezifikation des COR-Modells

`cor_model.csp`

- Spezifikation eines Dialogs