

Statecharts

b) Liste der Übergänge

Aktion	Aktueller Zustand	Neuer Zustand
After 1800s	AutomatedRecording	OnWithTape
StopEject	AutomatedRecording	OnWithTape
Pause	AutomatedRecording	PausedAutomatedRecording
Operate	AutomatedRecording	OffWithTape
StopEject	FastForwardPaused	OnWithTape
Operate	FastForwardPaused	OffWithTape
StopEject	FastForwardPlaying	OnWithTape
Pause	FastForwardPlaying	Paused
Play	FastForwardPlaying	Play
Operate	FastForwardPlaying	OffWithTape
Operate	OffWithoutTape	OnWithoutTape
TapeIn	OffWithoutTape	OnWithTape
StopEject	OffWithTape	OffWithoutTape
Operate	OffWithTape	OnWithTape
Operate	OnWithoutTape	OffWithoutTape
TapeIn	OnWithoutTape	OnWithTape
FastForward	OnWithTape	FastForwardPaused
Operate	OnWithTape	OffWithTape
StopEject	OnWithTape	OnWithoutTape
Play	OnWithTape	Play
Record	OnWithTape	Recording
Rewing	OnWithTape	WindBackPaused
FastForward	Paused	FastForwardPaused
StopEject	Paused	OnWithTape
Play	Paused	Play
Rewind	Paused	WindBackPaused
Operate	Paused	OffWithTape
Play	PausedAutomatedRecording	AutomatedRecording

Aktion	Aktueller Zustand	Neuer Zustand
StopEject	PausedAutomatedRecording	OnWithTape
Operate	PausedAutomatedRecording	OffWithTape
Record	PausedRecording	AutomatedRecording
StopEject	PausedRecording	OnWithTape
Play	PausedRecording	Recording
Operate	PausedRecording	OffWithTape
FastForward	Play	FastForwardPlaying
StopEject	Play	OnWithTape
Pause	Play	Paused
Rewind	Play	WindBackPlaying
Operate	Play	OffWithTape
Record	Recording	AutomatedRecording
StopEject	Recording	OnWithTape
Pause	Recording	PausedRecording
Operate	Recording	OffWithTape
StopEject	WindBackPaused	OnWithTape
Operate	WindBackPaused	OffWithTape
StopEject	WindBackPlaying	OnWithTape
Pause	WindBackPlaying	Paused
Play	WindBackPlaying	Play
Operate	WindBackPlaying	OffWithTape

c) Analyse

- Ja, bestätigt durch Tiefen-/Breitensuche.
- Maximal 4 Aktionen (längster Weg von OffWithoutTape zu PausedAutomatedRecording).
- Entscheiden, ob die Zustände für das Verständnis nötig sind. Ansonsten entfernen des Zustands und der Übergänge und ersetzen durch einen neuen Übergang.