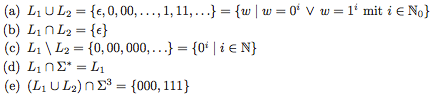
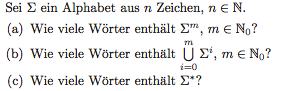
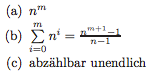
# Formale Sprachen // Alphabete





Anzahl Worte

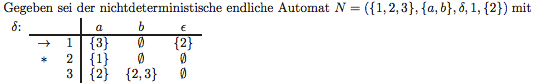
 

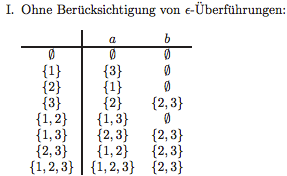
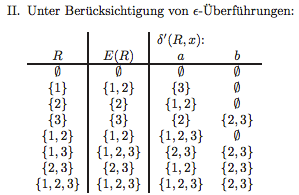
# NEA->DEA // Teilmengenkonstruktion a la Chat

Man hält im DEA fest in welchen Zuständen sich der Automat nach Lesen (oder bei Epsilon: Nicht-Lesen) eines Zeichens befinden könnte. Das macht man für jedes Zeichen des Alphabets. Am Ende markiert man alle neuen Zustände als Endzustände die zumindest einen Endzustand des NEAs aufweisen.

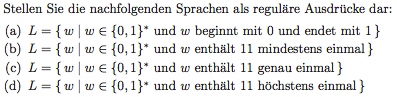
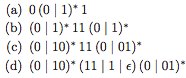
ACHTUNG: Immer gucken ob ein Epsilon an dem betrachteten Zustand hängt, dann gehört nämlich der nächste Zustand zur Liste dazu!

Beispiel Teilmengenkonstruktion mit Tabellen

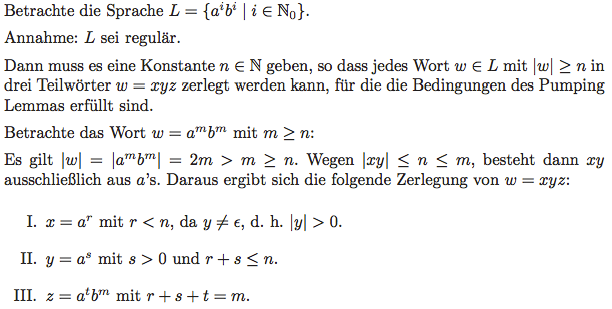


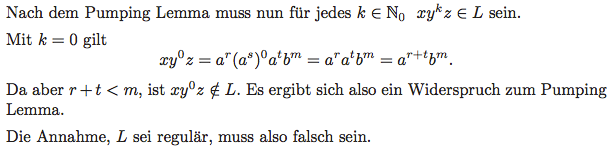
 

# Reguläre Sprachen // Reguläre Ausdrücke



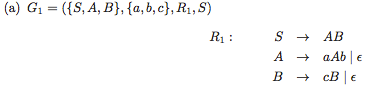
# Pumping Lemma



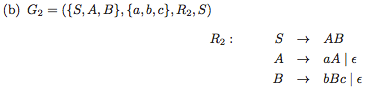


# Kontextfreie Sprachen // Kontextfreie Grammatiken

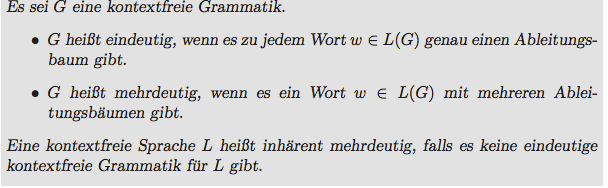


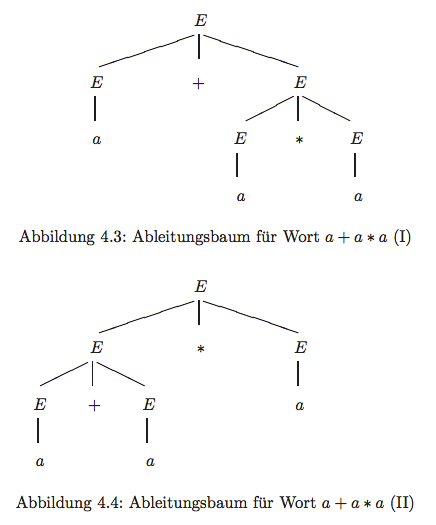




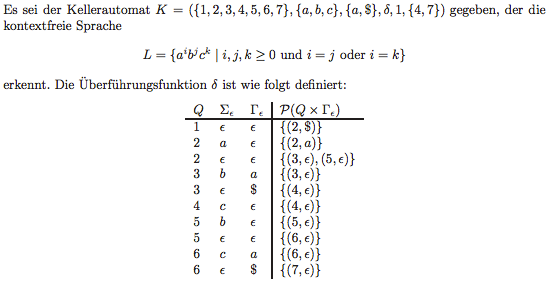


# Mehrdeutigkeit

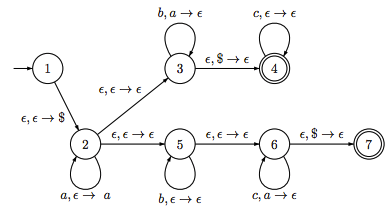


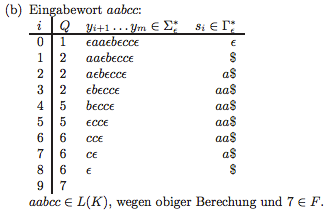
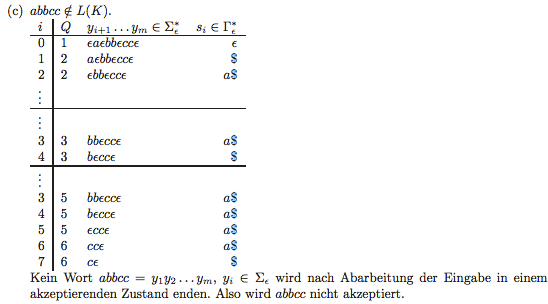


# Kellerautomat // Beispiel



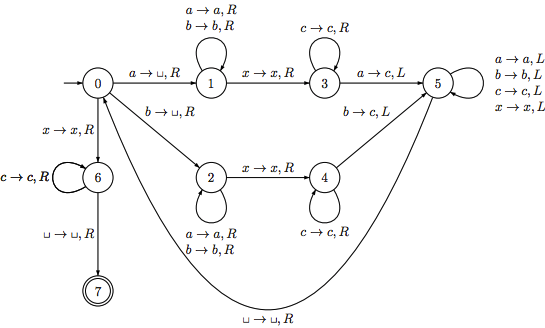
# Überführungsgraph



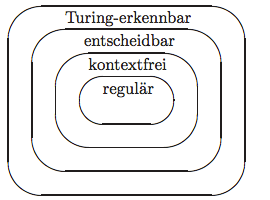
 

# Turingmaschinen

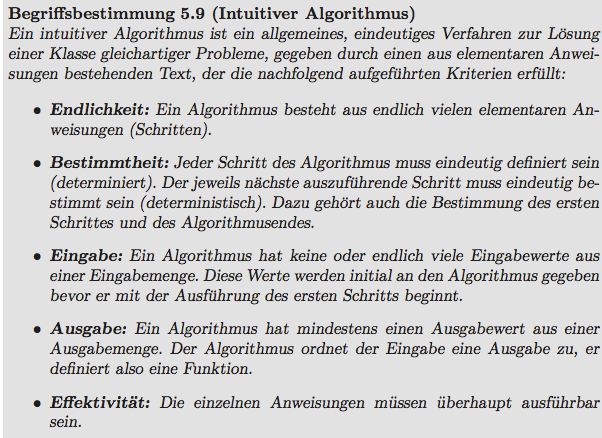
Beispiel



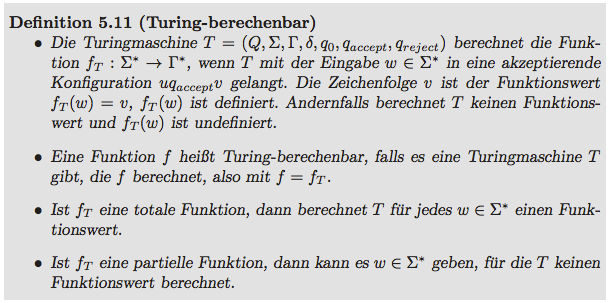
Hierarchie der Sprachfamilien

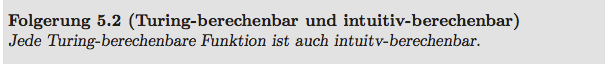


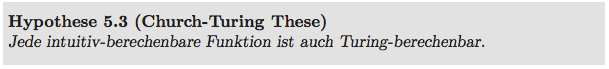
# Algorithmusbegriff

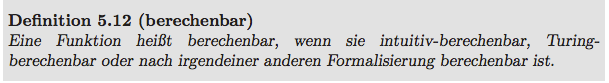


# Turingberechnbar

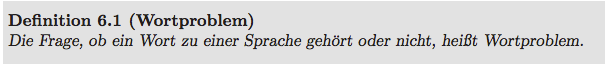


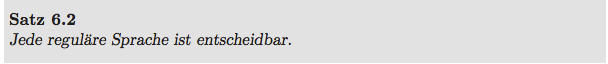






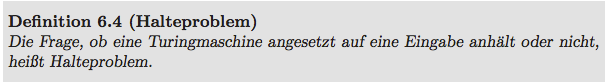
# Entscheidbare Probleme





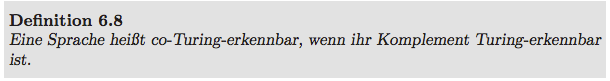


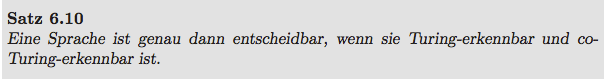
# Das Halteproblem



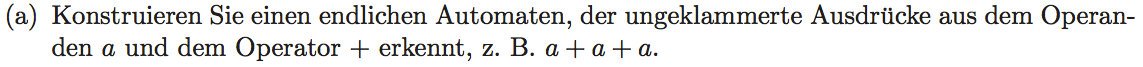
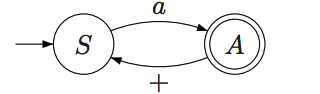


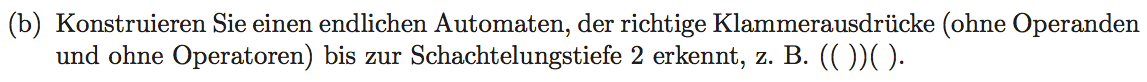
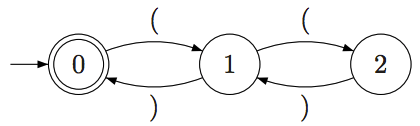


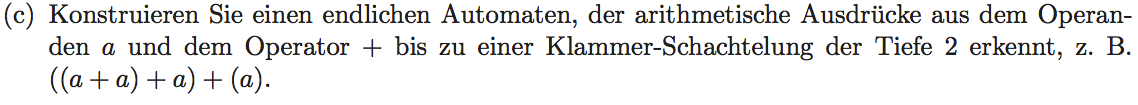


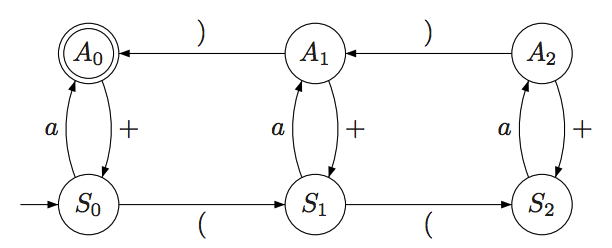


# Beispiele aus Altklausuren

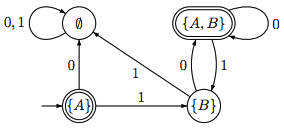




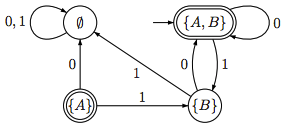




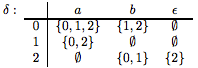
NEA->DEA

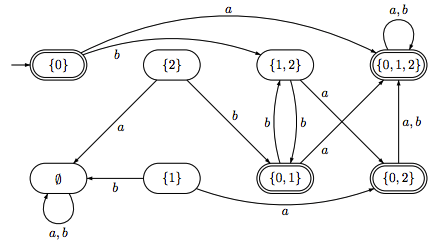






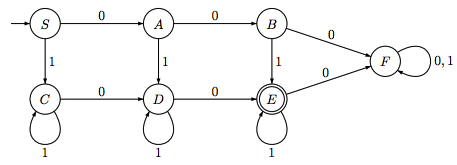
# 





# DEA

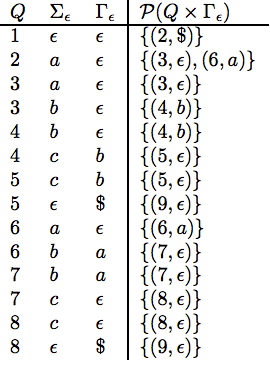
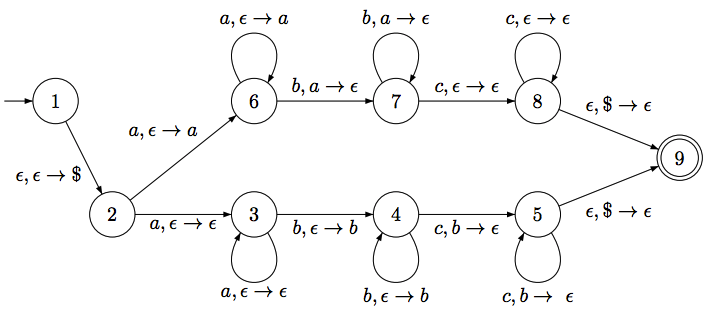
„mindestens eine 1 und genau zwei 0“

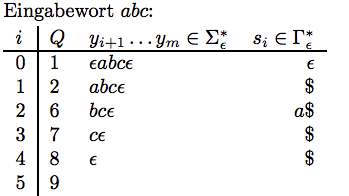
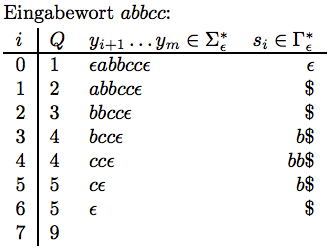


# Kellerautomat





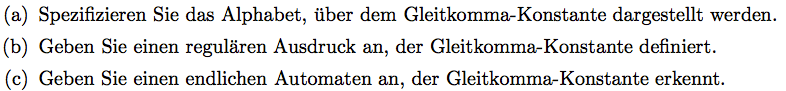
 

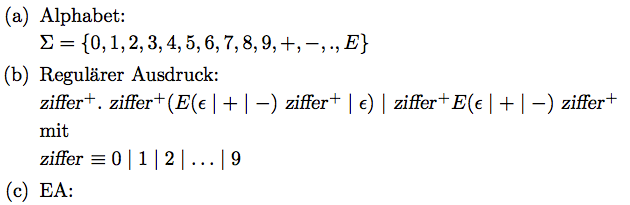


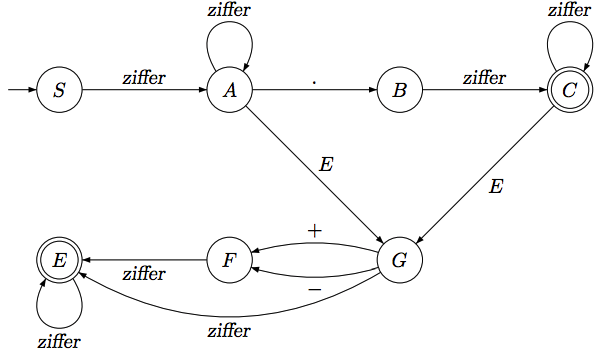
abbcc ∈ L(K), wegen obiger Berechung und 9 ∈ F.

abc ∈ L(K), wegen obiger Berechung und 9 ∈ F

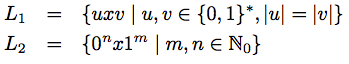
# Gleitkommabeispiel



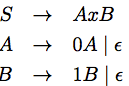




# Kontextfreie Grammatik







# Allgemein



