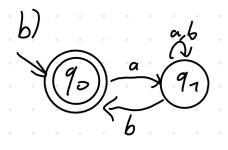
## Übungszettel 7 Afg. 7.1

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a)
$$R = (1 \cdot (0+1)^{*}) + (0 \cdot (0+1)^{*} \cdot 1 \cdot (0+1)^{*})$$

$$= (\epsilon + (0 \cdot (0+1)^{*})) \cdot 4 \cdot (0+1)^{*}$$

$$= (R) = (M)$$



$$M = (Q, \Sigma, \delta, q_0, F)$$
, mit  
 $Q = \{q_0, q_1\}$   
 $\Sigma = \{a, b\}$   
 $\delta : Q \times \Sigma \rightarrow P(Q)$ , siehe übergangs-  
 $F = \{q_0\}$ 

Leabar = 
$$L(b+(ab)^{*}) = \{w_{1}...w_{n} \mid n \in \mathbb{N}, n \text{ is } \text{ungerade},$$
  
 $\forall i \in \{1,...,n\}; (i \text{ is } \text{ungerade}) =) w_{i} = b$   
 $1 \text{ (i is } \text{ge-ade}) =) w_{i} = \alpha\}$