Final 3

33.1

(s,aba,e) +m (f,ba,e) (s,aba,e) +m (s,aba,e) +m (s,araa) +m (s,e,aaa) (s,aba,e) +m (s,ba,a) +m (s,araa) +m (f,e,aa)

(s,aa,e) +m (s,a,a)+m (s,e,aa)

abb input (s,abb) +m (f,b,b,e) (s,abb) +m (s,bb,a) +m (s,e,aaa) +m(s,e,aaa)

(s, baa, e) +m (s, aa, a) +m (f, a, a) +m (f, e, e) (s, bab, e) +m (s, ab, a) +m (f, b, a) +m (f, e, e) (s, bab, e) +m (s, ab, a) +m (f, b, a) +m (f, aa, aa) +m (f, a, a) (s, baaaa, e) +m (s, aaaa, a) +m (s, aaa, aa) +m (f, e, e)

[bora, bob ve banaa L(M)'de.

3.3.2

a) M=(K,Σ,(,Δ,s,F)

K={s}

Σ={L,1,[,],}

Δ={((a|a|a); ((a),(),(a,e)), ((a,[,e),(a,[,e)), ((a,1,[),(a,e))})}

- b) M=(K,Σ,Γ,Δ,q,F); Σ={a,b} Π={a} F={r}

K={q,r}

Δ={((q,a,e),(q,a,a)),((q,a,e),(r,e)),((r,b,a),(r,o))}

C) $M = (K, \Sigma, \Gamma, \Delta, 5; \epsilon)$: $K = \{a, r\} \Sigma = \{a, b\} \Gamma = \{a, b\} \Gamma = \{r\}$ $\Delta = \{((9, a, e), (9, a)), ((9, b, e), (a, b)), ((9, e, e), (r, e)), ((9, b, e), (r, e))\}$ $((r, a, a), (r, e)), ((r, b, b), (r, e))\}$

-- d) M= (K, Σ, Π, Δ, s, F)

K= {q} Π= {A, α, b} Σ= {α, b} F= {q}

 $\Delta = \{((q, \alpha, e), (q, A)), ((q, b, e), (q, b)), ((q, a, b), (q, a)), ((q, b, a), (q, a)), ((q, a, a), (q, e))\}$

13-Le.1

M=({p,9},{(,)},{(,),5}, D,p,{a})

 $\Delta = \{(p,e,e), (q,s)), ((q,e,s), (q,s,s)), ((q,e,s), (q,(s)), ((q,e,s), (q,e)), ((q,e,s), (q,e)), ((q,e,s), (q,e))\}$ $(p,(()()),e) \vdash_{M}(q,(()()),s) \vdash_{M}(q,()()),s) \vdash_{M}(q,(),()),s))$ $\vdash_{M}(q,()()),(s)s)) \vdash_{M}(q,()()),s)s))$ $\vdash_{M}(q,()),(s))),\vdash_{M}(q,()),s))$ $\vdash_{M}(q,()),(s))),\vdash_{M}(q,()),s))$ $\vdash_{M}(q,()),s)),\vdash_{M}(q,()),s))$ $\vdash_{M}(q,()),s)) \vdash_{M}(q,e,e)$

All S