3.3.1

a) (s,aba, e) $\vdash (s,ba,a)$ $\vdash (s,a,aa)$ $\vdash (s,e,aaa)$ (s,aba,e) $\vdash (s,ba,a)$ $\vdash (s,a,aa)$ $\vdash (f,e,aa)$ (s,aba,e) $\vdash (f,ba,e)$

6

· aba: a) sikkinda ∉ L olduğunu gösterdik

· ad:

 $(s,aa,e)+(s,a,a)+(s,e,aa) \notin L$ $(s,aa,e)+(s,a,a)+(f,e,a) \notin L$ $(s,aa,e)+(f,a,e) \notin L$

· abb:

 $(s,abb,e)+(s,bb,a)+(s,b,aa)+(s,e,aaa) \notin L$ $(s,abb,e)+(f,bb,e) \notin L$ · bag

(s,baa,e) + (s,aa,a) + (f,a,a) + (f,e,e) \in L

· bab:

 $(s,bab,e)+(s,ab,a)+(f,b,a)+(f,e,e)\in L$

· baaaq:

(s,baaaa,e)+(s,aaaa,a)+(s,aaa,aa)+(f,aa,aa)+(f,a,a)+(f,e,e) \in L

3.3.2

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

 $\Delta = \left\{ ((p,e,e), (q,S)), \\ ((q,e,S), (q,e)), \\ ((q,e,S), (q,sS)), \\ (($

((q,e,s),(q,[s])), ((q,e,s),(q,(s))),

((q,(,(),(q,e)),

((9,),),(9,c)), (9,[,[),(9,e)), (9,3,3),(9,e)) Z={(,),(,3}

V = {<,(,),c,}}

Asma parantez;
okuduğunda 55
push cdiyor, sonra
parantezi okuyor

6) M=({5, P,9}, {a,b}, {a3, b,5, {f,9}) D= { ((s,a,e),(s,a)), ((s,e,e),(f,e)), ((P,b,a),(P,e)), ((f, b, a), (g,c)), ((g,b,c),(p,e)) }) M= ({a1,92,93,943, {a,b}, {a,b,c}, D,91, {91,943}) D= {((q,,e,e),(q2,c)), ((q2,a,e),(q2,a)), ((92,6,e),(92,6)), ((92,a,e),(93,e)),7 ((92, b, e), (93, c)), ((92,e,e),(93,e)),] // IN/ GIPT ise ((93,9,a),(93,e)), ((93, 6, 6), (93, e))((93,e,c),(94,e))}

a) $M = (\{ \leq \}, \{ a, b \}, \{ A, B \}, \Delta, \leq, \{ \leq \} \})$ $\Delta = \{ ((\leq, b, e), (\leq, B)), ((\leq, b, A), (\leq, e)), ((\leq, a, B), (\leq, A)) \}$ $((\leq, a, BB), (\leq, e), (\leq, a, e), (\leq, AA)), ((\leq, a, B), (\leq, A)) \}$

3.4.1

• $M = (\{p, q\}, \{(,)\}, \{s, (,)\}, b, p, \{q\}\})$ $D = \{(p, e, e), (q, s)\}, ((q, e, s), (q, e)),$ ((q, e, s), (q, ss)), ((q, e, s), (q, (s)), $((q, c, c), (q, e)), ((q,), (q, e))\}$

· (()()) girisii iqin:

 $(\rho, (0, 0), e) + (q, (0, 0), s) + (q, (0, 0), (s))$ + (q, (0, 0), s) + (q, 0, 0), s) + (q, 0, 0), (s)s) + (q, 0), s) + (q, 0), (s)s) + (q, 0), s) + (q, 0), s) + (q, 0), (s)s) + (q, 0), s)+ (q, 0), s) + (q, 0), (s)s) + (q, 0), s)