#GR (4thpos) a) {am/m20} GLVD GLUE V={5} V={5} T= { a} T={a} P={5-> a5/a} P= (5-) Sala} 5=5 5=5 b) {anbm/n201m20} GLUE GLUD V= [S,A,B] V= {S,A,B} T= {a/b} T={0,b} P-SS-> a/Bb/Aa P={5-) alaA B-> Bb/Aa A-70A/6B/1 S=S A=> Aa/13// 5=5 B-> 6B/A c){a2mb(ab)m/m>0,m>0} GLUE V= (S, A, B, X, Y) GLUD V={5, A,B, X, Z} T={a,b} T={a/b} P= (5 -> Ab. P= {5-> ax A>Ba A-> aX/bB B->04 B-> Ab/Yb X-> aA Xつるa 1-> aB/A 1-> Xa 5.5 5=5 2-> 1/Xa} d) Cambom co/nimipoo} CLUE GLUD V={S, A,B,C} V= (SAB,C) T={o,b,c} T= Ealich P={5-> E & P= (5-) aA A>aA/bB C> Cc/Bb B->bB/cC B-Bb/Aa S=S A-> Aa/A) U SS C>cC/Aj

e) {(ab) " (ba) "/ m, m>o} GLUD V= {SiABIENT T= {allo} P={5-> aA A>6B/6X B-> aA X->aV/1 Y-> 6X GLUE V= {S/AB,X/Y} T= (0/6) P= (S-) Aa A>Bb/Xb B>Aa X-> Ya/1 Y > Xb } 5=5# GLC a) {aibte / i= +t/ y>0, 100} V={5,A,8] T={o,b,e} P= (5-) a A c/ A-> aActoaBb 5=5 B > aBb/1] b) {axbj ck(k=x+y, x>0,1)>0} V={SAB} T= {a/b/s} P=ES-> aAc A-> oAc/bBc B > bBc /1.} 5=5 Claible / /= i+k 11, k >03 V= {S,A,B} T= {obje} P= (S-> AB AsaAb/ be SES BED BELL d) {we {a,b}* / qtde de a= qtde de b} V={5, T={aib} PE(5-) NIBALOB A->aSI bAA B-> 65/aBB1 2) {amb²mcm dm+2/m20,m3/ P={5-> AB/2 A=> aAbb/1 B-> c C Add C-> c C d/A

(1) {aibmcl/izo, m3) V={Si T= {o,b,c} P={S-> aAc/bB A-) aAc/bB B> 6B/1 5=5 9) {(Os)m(so)m/m>0} S-7 JAJ VES OM A-> 080 T={0,1} B-JAJ/A P={5>> 10501/1] h/0m3m0K/m20/k213 V={ T={0,1} P= (5-> AB A>OAJ/A B > 08/0} 5=5 $\lambda) \{0^{m} \int_{0}^{2k} / m_{2} o, k_{2} \}$ 中人 P=15-> AB A-> 093/A B>11B/11} Sir