PRAKTIKUM TBFA MINGGU 11

PUSH DOWN AUTOMATA & CFG

Nama: Fitri Yunita Aritonang NIM : 11518020 14059.1.9×9.1! [pota | kelás] :-131F-11. Soal I Ubahlah grammar benikit te PDA yang menerima language yang sama, berdasarkan stack Caccepts by empty stack? empty S - OSI AT A → IAO ISIE (STEEL ST JAWAB: S(a,c,x) = [(c,x]]· Single state : [9] FX [1 X] - O [1 X] · input alphabel: [0,1] [axp] - OLpyn · stack alphabet · [0,1,5,A] · transition fundion 8 ((3.E)) = (x3.E) 3 @ start state : [7) · start symbol v 3 - [& X &] . I - * Menambahkan transisi fungi pada varrabel · 8 (2, c, S) = {(2, OSI), (2, A) } · 8 (4, EA) = {(4, IAO), (4,5)} * Menambahkan transisi jungsi pada masing - masing terminal. · 8 (9,90) = { (1,2) y • 8(4,1,1)= [(4,4)] ا، [وزه ع] - و الوثي على [peopl - olgiet] Ubahlah PDA P = ([1, 2], [0,1], [x, to], 8, q, to) benkut menjadi C+G, dengan 8 dibenikan vebagai benikul: 1.8 (2,1,20) = {(2,x,20) 3. a.6 (q, 1, x)= {(q, x, x)}. 3.8 (9,0,x)={(1,x)}. 4.6 (q, E,X) = ((q,E)). 5.6 (q,1,x) = {(p,c)}

6. 5 Cp. 0, to) = {(a, to) 4

JAWAB

S - [2top] [2toq]

II Uaabuu

- (D 8 (9,1,20) = (9, X20)
 - [4Xq] 1[qXq][q2oq] | 1[qXp][p2op]
 [4Xp] 1[qXq][q2op] | 1 [qXp][p2op]
- (2) 8 (q.1,x) = ((q,xx));
- 3 8(q,0,x) = {(p,x)}
 - [$2X_{p}$] $0[pX_{q}]$
- (4,ε)) = [(4,ε))
 - L, [4X4] → E
- (5) 8 Cp, 1, X) = { Cp, E)}
 - Lo [pxp] -1
- 6 8 (p.0,20) = { (q.20)]
 - [ptoq] 0[qtoq]
 [ptop] 0[qtoq]

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Ulahlah arammar

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· Smyle state . [8]

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(s. e)] : [] , e) 3 .

· 8 (a,e,e): {(a,es)), (e,A)}

• E (a.sA) = [(4.1A0), (4.5)]