

JOT = 500 mil (10) T + F & T'inh = F. val ST' / T. val = T'. Syn S T' > * KY Ti.inh = Tinh + F. val) Ti'Y T'. Syn = Ti.sag T' > E (T'. syn = T'. inh) Fydigit (Fval = digit. lexval) top down Boil ainoin Just on terminal as offin - recursive descent . in to synthesized after Urgono, to inherited after ya T () Y 6 val val F, val_T'inh, val_T'syn, val_T Val_F = F(); val T' inh = val K Val_T'_5/1 = T'(val_T'inh); val_T = val_T'_5/2 ? return val_T' val T'(val T'inh) /
val val Foval Ti'inh, val T'inh,
val Ti' syng(it (correct == *) / va1 F(){ val val F; 3 match ('*'); val_T'syng current ++; val F - find (digit. val_F = F(); 1ex val return val F; 4 ~al_Ti_Phh = val_T_linh xvalF3 val_T'_SYM = T'(val_T'_inh); val_T_SYN = val_Ti_SYN; refurn val T'synis Salse return val 7 inhs)

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Scanned by CamScanner

bottom up Cs, _ xuly

woll In o is production interited to attr of two action (sing)

T > FM T' \ T. val = T'. syns

T' > * F N T' \ T'. syn = T'. syns

T' > E \ T'. syn = T'. inhs

F o digit \ F. val = digit . lexval)

M > E \ T'. inh = F. val)

576616	production	Curi T
LALB 1B - 108	5-11.12	(Vel
B -> 0 17		Lz. isleft = true Lz. isleft = false
-affr is is Left -		5. Val = L7. Val + L2, Val
	Z 1	Listeff - true
I'm inherited	5 1 1	5, val = L.val
THOSE LI VOILE COMIS	L 7 L1B	L1. is left = L, is left
RAILON NO dot of		L.len = L1.len +7
Avi Vio Quis - 1en	¢	L.val = L.isleff ?
Vivil -		LT, Val \$2+B, val 8
		L1. Val +B. Val * Y (-L. len)
	L 7B	L. val = L. is Left 2
		B. Val & B. valy
	B 10	B. val =0
	B-> 1	B, Val =7

0	Strik (c) Si else sp
	L7 = New() (. false = L7 51. next = S. Next 5. code = C. code S1. code L7 St. code
6	S + do 51 while (c)
	c.true=L7 s.code = (abel 11 L7 11 si, code i) c.code
()	S -> 14' L 19'; L -> LS [E

5-12 (B) SI 5 -> it (B) M SIY bockpatch (B. true list B -> BI 11 BY Minstr); S. Nextlist = merge (B. false list, sinext B -> BI 6& BY BATIVE B > BI II MBY & back patch (BI. Laiselist, B - Leip Minstry; B. true list = merge (Bi. true list, BY. true list) B. false list = Bl. false list 34 3 B -> BI GEMBI I backpatch (BI. truelist, M. instr); B. truelist = Br. truelist; B. false list = mege(BI. false list , BY, falselist YB. truelist = markelist (n extinstr); @ B-)+rue gen ('yoto -');} By false IB. false list = makelist (next instr); yen ('goto -'); 9 @ M J E { M. instr=next instr; } Exptrue cos e Nitrue 6 BI STB QU' In Low BY NO - NO PORCEBI

الوال ج S-> ER 8 (SINS) R > * EXPINT ("*") ; 4 RIE 2 + 3 +4 E -> F + EY print ("+"); 5 1 F F-> (5) I id trint (id. value) >) صرمل کا 16000 ens ignore swaction 1 باری ماکشی 1) A-Ja - productions's Q ودم ع سے درزند بر مرس 1 explain a (500 action EXPRINT Y وي مرالد EE of print (2) yich value = 3 & print ("+") by traversal ا جاع م رهاع ، Aprint (3) id valve = Aprint (4) 2 *3 +4 قواب کا E -) E+E < P(N+ (7)) < print ""> ヒナモメモ (a+p) + (c+d) ETIO E+ (E) Costraverse du o (orio g 200 ab+61+0 ich share; I name ich name ich name od = a h printing ferint (b) + print (c) + print(d)