CSL 356 Lec 22, Sept 19

Po 1 S	vsirg A	Conta	nt Fa	ee 6, Å → 1	ramma 34/a	~
3 B	→ cc	2 b	- 4 - a	C →	48/a	
1	В	A,C	X,C	B	4,0	
2	S, A	B 4	5, C	SX		
length 3	Ø	B	В		1	evestands
4	ø	S,Ă,C	and the N.T. that can derive it.			
5	7,5			I	∫ S × ?	re it.

Sinj : substring starting with Ti of length j E7. Sin = b S2,3 = a a b etc.

If S >> baaba then Beither S -> AB >> baaba

W S -> BA -> baaba

i (starty brillan) j Manger j what in the number of sleps to fill up the entry i,j? j-1 partilions m: mas no. J rules jxmxk cerresponding {
a specific N.T. For each rule we muit chek each por Ym K: # non der minale Total-lime: 5 & mk.n. n

 $\leq m.k.n^3$ $i = O(n^3)$ if m, k are constants

Stack: The entire table

has to be retained $O(m^2)$ CYK algorithm

Fundin Atbropormilian Directe funden defined at indegral points 0 1 2 3 4 5 Representation of the funda j (0, g0) (1, g1)(2, g2). (m,gn) m. points can be street, say of Minimise the Sum of the Squares of the difference of

fand g.