C71 10-11 ent. Sumping anima (Bon - Hall Thistern) J. Let L & a regular pet. Then there winto pe M (p>0) p.t. if wel, 1 wl>pithon: ·) w=xyzel much that. O</a> ·) XN,565,41,50. - Boof: L is rug not => 3 FA M=(0, 5, 5, 20, F) at. L(M)=L. 21eF(=>=)=19,00 p.+(20,0)+\* 1-(2,1,42)+(2,2)+-(2,2) 1>0. (20, xy'z) + (2,,y'z)+ (2,,y'z)+ (2,,y'z)+ (2,,z)+(2,z) X X,5 67 4,50 (20,X2) + (21,2)+\*(21,E) XN,567 4;50 Context free grammation (CHg) A - ox AeM and x e (NUS)\* G=(1964, ha, bh, P, Sh P: S-> asbs las 1 & aaba EL(G). S=> asbs=paasbs paabs=> aabas=>aaba (liftmost durivation) S=3 a S b S = a S b a = s a a S b a = s a a S b a = s a a S b a

C 71 10-11 Lumping anima C Bar - Hall This em) J. Let L & a regular pet Dem there winto pe N (p>0) p.t. if we-I WIS PHONE JM-XXS 6 F my that OKINISA ,) XA, 56 - A150. Boof: L to rug od => 3 FA H=(0,5,5,90,F) d. L(M)=L. 21e F(=>3 g,e Q sit (g,x))\*

(1+(g,y2)+(g,2)+(g,2))\* (10,W) -- (9,E) 1>0. (20, XY'Z) + (2,,Y'Z)+ (2,,Y'Z)+ (2,,Y'Z)+ (2,,Z)+(2,Z) ) XXi5 E7 41 >0 (20,X2) + (21,2)+(21,E) xy'zel,4;>0

Context free grammation (Cfg)

A > 0 AeN and x e (NUE)\*

G=(NSh, ha, bh, P, Sh P: S > aSbS laSlE.

aaba & L(G).

S=> aSbS => aabaS => aabaS => aabaS => aaba (Whost divination)

S=> aSbS => aSbaS => aSba => aaSba => aaba

Rance -