3). Uset production (removal):
S > Dawclac | bz | b | c y | axb | ab

X > axb | ab

Y > c y

W > a W & | ac | b z | b

W > a W & | ac | b z | b

S > x y , N > b & z > b , s > b z | b

aldreddy on CNF

s-) and lac () laxb lab r -> axb/ab c->(c) Walle Inc 165 ストして SA/a WE Vat Laxx / GF X-> ax S-gWE/aE/aXF |aF X - axFlaF W -a ME | aE / S-) as, lat las, lat, s, -) ME , J2 -XF X -> as, lat , S3->XF W> as, lat The GNF are J-XY, W-b, Z-> b, s-bz/b d -> CY CACY WJbI て 1 62

3) string: boy/likes/the/small/cat

bord pexer the small call

 $(x_{i,j}) = (\alpha_{i,i}, x_{inj}) \cup (\alpha_{i,i+1}, x_{i+2}, j)$ $(x_{i,j}) + \alpha_{i,j} + \alpha_{i+3}, j) \cup (x_{i,j+3}, j) \cup (x_{i,j+3},$

3). J(a)={owwoon|n >0,wefa,by} 2, = {b2mn 203. 12 = farb (nzo, mzo) L, W) regular language to -) regular language then do day must also be a gregular longuage. 21 has regular empression of (66)* La has regular empression of (at b*) Soo L. Uhg has regular expression of (bb)*+(a*b*) The Regular language only have regular expression. It has regular empression Issue Hence et en avagular language