Justin Wong LMPS 136 HW#7 Exercises 1.3 and 2:4 CFG Proof TG: P -> X8x /S S-Datb/bTa T-7 XTX 1X/E X-Dalb Fol Variables: R,S,T,X [i] True 16 Termods: a, 6 C. Start R E False do ab. ba, aab 2. True CJa, b, E f Talse M True [n] False g True [0] L(6) is all a and b storings as long h. False [a] Ew (w contains at least three 183 A-0313131 B-0 OB 1 1818 (b) I w/w starts and ends with the save symbol } A-D CBO 181 011 B-0 OB / 18/8 [C] Ew| the length of v s'odd 3 A + OB/13

3-DOAL 1ALE

A-DO/OAO/OA1/1AO/1A1

El ?W/W = WR, DIS a palendoone? A D DAO[IAI/OI1/E

The empty set

[3] {x∈3a,b8* | x≠ww for some w∈3a,b8* gue a cF6 S→a[b|aT|bR T→ b|R R→aT