DFA ay 96 [9,93] 9/2 9,93 94,96 P1 93 TTO = { [9,93] | 92 9, 95 96} TT1 = [ [9,93] [92] [95] [94 96]] 1 To: { 92}, { 90 9, 93 92 95 92 9 reduce this pla 0 94 90 91 96 92 90,04,987 92 900 96 { 93 95 92 93 9 95 95 9/2 Off. 96 150012173967 pan 973 96 (91,95), [V27] 9/2 (13 is the same now draw There transitions State diaprum

92 13 unreacheable he can remove it from stort on even during merinization T3= T2= { {92} { Q10, 94} { 93,95} {9, 93} { 946]} State 0 1 {9,94} {9,97} {9,35} (9,5) {9,97} h 96} 1 923 { 9<sub>2</sub>} 8 90 943 8 923 { 92} { 96} 9395 \$ 8 96) { 90 94 y 1964 This takes DFA 00 input & gives Minimized DFA Valid Irvolid ≥ (a∈≥)U{c,1,\*,u,b} 01 Concatenation is implicit, and 10 11110

ah
(aup) b*
S 1 S 100 100 100 100 100 100 100 100 10
a b all as first, all be next but number should be some
$\Sigma = \{a,b\}$ L $\{w \mid w = \forall a \in a^{*} - \}a^{*}b^{*}\}$
$\Sigma = \{a,b\}$ L $\{w\}_{\omega} = 2a_{1} \in a_{2} \in a_{3} = a_{4} \in a_{$
You can't have Ofinite automata
Of a bs
but at by yus
Language generators that are more boweful are grewined
Largueze generators that are more poweful are required.  3these are context free grammors.
Language Generators
☐ That device begins when a signal to start is given to construct the string. ☐ It operation determined by a set of rules.
<ul> <li>□ Eventually this process halts and produces the completed string.</li> <li>□ The language defined by the device is set of all strings that it can produce.</li> </ul>
☐ It is difficult to produce a recognizer for English language.  ———————————————————————————————————
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