chonsky hierarchy -

It is a classification of granners which generates formal languages.

$$G = (V, T, P, S)$$

P = rules

S = Start symbol.

A, B -- 1 T = set of terminal symbols. 9,6 --

aba

aabaa

aaabaaq

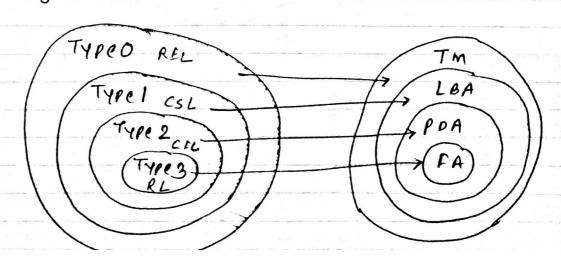
P= 1s - A aca

c → acalby

V = fs, cf T = fa, by

S -> a Ca -> aacaa -> aabaa

Parse free



	Type O any lable	TYPEL anbach	Type 2 = 010	Type3 of
	unrestricted	C S C	CFF	Regular Grammar
(d)	Recursively enumerable language	282	775	- Right linear & - 104 linear &
(a) (b)	7 m 8 -> 56 ab 58 -> 86 c 6 -> b The that halfs]	NDTM tape bounded lant time leng war ables. Iengthof B is at least as much of a, except san hot appear	0 80 < 60	(A) (A) (B) (B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C
		A 8 → 8 C C → a b C → b b	5 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5 2 AA B B B B B B B B B B B B B B B B B

 $\begin{array}{c}
0 & A \rightarrow 8 \alpha \\
8 \rightarrow c/c\alpha \\
c \rightarrow abe
\end{array}$

type 2

@ B→aB A→ BAC/abc type 2 Grammar

B A→AA A→Ab

type 2

@ s → alans
A → bs

Type 2 CFG

csa csa

(3) S → Aaj bb

Tyre3

A → ajb

B → ajb.

B $1-|a^nb^nc^n|n>1$ $5 \rightarrow abc|aAbc$ $A \rightarrow b^iAb \rightarrow bA$ $Ac \rightarrow Bbcc$ $bB \rightarrow Bb$ $aB \rightarrow aa|aaA$

Regular grammar type3

 $0 \Rightarrow bA|aB$ $A \Rightarrow bAA|aS|a$ $B \rightarrow aBB|bS|b$

CFG type 2

(B) S → 10A/01 A → 00A/1 Regular grannar