De chomsky chassitied the grammer into Fourty Res in terms of production (0-3)

In production of the Twomp MY -> & Y, where A is a variable of is called the left lument, It is the right context and of XY is replacement stoing.

Type 0

Tet G be type 0 grammas This we can find an Equivalent grammas & in which each production and eith of the grammas & in which each production and eith of the term & > p and B string of variousless, only , or of the term A > X where A is variousle and is a terminal

Type 1

A grammon is called type 1 or coment sensitive if all three

Production are type 1 production. The production $S \to \Lambda$ is also allowed

production are type 1 production. The production of appears in

in type 1 grammons but in their case 5 does not appears in

the right hand side I amy production.

The right hand side I amy production. Both left and right

A 7 a b A is a type 1 production. Both left and right

Low HMHS are Λ

A gramma's is called a type 2 grammer if it Contain

A gramma's is called a type 2 grammer if it Contain

only type 2 production. It is also called a language of context

as A can be replaced by & in any Context

A language created by a language or context for gramma's is called

type 2 production language or context for language. A type to 2

production is in the torm A -> & when A SVn and & E(VnVE)

In the other words L.H.S has no language a left culture

Eg -> S-> Aa, A-a, B-> abc

A production of the From A > a or A - ab where A,
BE Un and a SE is called type 3 production.

```
A grammar is called a type 3 regular grammar if all
 11/3 gradudion are type 3 production.
  Ey: 8 >1 production, 5-3 as In this last dees on A appear
 in PHS of any production.
    W1 = 5 051, 0A, 0,1B,17
    W2 = { OS1,00,004,0,11B,11]
    To test weather
       0011008 L(4)
        W-001100=> (w)=6
         wo= { S}
     W (= { OSI, OA, O, S, 1B, 1}
     W2 = 50,1,051, S,OA, 18 }
  W3 = { 0051,00A1 ,001,01B1,011,00A,00,11B,11,1},
   103 = (000511,000B1,001B1,0011,001F 20A10010B1111),000 A1,0613
         011,000 A,00,1111 B,111,11,17
   w 4 = { 000011,000111,00001,00001,00111,00111,01111)
           1 611,00000 A,00,11111 B,000001 11111,111,11,12
   Ws = { 000011,000111,000001,001111,01011,001,001,01111,01111,011
          00 0 A 100,11111B, 00000,11111,1111,111,117
   w1 = 1 w6 4
       : 001100 $ 50 800 1010$ we also
          010/08 Mr
       2) 001100,001010 à 01010 are. not generated by
        the given grammer.
(3) Type 2 grammar are used to Context- For grammars (
                              any contex from the product
   as a can be replaced by during
   Add), who A EVn and El Vn Ve)
  one possible comfort for grammon Combining future
  as many error as ones can be
         202021 (2021/20 | 212020 c-2
```







