Let  $G = (\Sigma, T, S, P)$  be a phrase structure grammar, where each production is of the form

$$w_1 \longmapsto w_2 \text{ or } S \longmapsto \lambda$$

The nonterminal symbols are  $N = \Sigma \setminus T$ .

A grammar is classified according to the restrictions on its  $w_1 \longmapsto w_2$  productions as follows

Type	Name	Restriction
3	(Regular)	$w_1 \in \mathbb{N} \text{ and } w_2 \in \mathbb{T} \text{ or } w_2 \in \mathbb{TN}$
2	(Context Free)	$w_1 \in \mathcal{N}$
1	(Context Sensitive)	$  w_1   \le   w_2  $
0		No restrictions