

$$G = (V_N, V_T, S, P)$$

V_N – alfabetul simbolurilor neterminale

V_T – alfabetul simbolurilor terminale

S – simbol de start

P – mulțimea de reguli (producții)

$$V_N = \{S, \text{DELETE_SYSTEM_FILES}, \text{PASS_PARAMETER}, \text{SYS_32_DIR}, \text{PATH_VALID_SYMBOL}\}$$
$$V_T = \{C:\backslash Windows\System32\, A, B\}$$
$$P = \{$$

S → DELETE_SYSTEM_FILES

DELETE_SYSTEM_FILES → <PASS_PARAMETER><CALL_DELETE_FUNCTION>

PASS_PARAMETER → LEA RCX, <SYS_32_DIR>

SYS_32_DIR → C:\Windows\System32\<PATH_VALID_SYMBOL>

PATH_VALID_SYMBOL → <PATH_VALID_SYMBOL>|A|B|C|D|E|F|G|H|I|J|K|L|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|.|€|<Character set (128 – 255)-{ “<” | “>” | “.” | ””” | “/” | “\” | “” | “?” | “*” }>

CALL_DELETE_FUNCTION → CALL qword ptr [KERNEL32.DLL::DeleteFileA]

$$\}$$

I should take care of the restrictions from

here(<https://learn.microsoft.com/en-us/windows/win32/fileio/naming-a-file>)

Character set (128 – 255) - <https://learn.microsoft.com/en-us/office/vba/language/reference/user-interface-help/character-set-128255>

<https://staff.fmi.uvt.ro/~mircea.dragan/docs/Limbaje2.pdf>