

For the given Context free grammar, write a recursive descent parser using any high level languages to generate the production rules used to derive the valid and invalid strings.

CFG production rules:

$S \rightarrow L = E$

$E \rightarrow L \mid E \& E$

$L \rightarrow I \mid i$

$I \rightarrow I, E \mid i \mid [E$

Test case: 1. $[i] = [i]$