Original Grammar:

E -> b

S -> iEtS | iEtSeS | a

Left Factored Grammar:

S -> a | iEtSS' S' -> eS | ε

Original Grammar:

S -> Sa | Sb | c | d

After Removing Left Recursion:

Original Grammar:

Original Grammar:

A -> aAB | aBc | aAc

Left Factored Grammar:

A'' -> B | c A' -> Bc | AA''

A -> aA'

B -> Cd

C -> At

A -> Br

After removing Left Recursion:

A' -> tdrA' | ε

B -> Cd

C -> At