

EBNF

$\langle \text{degisken} \rangle \rightarrow \$ \text{degisken_ismi}$

$\langle \text{sayi} \rangle \rightarrow \text{tam_sayi}$

$\langle \text{const} \rangle \rightarrow \langle \text{degisken} \rangle | \langle \text{sayi} \rangle$

$\langle \text{eger} \rangle \rightarrow [\text{eger}] \langle \text{const} \rangle \{ ? | > | < \} \langle \text{const} \rangle : \langle \text{operations} \rangle$
 $[\text{yada}] [\langle \text{operations} \rangle] [\text{bitis}];$

$\langle \text{operations} \rangle \rightarrow (\langle \text{term} \rangle)$

$\langle \text{term} \rangle \rightarrow \langle \text{factor} \rangle \langle \text{const} \rangle | \langle \text{factor} \rangle - \langle \text{const} \rangle | \langle \text{factor} \rangle$

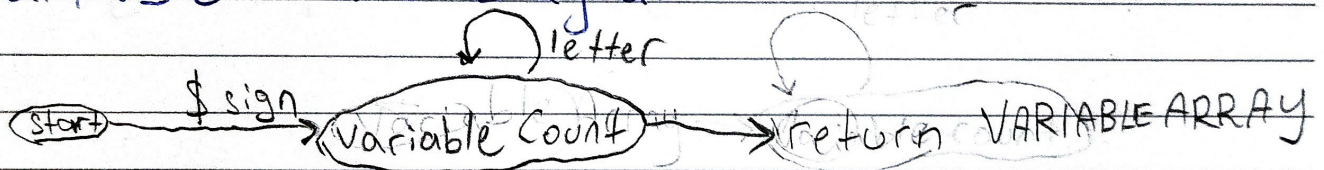
$\langle \text{factor} \rangle \rightarrow \langle \text{next operation} \rangle * \langle \text{const} \rangle | \langle \text{next operation} \rangle / \langle \text{const} \rangle | \langle \text{const} \rangle$

$\langle \text{next operation} \rangle \rightarrow \langle \text{operations} \rangle | \text{empty}$

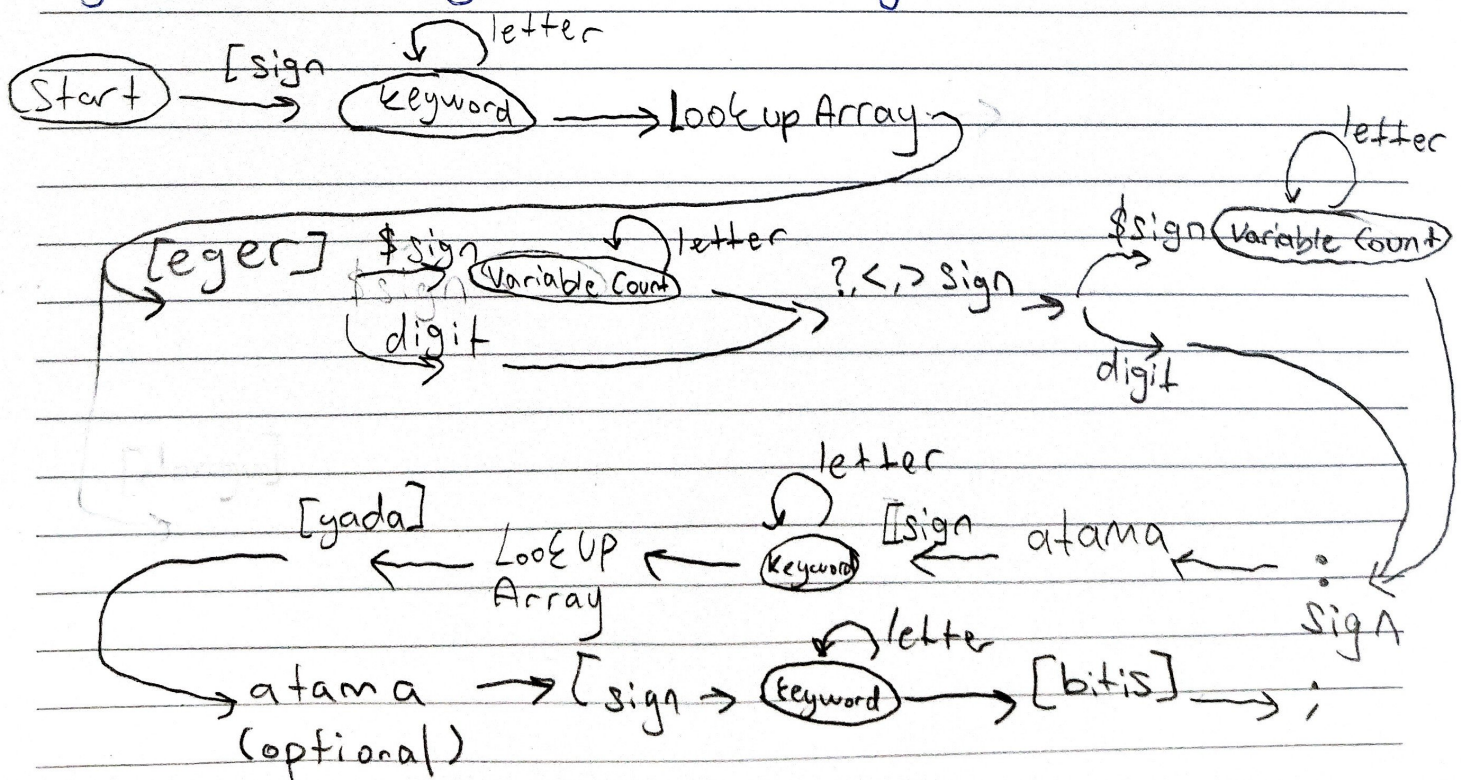
$\langle \text{dongu} \rangle \rightarrow [\text{dongu}] \langle \text{const} \rangle : \langle \text{operations} \rangle [\text{bitis}];$

$\langle \text{atama} \rangle \rightarrow \langle \text{degisken} \rangle = (\langle \text{const} \rangle | \langle \text{operations} \rangle);$

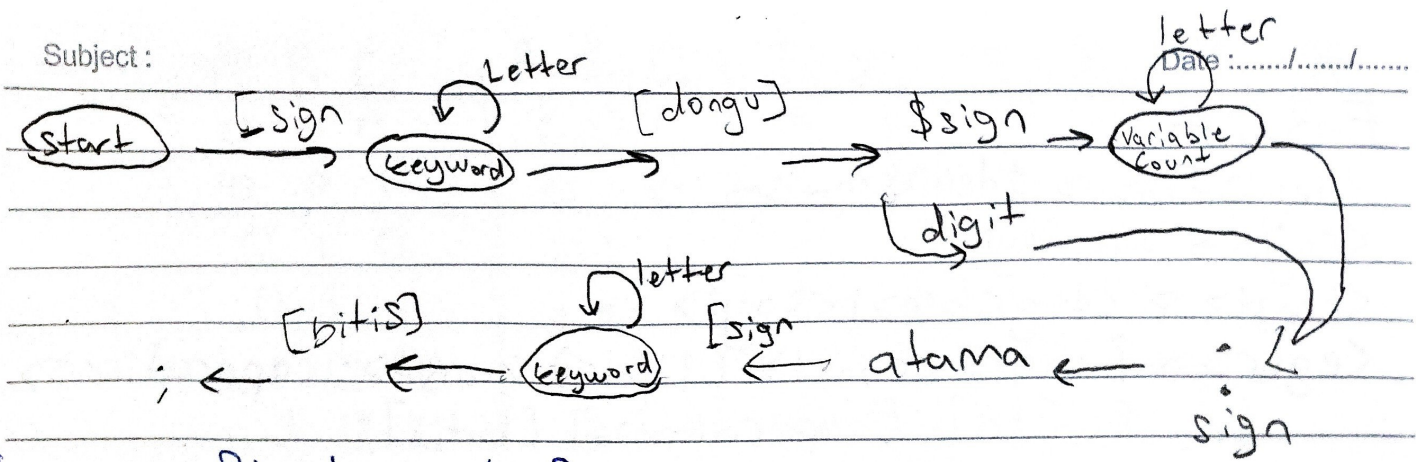
Variable State Diagram



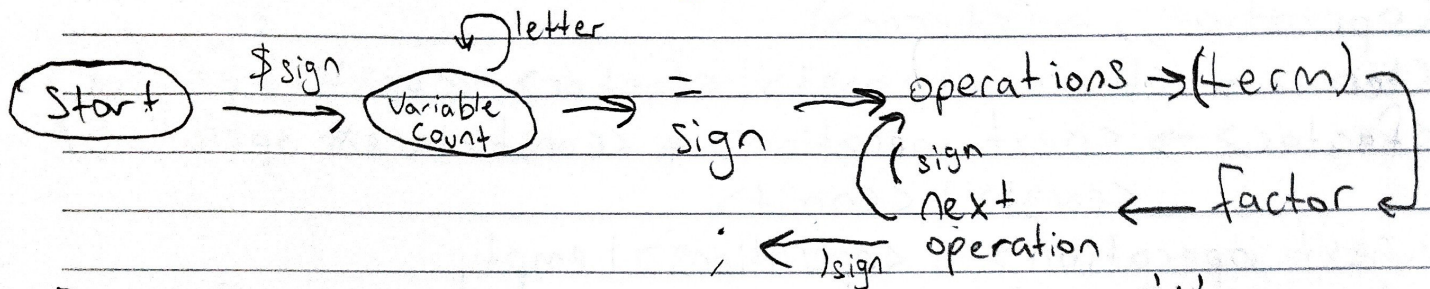
Eger and Dongu Statement Diagram



letter
Date :/...../.....



Atama Statement Diagram



It turns to operations when it detects new '(' sign arithmetic assignments must start with '(' also, it ends with ')' inner operations should be between '(' ')' operators. Therefore, user adjusts operation priority.