

position := initial + rate * 60

lexical analyzer

id₁ := id₂ + id₃ * 60

syntax analyzer

id₁ := + id₂ * id₃ 60

semantic analyzer

id₁ := + id₂ * inttoreal 60

intermediate code generator

temp1 := inttoreal(60)
temp2 := id3 * temp1
temp3 := id2 + temp2
id1 := temp3

code optimizer

temp1 := id3 * 60.0
id1 := id2 + temp1

code generator

MOVF id3, R2
MULF #60.0, R2
MOVF id2, R1

SYMBOL TABLE

1	position	...
2	initial	...
3	rate	...
4		