



Intermediate Code Generator

t1 = inttofloat(60)  
t2 = id3 \* t1  
t3 = id2 + t2  
id1 = t3

Code Optimizer

t1 = id3 \* 60.0  
id1 = id2 + t1

Code Generator

LDF R2, id3  
MULF R2, R2, #60.0  
LDF R1, id2  
ADDF R1, R1, R2  
STF id1, R1

Figure 1.7: Translation of an assignment statement