macro-example.asm

; (MACRO.ASM) Example program to show how to use macros (adg).

MLIST ON ; show macro expansions in listing

DATA EQU $4000 ; start of memory desired for data storage
CODE EQU $6000 ; start of memory desired for code storage

ADDER MACRO

LDAA \1 ; load from first location
ADDA \2 ; add in from second location
STAA \3 ; store to third location

ENDM

ORG DATA

NUM1 DC.B $10 ; allocate first location, init. to $10
NUM2 DC.B $20 ; allocate second location, init. to $20
NUM3 DS.B 1 ; allocate third location

ORG CODE

ADDER NUM1,NUM2,NUM3 ; (NUM3)<-(NUM1)+(NUM2)

BGND