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;Comp Arch 416

;Chapter 5 - problem 29

;

BR main ;Branch around data

num1: .BLOCK 2 ;Storage for one integer #2d

num2: .BLOCK 2 ;Storage for one integer #2d

;output num1 =

main: LDBA "n",i

STBA 0xFC16,d

LDBA "u",i

STBA 0xFC16,d

LDBA "m",i

STBA 0xFC16,d

LDBA "1",i

STBA 0xFC16,d

LDBA " ",i

STBA 0xFC16,d

LDBA " =",i

STBA 0xFC16,d

LDBA " ",i

STBA 0xFC16,d

;outputs input numnber

LDBA 0xFC15,d ;(Get number)

STBA num1,d ;(Output number)

LDBA num1,d

STBA 0xFC16,d

;new line(enter key)

LDBA "\n",i

STBA 0xFC16,d

;outputs num2 =

LDBA "n",i

STBA 0xFC16,d

LDBA "u",i

STBA 0xFC16,d

LDBA "m",i

STBA 0xFC16,d

LDBA "2",i

STBA 0xFC16,d

LDBA " ",i

STBA 0xFC16,d

LDBA " =",i

STBA 0xFC16,d

LDBA " ",i

STBA 0xFC16,d

;outputs -

LDBA "-",i

;outputs input number

STBA 0xFC16,d

LDBA num1,d ;(Get number)

STBA 0xFC16,d ;(Output number)

STOP

.END

