

07FC-07FE -- Not used

07FF 00 Byte for level of play storage

0800-0863 -- 100 bytes for computer board

## MLS - TEST LEGAL MOVE IN VA VB

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0864 F8 LDI
65 09
66 BC PHI RC ;Set RC=address sub handler @ 0918
67 F8 LDI ; to switch to R4 = PC
68 18
69 AC PLO RC
6A DC SEP RC ;Do sub--this sub begins running in R4
6B F8 LDI ;Set RA.1=base address computer board
6C 08 ; @ 0800
6D BA PHI RA ;RA.1=0A
6E F8 LDI ;Set R3=address of reference RA sub
6F 09 ; for addressing board squares with RA

0870 B3 PHI R3 ; " " " @ 0901
71 F8 LDI ; " " "
72 01 ; " " "
73 A3 PLO R3 ; " " "
74 D3 SEP R3 ;Do MLS--set RA per VA VB to board square address
75 0A LDN RA ;Get piece @ RA (@ board square VA VB)
76 3A BNZ ;If ≠ 00, square is not empty, branch
77 A5 ; to 08A5 to set illegal move flag & return
78 86 GLO R6 ;Get R6.0 which was set to address VA by refer sub
79 A7 PLO R7 ;Put in R7.0
7A 17 INC R7 ;Increment R7 to point to VB index (VY)
7B 06 LDN R6 ;Get VX index @ M(R(6))
7C FF SMI ;Subtract 01
7D 01
7E 56 STR R6 ;And return to M(R(6))
7F 07 LDN R7 ;Get VY index @ M(R(7))

0880 FF SMI ;Subtract 01
81 01
82 57 STR R7 ;And return to M(R(7))
83 F8 LDI ;Set RE.0=3=loop count #1 (main)
84 03
85 AE PLO RE
86 F8 LDI ;Set RF.0=3=loop count #2 (secondary)
87 03
88 AF PLO RF

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This sets up  
start point  
@ VX-1; VY-1