```
0916  A6  PLO   R6 ;R6.0=D (points to V1) (Highest byte on stack)
  17  06  LDN   R6 ;D=M(R(6))
  18  F3  XOR      ;Compare with top of stack
  19  32  BZ       ;If=, then skip next part
  1A  1E
  1B  F8  LDI      ;(Value must be < byte on stack if ≠)
  1C  00
  1D  56  STR   R6 ;M(R(6))=00 (store 00 to erase old value)
  1E  16  INC   R6
  1F  86  GLO   R6 ;D=R6.0

0920  FB  XRI
  21  F5           ;Test if R6 past V4 value
  22  3A  BNZ      ;If not, then continue
  23  17
  24  12  INC   R2 ;Reset stack pointer
  25  D4  SEP   R4 ;Return to Chip-8 control
```

PICK UP PAIRS SUB

```
0926  PICK  :F065 ;GET   -- "I" preset by caller--V0=possible pair in
  28         8F00 ;VF=V0 -- VF=the pair in V0                    eval
  2A         40FF ;SK≠FF -- But if=FF (no pair) do not skip next
  2C         00EE ;RET   -- Return (VF=FF=No pair)
  2E         F065 ;GET   -- Get next byte (possible 2nd pair or 3's)

0930         3E00 ;SK=00 -- If on 2nd pass (@ 06E0-0716) skip next
  32         8F00 ;VF=V0 -- Let VF=2nd pair (highest because of sort)
  34         00EE ;RET   -- Then return (VF=pair 1, pair 2 or FF byte)
  36         0000      FILLER
  38         0000      FILLER
```

MLS - CLEAR TEXT LINE

```
093A  F8  LDI      ;Clear memory bytes 0F50-0F8F
  3B  0F
  3C  BC  PHI   RC ;Set RC=0F50, the address
  3D  F8  LDI
  3E  50           ;the display message area
  3F  AC  PLO   RC

0940  F8  LDI      ;Load D register with 00 byte
  41  00
```