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0A1B 87 GLO R7 ;D=R7.0 (current i)
      1C 52 STR R2 ;Push for comparing
      1D 9F GHI RF ;D=RF.1 (last card address)
      1E F3 XOR ;Compare R7.0:RF.1
      1F 3A BNZ ;If ≠, branch to 0A11

0A20 11
      21 8E GLO RE
      22 32 BZ ;Branch if =0 to 0A31 (no matches)
      23 31
      24 FC ADI ;Else add 1 to value
      25 01
      26 FE SHL ;Else move count to high 4 bits
      27 FE SHL ;by shifting left four times
      28 FE SHL
      29 FE SHL
      2A 52 STR R2 ;Push for "OR"ing
      2B 0A LDN RA ;D=M(R(A)) Get card N (which has matches)
      2C FA ANI ;"AND" with 0F to strip suit
      2D 0F
      2E F1 OR ;"OR" with count on stack (byte packed)
      2F 5C STR RC ;M(R(C))=D Store in pairs area

0A30 1C INC RC ;RC=RC+1
      31 87 GLO R7
      32 AA PLO RA ;RA.0=R7.0 (advance to next unequal card)
      33 52 STR R2 ;but push value for comparing
      34 9F GHI RF ;D=RF.1 (get last card address)
      35 F3 XOR ;Compare RA.0:RF.1
      36 3A BNZ ;If ≠, branch to 0A0E (not done)
      37 0E
      38 F8 LDI ;Else store stop byte after pairs (or no pairs)
      39 FF
      3A 5C STR RC ;M(R(C))=FF
      3B 1C INC RC ;RC=RC+1 (RC=TA now)

      (RECOMMEND THROW OUTS)

0A3C 9A GHI RA ;D=RA.1 (hand high order address)
      3D BD PHI RD ;RD.1=D (RD = pairs pointer for this test)
      3E 9F GHI RF ;D=RF.1 (get address of last card)
      3F FF SMI ;D=D-04 (subtract 04)

0A40 04
      41 AA PLO RA ;RA.0=D (reset RA to first card)
      42 8F GLO RF ;D=RF.0 (get saved pairs address)
      43 AD PLO RD ;RD.0=D (RD = pairs pointer)
      44 0D LDN RD ;D=M(R(D)) (get a possible pair value)
      45 FB XRI ; (but test if = FF stop byte)

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