

Is She/He Really Going Out with Him/Her/Them!

PASS 1 ⁰⁰⁸ *Am* ^(B)
 PASS 2 *@ 70.76*
works
Unit 1E 30-33
 IS SHE/HE?

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==0000
; DECEMBER 27, 1981
; FILE 'ISHE'

; FOR 16 CHANNELS OF
GATED NOISEMAKERS
; VIA3 DETECTS COINC
IDENCES
; VIA2 CONTROLS VCAS

; VIA2
==0000 VCAHI=#A800

==0000 VCALO=#A801

==0000 DDRB2=#A802

==0000 DDRA2=#A803

; VIA3
==0000 EDGHI=#AC00

==0000 EDGLO=#AC01

==0000 DDRB3=#AC02

==0000 DDRA3=#AC03

==0000 BEEP=#8972

==0000 HIOLD
    *#+1
==0001 HINOW
    *#+1
==0002 LOOLD
    *#+1
==0003 LONOW
    *#+1
    
```

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==0004
    *#0300
==0300
; INITIALIZE VIAS AND
ZERO PG.
==0300 INIT
78 SEI
; VIA2=OUTPUT
A9FF LDA #FF
8D02A8 STA DDRB2
8D03A8 STA DDRA2

; VIA3=INPUT
A900 LDA #00
8D02AC STA DDRB3
8D03AC STA DDRA3
==0311
; SILENCE VCAS
8D00A8 STA VCAHI
8D01A8 STA VCALO

; CLEAR REGISTERS
8500 STA HIOLD
8501 STA HINOW
8502 STA LOOLD
8503 STA LONOW

; CHECK COINCIDENCES
; FIRST CHECK HI BYTE
(VIA3, PORT B)
==031F HIGH
AD00AC LDA EDGHI
8501 STA HINOW
; NO BITS SET?
F01C BEQ LOW
; DEBOUNCE
C500 CMP HIOLD
F018 BEQ LOW

; COUNT BITS SET
A0FE LDY #FE
A207 LDX #07
==032E COHI
4A LSR A
9001 BCC NEXHI
C8 INY
==0332 NEXHI
CA DEX
10F9 BPL COHI
    
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; COMPLEMENT VCAHI
==0335 COMHI
98 TYA
; <2 BITS SET?
300A BMI LOW
A501 LDA HINOW
8500 STA HIOLD
4D00A8 EOR VCAHI
8D00A8 STA VCAHI

; DO SAME FOR LOBYTE
==0342 LOW
AD01AC LDA EDGLO
8503 STA LONOW
F0D6 BEQ HIGH
C502 CMP LOOLD
F0D2 BEQ HIGH

A0FE LDY #FE
A207 LDX #07
==0351 COLO
4A LSR A
9001 BCC NEXLO
C8 INY
==0355 NEXLO
CA DEX
10F9 BPL COLO

==0358 COMLO
98 TYA
30C4 BMI HIGH
A503 LDA LONOW
8502 STA LOOLD
4D01A8 EOR VCALO
8D01A8 STA VCALO

; RETURN
4C1F03 JMP HIGH
==0368
    END
    ERRORS= 0000
    
```