Simon INIT/ GAME 8-6-23 316220 SP, 20C2h 2000 LXI 3 E F F D 3 0 2 AFFh Set up ports 2003 MVI 024 Lights ODR 2005 OUT 3EF0 0303 2007 AOFS MVI Switch DDR 2009 OVT 034 3 E 00 200B MVI A, 00h turn off lights 2000 004 D3 00 OVT 0301 200F 014 Clear unused sw DUT O4 GAME: INR B Random seed" 2011 CA1120 JZ GAME 2012 DBOI IN 014 Buttons 2015 OFh 2017 EEOF XRI Pressed? JZ CA1120 6AME CIPLAY OE OI 2016 MVI # of slaps CD302011 201E CALL 2021 2024 2025 2028 C05020 CALL Add and harslep INR OC 21E20 JNZ You win !! RST

Simon PLAY/REC 8-6-23 PUSH BC 2030 2031
2032
2035 MOV AB STA L'ESR Reset RN6 sand 32A428 UCALL NEXT CD0028 CALL SHOW CALL TONE 2038 203B CD 2028 CD 6028 00 C23520 DCR C1 C1 POP BC 203E 2042 2043 C 9 RET REC 2050 PUSH C5. BC MOVA 78 32 A428 2051 MOV AB STA LESR 2052 CD30284CALL RDREY 2055 bet guess MOV Save guess 2059 C00028 CALL NEXT Get correct color SHOW 205C CD2028 Show it CALL B8 C26C20 CMP B JNZ LOSE 205F Correct? 2060 CD6028 TONE 2063 CALL Play Correct tomp Next step 2066 0 D DCR C25520 JNZ 2067 C 1 POP BC 206A RET 206B LOSE MVI A,4 CALL TONE JMP INIT 206C 3E04 206E CD6628 2071 C30020 Play buzz Reset

RNG Roulines 8-6-23 Simon PUSH CALL BCNYBIT RAL BA Stash in B MOV CALL WXBIT 2809 2804 280B MOV RAL Rostore Mack off Junt 03h 280D 280E RET NXB17 3AA428 LDA 280F LFSR 2812 2813 2816 2818 OF RRC D2 1928 TNC EEOE XRI 37 3AA428415TA 28 Flip 61/5 1,2,3 Return 1

Somon 5 HOW 2820 2820 2822 2823 2823 2827 2827 PUSH AF F5. PUSH BC MOV CA A,O LIRAL OD DCR 2828 282B F22628 JP 004 D3 00 OUT 282 D 282 F 282 F POP BCAF PO P RET ROKEY PUS # BC C5NVI Loop 256 Hings C, 0 0E00 oth DBOI Read Switches XRI EE OF Pressed! C24928 JNZ L2 11 B5 09 CDF1 05 DELAY 19.5 ms LXI CALL  $\mathcal{O}\mathcal{D}$ DCR C23328 JNZ 3 E 0 4 C 3 5 4 2 8 A,4 Timport MVI DMP 0 0 0 0 Court buts L2MVI OF L3RRC DA5328 Found it ナし INR OC 28857 C34B28 L3 JMP 79 LYMOV A,C Relvin Count LSPOP BC C 9 2855 RET

8-6-23 Somon Sound TONE F5 PUSH AF 2860 862 PUSH LXI BC HL, TTBL Look up table RLC 066789ABCDE RLC 07 ADD 6 F 4 E MOV AC-Duration MOV CIM HL INX 142525DEDDD BM MOV INX DE = 12 portod 5,M INX LIIN topole spkr XRI 10h OUT PUSH DELAY CDF105 OB BC 287 MOV ORA BO C27028 2883 2886 2886 Lights off D300 11924A OUT DE, 19090 LXI 150ms CALL DELAY CDF105 2889 288A 288B POP BC POP

Simon Ortg 8-6-23 Tone Info Color 141f period 285 Note Frequ Dural ion 2890 Red 2300 220 189 2894 Blue EY C#4 277 2898 Yellow 382 1730 289C 6 reen 72 BUBZOC TTBL 2899 2894 2896 2890 280 DC001D01 4A01BD00 1501 E200 A5007E01 4800C206 28A4 QO Sxm bols INIT 2000 2030 2050 2800 PLAY REC NEXT 2830 SHOW RDKEY TONE 2890 28A4 T+BL LFSR