



June 8, 1981

Dear PPC Member,

I have enclosed information on assembly programming the HP-41C/V because you have shown interest in this subject. The four page write up of what has been accomplished to date was prepared for a Chicago Chapter meeting I attended while visiting the CES show May 31 thru June 3. The four pages of ROM zero listing is only the first of such listings to be pasted up.

Jim De Arras has made a major break through by designing and building an EPROM box and computer interface to his HP-41C. The ROM listing was made using his "DUMP" program modified to add the CHR - character - column. The choice of what character to "match up" with a given eight bit byte was made based on the work of Tom Cadwallader, Charles Close, Robert Groom, and John McGeehee. The "look up" table was based on the table found on page 57 of "PPC Technical Notes", V1N6, February 1981.

This material is being sent to you so you can study it and add to the body of knowledge that presently exists in the heads of a few users. Let's start a series of articles for the June issue of PPC CJ.

ROM addressing is organized as four nibbles with the first nibble determining a specific ROM (15 ROM's maximum?). Table 1 shows this.

T A B L E 1 .

0 - Internal ROM	8 - lower 4K of PORT 1.
1 - Internal ROM	9 - upper 4k of PORT 1.
2 - Internal ROM	10 - lower 4K of PORT 2.
3 - Not scanned???	11 - upper 4K of PORT 2.
4 - Service Module	12 - lower 4K of PORT 3.
5 - Future ROM?	13 - upper 4K of PORT 3.
6 - 82143A Printer	14 - lower 4K of PORT 4.
7 - Future ROM?	15 - upper 4K of PORT 4.

Each 4K runs from N000 thru NFFF where the first nibble is as described in table 1. The second nibble may be thought of as being a "page" of memory. Each ROM is composed of 16 pages of 256 words. ROM words are not bytes because they are 10 BITS each. The DTA (Data) at each address is ten bits. The first HEX character is the first two bits and whether the following byte(s) is treated as 41 language or Assembly Language. For this reason the left character of the DTA column only runs from 0 to 3.

Read ROM contents from bottom up. When I get more time I will paste up other ROM's and will send you a copy if you send a SASE marked "Send ROM listings". Let's get these details on paper.

X  $\rightleftharpoons$  Y  
Richard Nelson

## Microcode Assembly Language Programming the 41C

The HP-41C/V is a microprocessor based computational device that uses three, 4K ROM's to make it a programmable scientific calculator. The "memory" of the 41C/V consists of five, 16 register RAM's that provide operating scratch registers (status registers) and program memory. The interested reader may refer to the *Hewlett-Packard Journal*, March 1980 issue for additional technical details.

The discovery of techniques to recall from and store into the 41C/V system scratch registers has led to a level of programming called Synthetic Programming. Synthetic Programming is the use of instructions that are not normally keyable from the 41C/V keyboard. These instructions are synthesized in memory and were not designed to be executed. All the effort to date has been in exploring the 41C/V on a systems level using synthetic programming. The 41C/V microprocessor, however, executes an instruction set of its own. The synthetic instructions discovered to date are part of the higher level natural "RPN" language. The microprocessor instruction set is a much simpler lower level language.

The ROM's that contain the algorithms that compute the sin of an angle, for example, are not programmed in the 41C/V natural language. The user keys in "SIN" in his program, but the microprocessor computes the sin using what is often called microcode instructions. Perhaps a better term to use in describing the programming that is done in the mainframe ROM's is Assembly Language Programming. Ultimately the ROM is filled with machine language 1's and 0's. Humans can't think efficiently in long strings of base 2 numbers and prefer a language composed of mnemonics. This short discussion will provide a brief description of recent work being done in Assembly Language Programming on the HP-41C. This is the last Frontier for the user to cross to achieve complete understanding of the marvelous box called an HP-41C/V calculator.

Assembly Language is nothing more than a list of instructions that are placed into memory and executed by the 41C microprocessor as such. The roots of assembly language programming is found in techniques developed by Bill Wickes (3735), Tom Cadwallader (3502), Charles Close (3878), John McGechie (3324), and others. It is possible to write synthetic programs that display the contents of the internal three ROM's. The analysis and clever speculation of the contents of these ROM's provided increased understanding of the 41C/V system. When PPC started designing its own custom ROM the knowledge and understanding of the system that HP provided to build the ROM image came from 41C ROM decoding. Would HP's software systems that process the ROM image accept these instructions? What can we do to obtain maximum use of every ROM word? The answers to these questions are now well known.

Once the PPC ROM was completed a new form of ROM attracted our attention. This ROM was called EPROM or Electrically Programmable Read Only Memory. EPROM technology is well known and "burning" EPROM's is almost as easy as getting a flat tire fixed; you just have to go to the right place. Could an EPROM be connected to the 41C/V? HP demonstrated that the answer was yes, and it wasn't long before a PPC member designed and built an EPROM interface using 16 standard IC's. Hopefully this device, which is often called an EPROM box, will be demonstrated here today. HP built the first HP-41C/V EPROM box in a chassis measuring 2.75"x11.25"x9.25" HWD and weighing 3 lbs. 7 oz. American Micro Products is building a much smaller version and will be offering it to the general public. Estimated cost of an 8K EPROM BOX with Programmed EPROM's is \$300 to PPC Members (200 pieces ordered). The importance of EPROM is that it provides a medium for assembly language programming on the HP-41C/V. The first problem that had to be overcome was the understanding of the 41C/V addressing scheme that told the microprocessor to read certain bits as assembly language and not as 41C/V language. The user community ranging from Australia to the U.S. East Coast is accepting the challenge to discover the microprocessor instruction set, determine its characteristics and document it so others may take advantage of this programming mode. When EPROM boxes become readily available in a few months many users will be able to create their own 8K programs at a cost of \$300 rather than the HP Custom ROM cost of \$20,022.00.

The advantages of Assembly Language Programs in EPROM are many. Here are a few.

1. Lowest cost for low quantities.
2. Easily changed or updated at very low cost.
3. Faster operation. The PPC ROM "NH" routine, for example, takes 5-7 seconds to decode the X register. A similar Assembly Language routine executes in  $\frac{1}{4}$  second.
4. Increased memory usage is obtained because the internal microprocessor scratch registers can be used. The routine described in 3. above doesn't disturb the stack, the synthetic version does.
5. Fewer bytes. The ROM version of "NH" uses 120 bytes, the EPROM version uses 98 bytes.
6. Increased accuracy is possible because the microprocessor operates at the bit level and the clever programmer may take advantage of this.

For many users such as surveyors, Insurance salesmen, and those involved in data acquisition EPROM offers the ability to place all their programs in EPROM and use their 2.2K of RAM for Data. (Using switched QUAD's up to 16K of Data space is possible). The above is obviously all the advantages. What are the disadvantages? There are a few.

1. HP does not support Assembly Language and has no plans to do so.
2. HP presently will not make custom ROMs from an EPROM image. There is a slight chance that this may change in the future-- it's really easier for them.
3. Very few users have the skills and background to program in Assembly Language unless PPC produces the necessary documentation.
4. The EPROM box is an extra accessory that, although smaller than the 41C/V printer, is inconvenient to carry around. It has its own battery which must be recharged, etc.

The number of user community written, debugged, and tested assembly language routines is less than twenty. This is most remarkable, however, when you consider that the complexity of the task is like trying to view a movie on a video disc with a magnifying glass. Is it possible? Can it be done? What is the future prospects for PPC members? The answers are Yes, Yes, and unlimited. Here is what has been accomplished to date.

1. Complete listings of Mainframe ROM's 0, 1, and 2, card reader, printer, and service module.
2. Obviously from 1. above any HP ROM may be "read", changed, and transferred to EPROM to meet the needs of the user.
3. 95% of the single word microprocessor instructions have been identified and explored.
4. A low cost, low power, small size EPROM box is being designed and may be offered for sale. AMP is expected to offer their model in a few weeks.
5. The following routines have been run in a prototype EPROM box.

<u>Label</u>	<u>Bytes</u>	<u>Remarks</u>
1. X<>ROM	22	Binary ROM address in X. Returns 10 BITS ROM data to X, Adds 1 to address in last X.
2. Y<>T	13	Handy stack manipulation.
3. Z<>T	13	Handy stack manipulation.
4. Y<>Z	13	Handy stack manipulation.
5. BCD BIN	17	Calls HP's routine. 3D in X converted From BCD to Binary.
6. RXR	10	Rotate X right 1 digit.
7. RXL	10	Rotate X left 1 digit.
8. X+Y	14	Binary addition of X and Y. (NNN Add).
9. SXL	10	Shift X left 1 bit, 0 shifted in.
10. NSTO	28	Non Normalized store relative to R00. If negative store is absolute register.

11.	NRCL	31	(Reg. # in X, data in Y, RCL's to X, Reg. # in last X). Non Normalized recall relative to R00.
12.	TP	--	PPCROM routine, programmable tone.
13.	VP	--	PPC ROM routine, variable Pause.
14.	NS	--	PPC ROM routine, Non-Normalized store.
15.	NR	--	PPC ROM routine, Non-Normalized recall.
16.	CODE	86	Alpha converted to X as NNN--no stack change.
17.	DECODE	98	X decoded to alpha.
18.	GTO ROM	11	Address in X, resumes execution in ROM assembly language. Will be improved to address either 41C/V language.

This short report cannot be specific and detailed because the average user isn't interested, and so far much of the details are in the heads of half a dozen PPC members who are moving forward too fast to document. A major report with technical details is planned for the June issue of the *PPC Calculator Journal*. What is possible in the future? What can PPC do to open new applications and solutions to an ever expanding range of problems for its members? Here is one obvious idea--A PPC EPROM. As more and better routines and programs are developed a "never obsolete" EPROM collection could be assembled. Increased alpha handling capability, an expanded unit management system and a true programmable size are only a few ideas. New languages such as BASIC or better, FORTH, is possible. The latter is natural to the RPN user and Corvallis has shown very little interest in FORTH. With EPROM the full power of the 41C/V may be exploited and anything is possible.

Richard Nelson (1)

QUESTION: How many members here today would be interested in buying an EPROM Box if the cost would be about \$200 + \$50. The EPROM's and programming is estimated to be about \$100 + \$15.

0000 281 A	0063 203 C	0008 000 0	012D 1E0 F	0192 060 F	01F7 350 F	025C 0EF 4	02C1 0AE .	0326 23C <	0388 350 F	03F0 000 0	0455 093 S
0001 066 F	0065 0E3 C	000A 013 S	012F 266 .	0194 171 a	01F9 3C5 e	025E 130 0	02C2 08E H	0327 18E >	038C 304 D	03F1 000 0	0456 308 H
0002 285 S	0066 0DE .	000B 000 0	0130 328 <	0195 01C \	01FB 002 B	025F 0FA 0	02C4 01E +	0329 013 S	038E 149 a	03F3 000 0	0458 09C \
0003 066 F	0067 148 *	000C 005 Z	0131 01C \	0196 268 *	01FB 384 B	0260 03C <	02C5 1C6 *	0329 23C <	038F 024 \$	03F4 000 0	0459 306 F
0004 04E Z	0068 143 C	000D 050 L	0132 270 +	0197 159 e	01FC 390 X	0261 130 0	02C6 03F ?	0328 2EA 0	0399 308 8	03F5 000 0	0459 013 S
0005 270 F	0069 2C8 *	000E 0EE Z	0133 038 0	0198 024 \$	01FD 03C <	0262 0EE Z	02C7 24C *	032C 3F3 C	0391 358 F	03F6 000 0	0458 304 B
0006 0F8 Z	006A 23B *	000F 004 d	0134 11B L	0199 130 0	01FE 348 C	0263 368 F	02C8 0C3 C	0328 158 F	0392 17C *	03F7 000 0	045C 310 J
0007 158 T	006B 243 C	000G 003 C	0135 22E *	0199 094 E	01FF 250 +	0264 003 C	02C9 0AE E	032E 0AE E	0393 308 F	03F8 000 0	045D 014 T
0008 298 X	006C 248 *	000I 388 0	0136 328 <	0198 106 F	0200 360 *	0265 22E .	02C8 01A Z	032F 06E Z	0394 304 D	03F9 000 0	045E 011 G
0009 056 *	006D 253 C	0002 17C *.	0137 18C \	019C 3CC *	0201 058 F	0266 328 <	02C9 1C6 \	0328 308 F	0395 308 F	03FA 000 0	045F 084 4
000A 284 D	006E 258 *	0003 358 F	0138 320 0	0198 04F 4	0202 320 <	0267 278 +	02C9 003 0	0331 053 C	0396 0FC *	03FB 000 0	0458 196 F
000B 308 F	006F 28D =	0004 28C L	0139 0EB .	019E 130 0	0203 309 I	0268 04E Z	02CD 06E Z	0332 0CE Z	0397 308 F	03FC 000 0	0461 309 G
000C 14C *	0070 082 Z	0005 333 3	013A 133 3	0199 008 L	0204 01E +	0269 09C *	02CE 130 0	0333 238 <	0398 304 D	03FD 000 0	0462 01C *
000D 058 *	0071 151 a	0006 093 C	0138 308 0	0198 381 I	0205 308 C	026A 310 P	02CF 008 H	0334 330 0	0399 204 D	03FE 000 0	0463 006 G
000E 08C L	0072 000 0	0007 180 0	013C 398 X	01A1 09C \	0206 3CC *	0268 130 0	02D0 0EE Z	0335 33C <	039A 308 F	03FF 000 0	0464 308 F
000F 048 *	0073 2E3 C	0008 170 F	013D 348 <	0192 146 t	0207 260 +	026C 028 <	02D1 04E Z	0336 046 +	0398 37C *	0400 088 B	0465 280 L
0010 04C *	0074 10E N	0009 303 F	013E 300 F	0193 046 *	0208 300 C	0269 308 (	02D2 270 +	0337 0FC *	039C 084 D	0481 003 0	0466 073 C
0011 038 *	0075 21C \	000A 005 Z	013F 000 0	0194 309 I	0209 350 F	026E 04E Z	02D3 22E <	0338 066 Z	0399 398 X	0482 008 +	0467 294 D
0012 31C *	0076 350 *	000B 058 *	0140 043 C	0195 01E +	0206 270 +	026F 270 +	02D4 23C <	0339 21A Z	039E 308 (	0483 008 0	0468 308 F
0013 042 b	0077 316 V	000C 0EE Z	0141 083 C	0196 120 0	0208 220 +	0270 29C *	02D5 186 F	0339 306 *	0394 083 3	0469 304 D	0470 000 0
0014 270 F	0078 285 S	000D 004 d	0142 063 C	0197 01C \	020C 169 *	0271 090 P	02D6 3F3 C	0338 03C <	0390 194 D	0485 088 +	0466 066 *
0015 070 *	0079 023 S	000E 033 3	0143 043 C	01A8 1E2 B	020D 106 L	0272 310 P	02D7 013 S	033C 0ER A	0391 041 a	0486 003 0	0468 3D8 =
0016 038 *	0080 011 Q	000F 388 B	0144 023 0	01A9 015 U	020E 376 F	0273 05C *	02D8 1EE Z	033D 338 B	0392 000 0	0487 098 0	0466 010 C
0017 048 *	0082 00C L	000G 007 C	0145 038 0	0198 032 2	020F 17C *	0274 11B P	02D9 166 +	033E 0CR S	0393 1F9 C	0488 093 S	0460 009 I
0018 0AE *	0087 00C L	000E 158 F	0146 37C F	0191 320 P	0210 366 *	0275 210 P	02DA 0F3 C	033F 328 (	0394 00C L	0489 0F8 *	0466 000 0
0019 378 F	0087 10E N	0002 28C L	0147 003 C	0192 100 F	0211 046 +	0276 348 (	02DB 0EE Z	0340 3E0 +	0395 385 E	0490 103 0	046F 204 D
0020 03C C	0087 093 S	0003 2C3 C	0148 038 0	01A0 001 A	0212 18C <	0277 088 B	02DC 3B8 B	0341 244 d	0396 18C <	0488 0F3 D	0470 202 *
0021 286 F	0087 304 C	0004 078 F	0149 0FC F	01A0 100 0	0213 266 *	0278 130 0	02DD 0AE *	0342 1E2 b	0397 308 0	0480 103 C	0471 014 T
0022 070 F	0088 003 C	0005 048 (	0149 06B .	01A1 200 F	0214 270 +	0279 006 F	02DE 130 =	0343 033 3	0398 358 F	0480 128 +	0472 066 *
0023 199 *	0089 070 F	0006 048 E	0148 038 0	01A5 015 U	0215 030 S	0279 399 Y	02DF 002 B	0344 149 +	0399 304 P	0481 123 0	0473 018 B
0024 284 D	0090 188 H	0007 062 C	0152 07C *	0197 09C \	021C 007 7	0281 086 t	02D5 065 C	0345 004 *	0399 000 0	0486 3C9 *	0474 308 F
0025 398 C	0091 361 a	0008 395 S	0153 023 0	0198 200 L	021D 250 F	0282 130 C	02E1 088 H	0346 359 *	0398 004 D	0481 012 P	0475 196 F
0026 276 *	0092 058 F	0009 078 F	0154 038 0	0199 035 F	0218 250 F	0273 169 *	02E2 052 E	0347 004 *	0399 000 0	0486 016 V	0476 176 E
0027 276 *	0093 088 F	0009 078 F	0155 188 H	0198 388 0	0219 038 0	0276 166 F	02E3 227 Z	0348 018 L	03AD 309 F	0412 0CF A	0477 130 0
0028 219 Y	0094 365 E	0001 260 F	0156 23C <	0198 046 *	0220 388 0	0277 378 F	02E4 27E Z	0349 149 a	039E 188 0	0413 106 +	0478 066 *
0029 008 H	0095 050 B	0002 000 F	0157 300 L	01BC 17C *	0221 358 K	0286 100 H	02E5 17C *	0350 389 I	0395 180 C	0414 063 C	0479 306 F
0030 094 E	0096 3C4 d	0003 048 E	0158 018 L	01BD 358 F	0222 0CC *	0287 22C *	02E6 356 *	0351 205 E	0396 000 0	0416 285 S	0478 008 *
0031 259 Y	0097 050 F	0004 270 F	0159 340 -	0198 384 D	0223 340 F	0288 01F -	02E7 360 F	0352 158 F	0397 3C1 a	041C 289 I	0481 014 T
0032 004 J	0098 188 C	0005 028 F	0160 248 F	0198 024 C	0224 340 F	0289 040 C	02E8 052 E	0353 253 C	0398 000 0	0410 012 P	0478 018 E
0033 285 S	0099 070 C	0006 038 0	0161 184 C	0198 000 H	0224 338 0	0290 040 C	02E9 184 D	0354 253 E	0398 000 0	0411 130 0	0476 016 V
0034 056 V	0099 308 F	0007 000 H	0162 01C L	0197 388 0	0225 305 e	0291 330 0	02E9 046 +	0355 308 F	0398 000 0	0412 000 0	0477 000 0
0035 180 M	0099 300 C	0008 000 F	0163 080 L	01CA 204 d	0220 01C L	0292 086 G	02F0 270 +	0356 050 F	0398 180 C	0413 106 +	0478 066 *
0036 094 E	0099 377 *	0009 0F0 C	0164 076 F	0198 378 F	0222 042 b	0293 186 F	02F2 23C <	0357 308 F	0398 000 0	0421 086 F	0486 011 E
0037 015 U	0098 130 0	0100 2EC *	0165 000 L	01CA 0EE Z	0222 042 Z	0294 186 J	02F2 000 F	0358 000 0	0398 000 0	0422 166 F	0487 130 0
0038 096 V	0099 000 H	0101 023 0	0166 130 0	01CB 044 F	0225 046 +	0295 000 L	02F2 186 F	0359 000 0	0398 000 0	0423 000 0	0483 3D0 *
0039 089 D	0099 308 F	0102 28C L	0167 189 I	01CC 00F ?	0226 046 +	0296 033 0	02F6 047 +	0355 308 F	0398 000 0	041F 091 Q	0484 060 C
0040 053 C	0092 014 T	0103 000 F	0168 140 T	01CD 10E H	0226 1BC <	0298 330 0	02F6 186 L	0356 050 F	0398 000 0	0416 130 0	0483 000 0
0041 023 B	0093 27C *	0104 083 C	0169 320 F	01CD 043 C	0227 030 0	0298 330 0	02F1 186 H	0356 199 X	0398 000 0	0420 002 0	0485 250 *
0042 219 Y	0094 330 0	0105 003 F	0170 248 F	01CD 03C F	0228 266 *	0298 226 E	02F2 2FC *	0357 308 F	0398 000 0	0421 086 F	0486 011 E
0043 008 H	0095 050 F	0106 038 F	0170 030 C	01CD 003 F	0229 226 F	0298 226 E	02F3 186 L	0358 23C <	0398 000 0	0422 166 F	0487 130 0
0044 044 E	0096 004 d	0107 000 F	0170 184 F	01CD 004 d	0230 070 F	0298 270 F	02F4 027 B	0359 308 F	0398 149 a	0423 310 J	0488 078 F
0045 258 F	0097 04F 4	0108 000 H	0173 240 C	01CD 004 d	0230 366 F	0299 308 F	02F5 2FC *	0359 308 F	0398 000 0	0424 014 T	0489 306 F
0046 276 F	0098 005 Z	0109 018 X	0174 032 F	01CD 004 E	0230 290 C	0299 350 F	02F6 047 +	0360 286 F	0398 000 0	0425 066 E	0488 007 C
0047 058 F	0098 050 F	0110 366 *	0175 130 0	01DA 2F0 F	0230 328 (	0299 040 C	02F7 348 B	0361 308 F	0398 000 0	0428 343 C	0489 003 F
0048 162 C	0099 004 d	0111 321 I	0176 051 a	01DB 0FC C	0230 324 d	0293 309 F	02F8 000 F	0362 358 F	0398 000 0	0429 000 0	0489 366 F
0049 018 L	0099 007 F	0112 046 C	0177 266 *	01DB 056 F	0231 044 E	0294 244 F	02F9 000 F	0363 308 F	0398 000 0	0430 308 F	0489 130 0
0050 098 X	0094 008 E	0113 130 0	0178 308 C	01DB 004 E	0231 046 +	0294 244 F	02F9 000 F	0364 365 S	0399 308 0	0422 000 0	0493 170 0
0051 01C J	0095 008 Z	0114 082 B	0179 077 C	01DE 051 a	0230 309 F	0294 000 H	02F9 000 E	0365 180 F	0398 000 0	0424 000 0	0488 071 0
0052 245 e	0096 000 F	0115 366 *	0180 000 0	01EB 044 d	0230 244 F	0295 350 F	02F9 000 F	0366 180 F	0398 000 0	0425 000 0	0489 246 *
0053 002 B	0097 358 F	0116 02F 2	0181 044 d	01EB 007 G	0230 244 F	0296 184 F	02FA 21C \	0370 308 F	0398 000 0	0426 000 0	0489 308 F
0054 086 E	0098 000 F	0116 000 H	0182 000 H	01EC 130 0	0231 2F0 F	0296 184 F	02FB 186 L	0371 197 C	0398 000 0	0427 000 0	0489 065 F
0055 282 L	0098 000 F	0116 051 U	0182 005 U	01ED 270 F	0232 040 B	0297 130 F	02FD 186 L	0372 197 C	0398 000 0	0428 000 0	0489 308 F
0056 340 F	0098 000 F	0116 050 F	0182 000 H	01ED 000 F	0232 040 B	0297 040 B	02FD 186 L	0373 008 B	0398 000 0	0429 000 0	0489 308 F
0057 204 D	0098 047 F	0116 000 F	0182 000 C</td								

048R 148 F	051F 106 F	0584 130 0	05E9 04E Σ	064E 3D4 d	0683 186 F	0718 080 0	0770 176 0	07E2 228 C	0847 3EE Σ	088C 3E0 F	0911 180 F
048B 15C P	052B 3D9 e	0585 020	05EA 200	064F 008	0684 130 0	0719 181 1	0772 176 0	07E3 1E8 Γ	0848 30C L	088D 21C \	0912 013 S
048C 042	0521 01C \	0586 3E8 Γ	05EB 046 t	0650 395 e	0685 034 4	0719 08C <	077F 08C <	07E4 1A0 C	0849 231 1	088E 0AE .	0913 300 F
048D 1E2 b	0522 31C \	0587 149 e	05EC 10E H	0651 07C p	0686 184 D	0718 149 e	0780 358 Γ	07E5 098 X	084A 823 0	088F 058 Γ	0914 3DC P
048E 017 H	0523 162 b	0588 024 \$	05ED 23C <	0652 333 3	0687 366 *	071C 024 S	0781 38C L	07E6 168 Γ	084B 37E Σ	0889 188 H	0915 04C E
048F 288 H	0524 073 c	0589 388 8	05EE 226 t	0653 369 e	0688 017 H	071D 244 d	0782 028 +	07E7 3E0 I	084C 080 *	0881 013 S	0916 098 I
048G 3D8 P	0525 130 0	058A 18E H	05F1 026	0654 07C *	0689 188 H	071E 080 0	0783 176 0	07E8 2FC *	084D 3E3 Σ	0882 184 J	0917 284 d
04C1 3E8 Γ	0526 0CF 4	0588 141 a	05F0 1EE Σ	0551 060 F	0688 080 0	071F 321 !	0784 176 *	07E9 05C *	084E 37E Σ	0883 04E Σ	0918 07F 4
04C2 088 K	0527 328 -	058C 044 *	05F1 1EE Σ	0566 394 d	0688 3C6 *	0720 01C \	0785 176 *	07E9 100 J	084F 043 0	0884 26E Σ	0919 11E t
04C3 226	0528 014 T	058E 084 4	05F2 1EE Σ	0567 214 T	068C 186 F	0721 0F9 *	0786 176 *	07E9 288 8	0850 856 *	0885 088 8	0919 18E >
04C4 366 *	0529 149 e	058E 084 4	05F3 1EE Σ	0568 303 C	0688 3C6 *	0722 03E *	0787 08C <	07E9 000 *	0851 013 S	0886 29C *	0918 02F /
04C5 037 7	0528 024 S	058F 31C \	05F4 366 *	0659 18C L	068E 31C \	0723 158 Γ	0788 056 *	07E9 288 C	0852 088 H	0887 290 P	091C 354 d
04C6 2D0	0528 066 I	0590 2E8 P	05F5 046 t	0650 390	068F 080 N	0724 391 J	0789 191 E	07E9 3E0 I	0853 01C \	0888 268 Γ	0910 067 *
04C7 014 T	052C 33D =	0591 3E3 c	05F6 23C <	0580 31C \	0690 190 L	0725 1BC <	0789 33C *	07E9 180 0	0854 278 Γ	0889 281 H	091E 3DC P
04C8 138 0	052D 084 *	0592 086 H	05F7 226 *	0580 198 X	0691 018 I	0726 198 X	0788 056 *	07E9 338 0	0855 222 *	0888 088 8	091F 398 *
04C9 005 E	052E 066 I	0593 056 *	05F8 266 *	0650 222 b	0692 262 b	0727 01C \	0788 056 *	07E9 3E0 Γ	0856 018 L	0888 308 8	0920 082 L
04CA 038	052F 1NE .	0594 106 F	05F9 206 F	0650 017 H	0693 017 H	0728 111 J	0789 1EE Σ	07E9 230 *	0857 39C *	0888 358 Γ	0921 018 I
04CB 130 0	053B 3C5 C	0595 23C <	05FA 08E >	053F 034 d	0694 222 *	0729 088 H	0788 14E Σ	07E9 266 *	0858 3E8 I	0889 000 L	0922 300 F
04CC 023	0531 012 R	0596 130 0	05FB 08E Σ	0696 080	0695 080	0730 088 H	0788 14E Σ	07E9 288 C	0859 014 T	0890 028 +	0923 013 S
04CD 023	0532 0AA *	0597 040 I	05FC 1EE Σ	0661 139 0	0696 166 *	0728 11E *	0790 010 P	07E9 1E8 I	0854 265 e	0886 209 *	0924 100 P
04CE 046 4	0533 262 b	0598 0FC P	05FD 1EE Σ	0662 045 e	0697 1F1 a	0729 1BE >	0791 270 I	07E9 130 0	0858 023 0	0889 088 L	0925 3DC P
04CF 31C \	0534 358 Γ	0599 180 0	05FB 1EE Σ	0663 305 E	0698 030 I	0730 1BE >	0792 130 0	07E9 010 P	0855 38C L	0881 289 I	0926 398 I
04DE 096	0575 130 0	0599 380 =	05FF 006 F	0664 07C *	0699 18E H	0720 290 *	0793 0F3 *	07E9 270 I	0859 027 *	0882 066 6	0927 086 >
04D1 2E5 e	0536 0C0 \	0599 01C \	0600 04E	0665 198 X	0699 18C H	0721 080 0	0794 3F0 *	07E9 130 0	0855 278 Γ	0883 180 L	0928 013 S
04D2 014 T	0537 32D -	0601 2FC P	0666 2F6 *	0694 041 a	0700 040 E	0722 084 *	0795 080 *	07E9 080 *	0856 278 Σ	0884 385 5	0929 11E t
04D3 011 0	0538 014 T	0602 1R 2	0667 3C8 *	0695 306 F	0701 070 I	0723 056 *	0796 2F0 *	07E9 3F0 *	0857 278 Γ	0885 051 a	092A 18E >
04D4 084 4	0539 0CC *	0603 266 *	0668 079 *	0695 369	0702 253 *	0724 025 *	0797 046 *	07E9 3E0 *	0858 263 *	0886 188 H	0928 006 Σ
04D5 066 Σ	0538 0EF 4	0604 206 H	0669 266 *	0696 208 H	0703 084 *	0725 080 0	0798 080 *	07E9 000 0	0859 022 *	0887 046 Σ	092C 2DC P
04D7 166 F	053C 088 L	0605 226 *	0670 080 F	0698 014 \	0704 048 *	0726 080 F	0799 270 F	07E9 000 0	0860 38C L	0888 0E8 Γ	0920 280 L
04D8 3D9 e	053D 269 F	0606 2E2 Z	0670 080 F	0699 306 F	0705 080 F	0727 080 F	0800 0F3 *	07E9 388 8	0861 0F3 *	0886 190 L	0926 013 S
04D9 01C \	053E 388 B	0607 077 T	0670 080 F	0699 31C \	0706 080 F	0728 080 F	0801 0E6 *	07E9 388 8	0862 0F3 *	0887 056 *	0927 056 *
04D9 01C \	053E 378 B	0608 280 F	0670 080 F	0699 31C \	0706 080 F	0728 080 F	0802 0E6 *	07E9 388 8	0863 0F3 *	0888 056 *	0928 006 Σ
04D9 130 0	053F 308 B	0609 110 P	0670 080 F	0699 31C \	0706 080 F	0728 080 F	0803 0E6 *	07E9 388 8	0864 0F3 *	0889 056 *	0929 018 H
04D9 012 J	0540 130 0	0610 11E *	0670 080 F	0699 31C \	0706 080 F	0728 080 F	0804 0E6 *	07E9 388 8	0865 0F3 *	0890 056 *	0930 018 H
04D9 31C \	0541 044 J	0610 043 C	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0805 0E6 *	07E9 388 8	0866 0F3 *	0891 044 J	0933 040 H
04D9 362 b	0542 3E8 B	0610 266 *	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0806 0E6 *	07E9 388 8	0867 0F3 *	0892 044 J	0934 276 *
04E0 01F L	0543 269 e	0610 149 *	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0807 0E6 *	07E9 388 8	0868 0F3 *	0893 044 J	0935 350 L
04E0 297 F	0544 014 T	0610 18E H	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0808 0E6 *	07E9 388 8	0869 0F3 *	0894 086 6	0936 086 *
04E0 297 W	0545 166 F	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0809 0E6 *	07E9 388 8	0870 0F3 *	0895 161 a	0937 31C \
04E1 10C L	0546 01E *	0610 2EE Σ	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0810 0E6 *	07E9 388 8	0871 0F3 *	0896 179 a	0938 162 b
04E2 028 +	0547 3D9 B	0610 047 *	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0811 0E6 *	07E9 388 8	0872 0F3 *	0897 017 C	0939 047 *
04E3 138 0	0548 01C \	0610 178 B	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0812 0E6 *	07E9 388 8	0873 0F3 *	0898 024 *	0939 047 *
04E4 81F L	0549 3A1 I	0610 18E H	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0813 0E6 *	07E9 388 8	0874 0F3 *	0899 019 Y	0939 180 F
04E5 2E5	0549 014 T	0610 18E H	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0814 0E6 *	07E9 388 8	0875 0F3 *	0900 024 *	0939 390 C
04E6 014 T	0549 366 I	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0815 0E6 *	07E9 388 8	0876 0F3 *	0901 024 *	0939 350 L
04E7 289 I	054C 020 C	0610 018 I	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0816 0E6 *	07E9 388 8	0877 0F3 *	0902 02F /	0939 180 J
04E8 012 P	054D 3E8 Γ	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0817 0E6 *	07E9 388 8	0878 0F3 *	0903 180 J	0939 222 *
04E9 366 *	054E 3F8 Γ	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0818 0E6 *	07E9 388 8	0879 0F3 *	0904 023 *	0940 023 *
04E9 016 Y	054F 39C *.	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0819 0E6 *	07E9 388 8	0880 0F3 *	0905 019 Y	0940 180 F
04E9 310 J	0550 222 b	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0820 0E6 *	07E9 388 8	0881 0F3 *	0906 084 4	0941 080 J
04E9 014 T	0551 013 S	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0821 0E6 *	07E9 388 8	0882 0F3 *	0907 012 R	0942 180 F
04E9 011 G	0552 348 C	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0822 0E6 *	07E9 388 8	0883 0F3 *	0908 020 B	0943 080 F
04EE 084 4	0553 130 0	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0823 0E6 *	07E9 388 8	0884 0F3 *	0909 080 F	0944 01C \
04EF 066 Σ	0554 060 F	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0824 0E6 *	07E9 388 8	0885 0F3 *	0910 066 B	0945 3E0 P
04F0 106 F	0555 388 L	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0825 0E6 *	07E9 388 8	0886 0F3 *	0911 080 F	0946 016 Y
04F1 184 P	0556 328 P	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0826 0E6 *	07E9 388 8	0887 0F3 *	0912 080 F	0947 390 C
04F2 264 D	0557 304 D	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0827 0E6 *	07E9 388 8	0888 0F3 *	0913 080 F	0948 3E0 P
04F3 0CC C	0558 153 C	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0828 0E6 *	07E9 388 8	0889 0F3 *	0914 080 F	0949 3DC P
04F4 013 S	0559 138 0	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0829 0E6 *	07E9 388 8	0890 0F3 *	0915 080 F	0950 080 F
04F5 208 H	0559A 0C8 Γ	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0830 0E6 *	07E9 388 8	0891 0F3 *	0916 080 F	0951 080 F
04F6 31C \	0558 3A8 C	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0831 0E6 *	07E9 388 8	0892 0F3 *	0917 080 F	0952 080 F
04F7 002 B	0559 3C8 Γ	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0832 0E6 *	07E9 388 8	0893 0F3 *	0918 080 F	0953 080 F
04F8 046 L	055D 3C6 *	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0833 0E6 *	07E9 388 8	0894 0F3 *	0919 080 F	0954 080 F
04F9 054 B	055E 348 *	0610 080 F	0670 080 F	0699 330 F	0706 080 F	0728 080 F	0834 0E6 *	07E9 388 8	0895 0F3 *	0920 080 F	0955 080 F</

0976 IDE		0976 IDE		0940 20C	L	0905 304	d	0908 300	H	096F 042	-	0933 370	F	0937 03C	<	0939 2E2	b	0901 3C0	#	0966 388	8	09C8 060	=
0977 077		0970 020		0941 063	c	0906 305	-	0908 020	*	0970 19C	<	0934 190	P	0938 058	F	0939 018	[	0902 037	7	0967 3F8	F	09C5 038	8
0979 342	b	0933 130	8	0942 30C	P	0907 046	*	0908 006	*	0971 202	B	0935 01C	\	0939 142	b	0936 30C	\	0968 3E8	F	09C8 265	e		
0979 077		0938 077		0943 354	d	0908 18E	>	0909 13F	?	0906 1C6	*	0973 1F6	*	0937 047	*	0938 358	F	0939 39C	\	0965 35E	S	09C8 1A6	t
0978 3FA	b	0910 360	I	0944 11F	-	0909 046	*	0908 006	*	0972 1F6	*	0937 047	*	0938 360	F	0939 39C	\	0965 35E	S	09C8 298	[		
0978 18E	>	0909 260	F	0945 166	*	0908 075	e	0906 006	*	0974 1F6	*	0938 360	F	0939 244	d	0931 058	F	0966 378	*	0968 1F1	a	09D0 130	8
0970 3E3	c	0901 290	J	0946 3E3	c	0908 020	*	0910 2F3	c	0975 027	*	0938 355	e	0939 3D9	*	0928 358	F	0967 130	8	096C 038	,	09D1 030	8
0970 14C	t	0902 022	*	0947 033	3	0906 055	*	0911 006	F	0976 27C	*	0938 006	H	0936 01C	*	0933 0CE	S	0968 091	8	0960 149	c	09D2 3E8	F
0976 342	b	0903 244	d	0948 304	d	0908 020	*	0912 2F6	*	0977 299	*	0938 340	*	0937 130	*	0934 08C	*	0969 004	*	0966 024	s	09D3 018	[
0977 06F	A	0904 178	F	0949 214	T	0906 304	d	0913 2C7	*	0978 006	H	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	096F 2B8	8	09D4 130	8
0978 27E	Z	0905 31C	\	0944 14F	4	0942 214	T	0914 300	X	0979 37C	*	0938 33D	*	0941 106	F	0936 014	T	0968 39C	*	0970 030	*	09D5 030	8
0981 187	G	0906 2E8	B	0948 146	*	0909 047	*	0915 106	*	0978 006	*	0938 004	*	0942 086	F	0937 27C	*	0930 142	b	0971 10E	M	09D6 35E	S
0982 106	t	0907 131	I	0944 3E3	c	0908 18E	>	0916 29C	P	0978 200	H	0938 059	I	0943 31C	\	0938 330	*	0960 250	*	0972 38C	L	09D7 017	W
0983 3FA	B	0908 086	6	0949 02E	*	0908 3E3	c	0917 120	*	0978 319	Y	0938 004	*	0944 380	F	0939 01C	*	0968 091	8	0960 149	c	09D2 3E8	F
0984 3D3	C	0909 10E	H	0944 08E	J	0908 334	d	0918 01F	*	0979 006	*	0938 18C	L	0945 368	*	0938 050	F	0969 004	*	0966 024	s	09D3 018	[
0985 01E	I	0909 188	8	0944 130	*	0944 214	T	0919 304	d	0978 2F9	*	0938 01F	*	0940 020	*	0935 130	8	0969 2FC	*	096F 2B8	8	09D4 130	8
0986 388		0909 004	*	0946 058	*	0905 01F	*	0919 3E8	*	0979 006	H	0938 004	*	0941 106	F	0936 014	T	0968 39C	*	0970 030	*	09D5 030	8
0987 18E		0909 004	*	0946 058	*	0905 01F	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0988 027		0903 23C	C	0947 006	*	0908 102	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0989 166		0903 23C	C	0947 033	*	0908 102	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0990 3EB		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0991 3EB		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0992 3EB		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0993 045	Z	0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0994 050		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0995 08B		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0996 354	d	0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0997 067		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0998 160	L	0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 340		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 023		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	0969 2FC	*	0970 030	*	09D5 030	8
0999 022		0909 168	F	0948 106	F	0908 39C	*	0919 10E	H	0978 006	*	0938 004	*	0940 020	*	0935 130	8	09					

0E2F 04E Σ	0E57 JE8 Γ	0E7F 14C #	0EAT 328	0EFC 184 Δ	0EF7 024 \$	0F1F 278 Γ	0F47 81C \	0F6F 3F8 Γ	0F97 18E N	0FBF 1E8 F	0FE7 1EE Σ
0E30 0BE >	0E58 3B8 8	0E88 023 0	0E8A 149 Δ	0E90 181 1	0EFA 278 Γ	0F20 288 8	0F70 03C <	0F98 31D 1	0FC0 090 P	0FB8 1EE Σ	
0E31 2FC	0E59 33C <	0E81 130 0	0E8A 024 Δ	0E91 078 Δ	0EFA 2EE Δ	0F21 31F Δ	0F71 39C \	0F99 0BC <	0FC1 010 P	0FE9 37C	
0E32 31C \	0E5A 358 Γ	0E82 088	0E8A 395 U	0E92 03C <	0EFA 348 +	0F22 08A +	0F4A 186 F	0F72 058 Γ	0F9A 288 8	0FC2 358 Γ	0FEA 1E8 F
0E33 0D0	0E5B 088 H	0E83 146 Δ	0E8A 18C (	0E83 130 0	0EFA 37C +	0F23 180 J	0F4B 130 0	0F73 13B ;	0F98 10E N	0FC3 39L \	0FE8 141 a
0E34 3E8 Γ	0E5C 388 H	0E84 086 F	0E8A 211 0	0E84 3E8 Γ	0EFC 04A P	0F24 23C <	0F4C 06F 0	0F74 211 0	0F90 086 F	0FC4 058 Γ	0FE8 044 \$
0E35 115 U	0E5D 398 X	0E85 3D0 #	0E8D 08C L	0E85 266 Δ	0EFD 268 Γ	0F25 268 Γ	0F4B 36A P	0F75 00C L	0F9D 281 A	0FC5 335 5	0FED 158 Γ
0E36 038 0	0E5E 2FC ▶	0E86 08C .	0E8E 39C \	0E86 3F8 ▶	0EFE 229 ▶	0F26 08E Δ	0F4E 229 ▶	0F76 381 A	0F9E 03A :	0FC6 032 2	0FEE 340 *
0E37 063 c	0E5F 168 *	0E87 149 Δ	0E8F 098 X	0E87 059 Δ	0EFF 01C \	0F27 389 ▶	0F4F 01A 2	0F77 068 J	0F9F 08C L	0FC7 3F8 Γ	0FEE 044 \$
0E38 08C L	0E60 01C ▶	0E88 024 \$	0E89 3D8 ▶	0E88 036 6	0F08 388 8	0F28 01C ▶	0F50 086 F	0F78 24C ▶	0F88 053 C	0FC8 0E6 ▶	0FF9 2E0 *
0E39 027	0E61 261 a	0E89 288 8	0E8B 04C ▶	0E89 149 Δ	0F01 328 ▶	0F29 221 !	0F51 389 c	0F79 137 7	0F81 07C ▶	0FC9 3C1 a	0FF1 044 \$
0E3A 265 e	0E62 080 0	0E8B 19E H	0E82 038	0E8A 024 Δ	0F02 320 L	0F2A 080 0	0F52 81C ▶	0F7A 158 Γ	0F82 056 ▶	0FC8 088 0	0FF2 3D8 Γ
0E3B 020	0E63 231 1	0E8B 08C L	0E83 34C ▶	0E88 385 Δ	0F03 1F3 C	0F2B 283 3	0F53 389 ▶	0F78 07C ▶	0F83 10E N	0FCB 04C ▶	0FF3 3E0 ▶
0E3C 3CB	0E64 006 F	0E8C 047 -	0E84 11F -	0E8C 18C (	0F04 265 Δ	0F2C 080 0	0F54 08C -	0F7C 078 ▶	0F84 388 8	0FCC 348	0FF4 35C ▶
0E3D 04E Σ	0E65 2DC ▶	0E8D 066 Δ	0E85 0AE -	0E8D 388 8	0F05 020 ▶	0F35 149 e	0F7D 248 Γ	0F85 358 Γ	0FCD 066 ▶	0FF5 0F8 Γ	
0E3E 09E ▶	0E66 3D0 ▶	0E8E 086 F	0E86 08C ▶	0E8E 398 ▶	0F06 273 C	0F2E 080 ▶	0F56 024 \$	0F78 084 ▶	0F86 04E ▶	0FCE 166 ▶	0FF6 04A ▶
0E3F 2FC ▶	0E67 31C \	0E8F 3E6 ▶	0E87 3D1 a	0E8F 288 H	0F07 365 Δ	0F2F 080 ▶	0F57 278 ▶	0F7C 20C L	0F87 244 d	0FCF 34C ▶	0FF7 10E N
0E40 0D0 ▶	0E68 10E H	0E89 083 C	0E8B 046 Δ	0E88 3D8 Γ	0F08 07C ▶	0F30 080 0	0F58 080 ▶	0F80 028 ▶	0F88 249 ▶	0FDD 013 S	0FF8 1BE ▶
0E41 0E9 ▶	0E69 388 B	0E91 3D0 ▶	0E89 308 ▶	0E89 148 ▶	0F09 106 F	0F31 080 0	0F59 20C ▶	0F81 088 H	0F89 322 0	0FDD 006 F	0FF9 1BE ▶
0E42 11B I	0E6A 17E ▶	0E92 08C ▶	0E8A 04E ▶	0E82 042 ▶	0F0A 125 2	0F32 080 0	0F58 080 0	0F82 080 0	0F88 158 ▶	0F82 01E ▶	0FFB 017 N
0E43 388 8	0E6B 358 Γ	0E93 149 Δ	0E8B 05C ▶	0E83 268 Γ	0F0B 01C \	0F33 080 0	0F58 21C \	0F83 3A1 !	0F88 07C ▶	0F83 3A1 !	0FFB 058 ▶
0E44 3E8 ▶	0E6C 04C ▶	0E94 024 ▶	0E8C 3D0 ▶	0E84 3D9 ▶	0F0C 186 6	0F34 080 0	0F58 212 b	0F84 01C ▶	0FAC 3A1 !	0FDD 311 J	0FFC 331 J
0E45 138 0	0E6D 3E7 ▶	0E95 288 B	0E89 170 ▶	0E85 01C ▶	0F0D 388 ▶	0F35 080 0	0F58 323 Z	0F85 044 d	0F88 01C ▶	0F85 138 0	0FF7 002 E
0E46 01F -	0E6E 086 F	0E86 10E H	0E8E 08E -	0E86 115 U	0F0E 31C \	0F36 080 0	0F58 018 X	0F86 388 8	0F88 388 8	0FDD 028 ▶	0FF8 004 D
0E47 043 c	0E6F 3F8 ▶	0E87 130 0	0E8F 08C ▶	0E87 038 0	0F0F 130 0	0F37 149 Δ	0F58 066 ▶	0F87 308 ▶	0F88 358 Γ	0FDD 3E8 ▶	0FFF 3C0 ▶
0E48 138 0	0E70 042 b	0E88 0C8 Γ	0E8C 02F ▶	0E88 073 C	0F0F 074 ▶	0F38 024 ▶	0F58 130 0	0F88 080 L	0F81 198 X	0F89 268 ▶	0FDD 000 F
0E49 01F ▶	0E71 056 ▶	0E89 2E0 ▶	0E81 163 ▶	0E89 14C ▶	0F0F 111 0	0F39 08C L	0F61 01E ▶	0F89 023 ▶	0F81 198 X	0F8A 186 0	0FDD 331 J
0E50 023 ▶	0E72 146 ▶	0E89 3C8 ▶	0E82 087 G	0E89 00A ▶	0F0F 123 0	0F39 233 S	0F62 31C ▶	0F88 358 ▶	0F82 18C ▶	0F8A 186 0	0FDD 000 F
0E42 138 0	0E73 18E ▶	0E89 3C0 ▶	0E83 066 ▶	0E88 03E ▶	0F0F 130 0	0F38 31C ▶	0F63 36A ▶	0F88 048 ▶	0F83 158 ▶	0F88 330 0	0FDD 000 F
0E44 01F ▶	0E74 047 ▶	0E89 038 ▶	0E84 245 ▶	0E84 395 U	0F14 03A ▶	0F38 278 ▶	0F64 187 7	0F8C 398 X	0F84 00C L	0FDC 033 J	0FDD 000 F
0E45 04C ▶	0E75 046 ▶	0E85 002 B	0E8D 07C ▶	0E85 36A B	0F15 36A B	0F3D 22E ▶	0F65 278 ▶	0F85 058 ▶	0F86 260 ▶	0FDD 260 ▶	0FDD 000 F
0E46 3E8 ▶	0E76 1E6 ▶	0E86 033 C	0E86 130 0	0E86 383 3	0F16 373 C	0F3E 223 ▶	0F66 158 ▶	0F86 390 ▶	0F87 180 0	0FDE 180 0	0FDD 000 F
0E47 3E8 ▶	0E77 186 F	0E87 099 ▶	0E87 249 ▶	0E87 259 ▶	0F17 130 0	0F3F 325 Z	0F67 315 U	0F8F 058 ▶	0F87 264 ▶	0F8F 330 0	0FDD 000 F
0E48 138 0	0E78 1E6 ▶	0E88 319 Y	0E88 016 ▶	0E88 01C ▶	0F18 02E ▶	0F40 050 ▶	0F68 098 X	0F89 240 ▶	0F88 01B ▶	0F88 23A ▶	0FDD 000 F
0E51 0AC .	0E79 1E6 ▶	0E89 038 8	0E89 3C8 ▶	0E81 204 D	0F19 36A ▶	0F41 268 ▶	0F69 2EE X	0F91 048 ▶	0F89 000 ▶	0F8E 170 ▶	0FDD 000 F
0E52 149 ▶	0E80 146 ▶	0E82 043 c	0E82 3C0 ▶	0E82 398 X	0F1A 353 C	0F42 388 B	0F6A 077 ▶	0F92 310 J	0F88 038 ▶	0F82 1EE ▶	0FDD 000 F
0E53 024 \$	0E82 343 ▶	0E83 260 ▶	0E83 3F8 ▶	0E83 130 0	0F1B 130 0	0F43 358 ▶	0F6B 308 8	0F93 03C ▶	0F88 23A ▶	0F83 1EE ▶	0FDD 000 F
0E54 3F8 ▶	0E84 000 0	0E84 000 ▶	0E84 022 B	0E84 049 ▶	0F1C 02C ▶	0F44 284 ▶	0F6C 358 ▶	0F94 149 ▶	0F88 330 0	0F84 3DA 0	0FDD 000 F
0E55 01C ▶	0E85 028 X	0E85 3C1 a	0E85 266 ▶	0E85 036 6	0F1D 36A ▶	0F45 398 X	0F6D 08C L	0F95 024 \$	0F89 266 ▶	0F85 3D0 ▶	0FDD 000 F
0E56 098 K	0E86 378 ▶	0E86 080 0	0E86 378 ▶	0E86 149 ▶	0F1E 333 3	0F46 160 ▶	0F6E 033 3	0F96 198 X	0F88 017 W	0F86 3D0 ▶	0FDD 000 F

The above listing was made using the program below written by Jim De Arras and modified by Richard Nelson to add the "CHR" column. The ROM character set used was described in "PPC Technical Notes" VIN6P57, by Robert Groom, revised by John Mc Gechie. The "look up" table defines this character set and the character set is easily changed using this approach. The "DUMP" program uses EPROM assembly language routines identified as XROM 12 instructions written by Jim De Arras. Jim's EPROM box design was used to produce these listings. Execution: 6 Hours. Paste-up 5 hours.

PPC will publish articles describing these listings in future issues of PPC CJ.

01+LBL "DUMP" 48 AST0 02  
02 0 41 ▪  
03 ENTER† 42 ARCL 01  
04 127 43 AST0 01  
05 BLDSPEC 44 ARCL 02  
06 CLR 45 ASHF  
07 ARCL X 46 AST0 02  
08 AST0 04 47 ▪  
09 "HP-41CV HEX ROM" 48 ARCL 02  
10 "↑ DUMP" 49 ASHF  
11 ACA 50 AST0 X  
12 ADV 51 ▪  
13 ADV 52 ARCL 01  
14 "ADDR DTA CHP" 53 ASHF  
15 ACA 54 ▪  
16 ADV 55 ARCL 02  
17 CF\_21 56 ▪  
18 "START ADDR" □ 57 SF\_25  
19 ADN 58 XEP INT  
20 PROMPT 59 ▪  
21 XROM 12..15 60 ACA  
22 ENTER† 61 ADV  
23 "LAST ADDR" □ 62 CLX  
24 PROMPT 63 LASTX  
25 XROM 12..15 64 X/Y  
26 "1" 65 GTO 01  
27 ENTER† 66 ADV  
28 XROM 12..15 67 ADV  
29 XROM 12..09 68 ADV  
30 XROM 12..04 69 ADV  
31 X/Y 70 ADV  
32 SF\_21 71 CF\_21  
33 R0FF 72 " DONE"  
34+LBL 01 73 REVM  
35 XROM 12..01 74 AVIEW  
36 XROM 12..16 75 SF\_21  
37 ASHF 76 END  
38 AST0 01  
39 ASHF

58+LBL "8E" 115 "H" ▶  
02+LBL 88 59 "H" ▶  
60 RTN 116 RTN  
61+LBL "J" ▶ 117+LBL "J" ▶  
62+LBL "F" ▶ 118+LBL "F" ▶  
63+LBL "0" ▶ 119 "H" ▶  
64 RTN 120 RTN  
65+LBL "1" ▶ 121+LBL "IE" ▶  
66+LBL "6" ▶ 122+LBL "9E" ▶  
67+LBL "2F" ▶ 123 "H" ▶  
68+LBL "8" ▶ 124 RTN  
69+LBL "1F" ▶ 125+LBL "1F" ▶  
70+LBL "7" ▶ 126+LBL "9F" ▶  
71+LBL "E" ▶ 127+LBL "21" ▶  
72+LBL "G" ▶ 128+LBL "24" ▶  
73+LBL "13" ▶ 129+LBL "28" ▶  
74+LBL "93" ▶ 130+LBL "32" ▶  
75+LBL "S" ▶ 131 "H" ▶  
76+LBL "RT" ▶ 132 RTN  
77+LBL "11" ▶ 133+LBL "21" ▶  
78+LBL "9" ▶ 134+LBL "A1" ▶  
79+LBL "9" ▶ 135 "H" ▶  
80+LBL "9" ▶ 136 RTN  
81+LBL "15" ▶ 137+LBL "22" ▶  
82+LBL "14" ▶ 138+LBL "R2" ▶  
83+LBL "14" ▶ 139 "H" ▶  
84 RTN 140 RTN  
85+LBL "15" ▶ 141+LBL "23" ▶  
86+LBL "15" ▶ 142+LBL "A3" ▶  
87+LBL "15" ▶ 143 "H" ▶  
88+LBL "RT" ▶ 144 RTN  
89+LBL "16" ▶ 145+LBL "24" ▶  
90+LBL "16" ▶ 146+LBL "R4" ▶  
91+LBL "8" ▶ 147 "H" ▶  
92 RTN 148 RTN  
93+LBL "17" ▶ 149+LBL "25" ▶  
94+LBL "17" ▶ 150+LBL "R5" ▶  
95+LBL "17" ▶ 151 "H" ▶  
96 RTN 152 RTN  
97+LBL "18" ▶ 153+LBL "26" ▶  
98+LBL "18" ▶ 154+LBL "A6" ▶  
99+LBL "18" ▶ 155 "H" ▶  
100 RTN 156 RTN  
101+LBL "19" ▶ 157+LBL "27" ▶  
102+LBL "19" ▶ 158+LBL "R7" ▶  
103+LBL "19" ▶ 159 "H" ▶  
104 RTN 160 RTN  
105+LBL "19" ▶ 161+LBL "28" ▶  
106+LBL "19" ▶ 162+LBL "R8" ▶  
107+LBL "19" ▶ 163 "H" ▶  
108 RTN 164 RTN  
109+LBL "18" ▶ 165+LBL "29" ▶  
110+LBL "18" ▶ 166+LBL "R9" ▶  
111+LBL "18" ▶ 167 "H" ▶  
112 RTN 168 RTN  
113+LBL "18" ▶ 169+LBL "20" ▶  
114+LBL "18" ▶ 170+LBL "R9" ▶  
115+LBL "18" ▶ 171 "H" ▶  
116 RTN 172 RTN  
117+LBL "19" ▶ 173+LBL "20" ▶  
118+LBL "19" ▶ 174+LBL "R8" ▶  
119+LBL "19" ▶ 175 "H" ▶  
120 RTN 176 RTN  
121+LBL "20" ▶ 177+LBL "43" ▶  
122+LBL "20" ▶ 178+LBL "R9" ▶  
123+LBL "20" ▶ 179 "H" ▶  
124 RTN 180 RTN  
125+LBL "20" ▶ 181+LBL "44" ▶  
126+LBL "20" ▶ 182+LBL "R10" ▶  
127+LBL "20" ▶ 183 "H" ▶  
128 RTN 184 RTN  
129+LBL "20" ▶ 185+LBL "45" ▶  
130+LBL "20" ▶ 186+LBL "R11" ▶  
131+LBL "20" ▶ 187 "H" ▶  
132 RTN 188 RTN  
133+LBL "20" ▶ 189+LBL "46" ▶  
134+LBL "20" ▶ 190+LBL "R12" ▶  
135+LBL "20" ▶ 191 "H" ▶  
136 RTN 192 RTN  
137+LBL "20" ▶ 193+LBL "47" ▶  
138+LBL "20" ▶ 194+LBL "R13" ▶  
139+LBL "20" ▶ 195 "H" ▶  
140 RTN 196 RTN  
141+LBL "20" ▶ 197+LBL "48" ▶  
142+LBL "20" ▶ 198+LBL "R14" ▶  
143+LBL "20" ▶ 199 "H" ▶  
144 RTN 200 RTN  
145+LBL "20" ▶ 201+LBL "49" ▶  
146+LBL "20" ▶ 202+LBL "R15" ▶  
147+LBL "20" ▶ 203 "H" ▶  
148 RTN 204 RTN  
149+LBL "20" ▶ 205+LBL "50" ▶  
150+LBL "20" ▶ 206+LBL "R16" ▶  
151+LBL "20" ▶ 207 "H" ▶  
152 RTN 208 RTN  
153+LBL "20" ▶ 209+LBL "51" ▶  
154+LBL "20" ▶ 210+LBL "R17" ▶  
155+LBL "20" ▶ 211 "H" ▶  
156 RTN 212 RTN  
157+LBL "20" ▶ 213+LBL "52" ▶  
158+LBL "20" ▶ 214+LBL "R18" ▶  
159+LBL "20" ▶ 215 "H" ▶  
160 RTN 216 RTN  
161+LBL "20" ▶ 217+LBL "53" ▶  
162+LBL "20" ▶ 218+LBL "R19" ▶  
163+LBL "20" ▶ 219 "H" ▶  
164 RTN 220 RTN  
165+LBL "20" ▶ 221+LBL "54" ▶  
166+LBL "20" ▶ 222+LBL "R20" ▶  
167+LBL "20" ▶ 223 "H" ▶  
168 RTN 224 RTN  
169+LBL "20" ▶ 225+LBL "55" ▶  
170+LBL "20" ▶ 226+LBL "R21" ▶  
171+LBL "20" ▶ 227 "H" ▶  
172 RTN 228 RTN  
173+LBL "20" ▶ 229+LBL "56" ▶  
174+LBL "20" ▶ 230+LBL "R22" ▶  
175+LBL "20" ▶ 231 "H" ▶  
176 RTN 232 RTN  
177+LBL "20" ▶ 233+LBL "57" ▶  
178+LBL "20" ▶ 234+LBL "R23" ▶  
179+LBL "20" ▶ 235 "H" ▶  
180 RTN 236 RTN  
181+LBL "20" ▶ 237+LBL "58" ▶  
182+LBL "20" ▶ 238+LBL "R24" ▶  
183+LBL "20" ▶ 239 "H" ▶  
184 RTN 240 RTN  
185+LBL "20" ▶ 241+LBL "59" ▶  
186+LBL "20" ▶ 242+LBL "R25" ▶  
187+LBL "20" ▶ 243 "H" ▶  
188 RTN 244 RTN  
189+LBL "20" ▶ 245+LBL "60" ▶  
190+LBL "20" ▶ 246+LBL "R26" ▶  
191+LBL "20" ▶ 247 "H" ▶  
192 RTN 248 RTN  
193+LBL "20" ▶ 249+LBL "61" ▶  
194+LBL "20" ▶ 250+LBL "R27" ▶  
195+LBL "20" ▶ 251 "H" ▶  
196 RTN 252 RTN  
197+LBL "20" ▶ 253+LBL "62" ▶  
198+LBL "20" ▶ 254+LBL "R28" ▶  
199+LBL "20" ▶ 255 "H" ▶  
200 RTN 256 RTN  
201+LBL "20" ▶ 257+LBL

A000 005 E	A064 289 I	A0C9 1C8 F	A12D 045 E	A192 000 E	A1F7 139 9	R25C 012 R	R2C1 011 Q	A326 043 C	A388 03F 2	A3F0 040 E	A455 040 *
A001 049 F	A065 064 B	A0CA 001 A	A12E 05E Z	A193 053 C	A1F8 125 Z	R25B 142 B	A2C2 1F7 *	A327 054 D	A38C 18C L	A3F1 057 *	A456 042 B
A002 00C L	A066 289 I	A0CB 0F2 B	A12F 148 C	A194 054 D	A1F9 142 B	R25E 189 )	A2C3 054 D	A328 028 E	A38D 18E N	A3F2 04F 4	A457 045 E
A003 027 *	A068 289 I	A0CD 036 6	A131 183 C	A195 130 0	A1F9 168 F	R25F 01C \	A2C4 055 E	A329 185 E	A38E 19A Z	A3F3 052 B	A458 052 B
A004 200 E	A069 088 J	A0CE 1AA *	A132 18F ?	A196 1BF ?	A1FB 198 P	R26B 19C \	A2C5 045 E	A32A 19C L	A38F 000 J	A3F4 044 D	A459 03F ?
A005 086 F	A06A 289 I	A0CF 005 E	A133 031 1	A198 1C4 D	A1FD 141 A	R261 004 D	A2C6 053 C	A32B 1F4 D	A390 136 V	A3F5 028	A458 18E H
A006 200 E	A068 09F *	A0D0 177 *	A134 1C8 F	A199 001 A	A1FE 154 D	R262 19B C	A2C7 044 D	A32C 04E Z	A391 011 Q	A3F6 049 E	A458 111 Q
A007 092 R	A06E 289 I	A0D6 1C8 F	A1B1 116 V	A19A 081 A	A19E 053 E	A1F4 139 0	A2C8 041 A	A32D 04F 4	A392 111 Q	A3F7 053 C	A456 148 F
A008 200 E	A06D 088 8	A0D2 1BF ?	A136 0F5 E	A19B 000 E	A19E 135 E	R264 175 E	A2C9 059 E	A32E 056 *	A393 010 Z	A3F8 029	A455 134 4
A009 090 J	A06E 20A J	A0D3 08F *	A137 000 E	A19C 052 B	A201 143 C	R266 126 E	A2C1 185 E	A32F 028	A394 010 P	A3F9 03C <	A456 1C8 F
A00A 200 E	A06F 030 0	A0D4 1C8 F	A138 052 B	A19D 043 C	A202 168 F	R267 01C \	A2C2 012 R	A326 185 M	A395 010 P	A3FA 19C L	A456 084 D
A00B 000 *	A070 200 J	A0D5 001 A	A139 044 D	A19E 1AA *	A203 137 7	A268 185 E	A2CD 1F9 *	A331 101 M	A396 016 V	A3FB 009 J	A460 0F4 D
A00C 200 E	A071 03F *	A0D6 0F2 B	A13A 057 *	A19F 005 E	A204 120	A269 1F5 C	A2CE 057 *	A332 1F4 D	A397 191 Q	A3FC 1F2 B	A461 000 E
A00D 083 3	A072 200 J	A0D7 000 E	A13B 04E Z	A19A 177 *	A205 171 A	A26A 016 V	A2CF 045 E	A333 044 D	A398 012 R	A3FD 07F 4	A462 041 A
A00E 200 E	A073 04E Z	A0D8 037 7	A13C 175 E	A19A 120	A206 126 E	A26B 168 F	A2D0 044 D	A335 043 C	A399 1F1 A	A3FF 17E Z	A464 04E Z
A00F 08E *	A074 28A J	A0D9 1AA *	A13D 18E ?	A19B 1BF ?	A207 142 B	A26C 192 R	A2B1 04E Z	A336 020	A39B 020	A400 189 I	A465 110 P
A010 200 E	A075 070 *	A0D9 005 E	A13E 03F ?	A19A 000 E	A209 168 F	R26D 009 I	A2B2 045 E	A337 185 E	A39C 19C Z	A401 189 I	A466 138 8
A011 0C9 *	A076 200 J	A0D9 177 *	A13F 1C8 F	A19A 1CA B	A209 141 A	A26E 111 Q	A2B3 053 C	A338 1C0 F	A39D 072 B	A402 190 P	A467 139 9
A012 200 E	A077 0FC *	A0DC 117 W	A140 001 A	A19S 001 A	A209 138 8	A26F 012 R	A2B4 044 A	A339 037 7	A39E 198 P	A403 011 R	A468 111 Q
A013 004 d	A078 200 K	A0D9 1BF ?	A141 0F5 E	A19A 055 E	A209 127	A270 142 B	A2B5 001 A	A340 225 /	A39F 012 R	A404 168 F	A469 019 F
A014 200 E	A079 008 *	A0DE 004 \$	A142 000 E	A19A 000 E	A209 111 Q	A271 141 A	A2B6 059 E	A341 025 %	A39A 111 Q	A405 1F9 A	A46A 137 7
A015 0DF 4	A07A 200 K	A0DF 1C8 F	A143 053 C	A19B 040 C	A209 128 C	A272 185 E	A2C1 045 E	A342 230 E	A3A1 018 P	A406 059 *	A468 1FB *
A016 200 E	A078 0C7 *	A0E9 001 A	A144 055 C	A19A 053 C	A209 140 C	A273 1C4 *	A2C2 1C4 *	A343 1C0 F	A3A2 140 F	A407 04F 4	A46C 0C0 *
A017 0E5 B	A07C 200 K	A0E1 0F2 B	A145 041 A	A19A 054 D	A209 141 A	A274 068 F	A2C3 013 S	A343 001 A	A3A3 187 G	A408 055 E	A468 020 *
A018 200 E	A07D 005 *	A0E2 000 E	A146 050 B	A19A 058 B	A209 141 A	A275 1A9 *	A2C4 1F8 *	A343 0F6 E	A3A4 198 L	A409 020 *	A46E 020 *
A019 0F5 *	A07E 200 K	A0E3 038 B	A147 171 A	A19A 1AC *	A209 127	A276 010 J	A2C5 054 D	A340 098 E	A3A5 0F3 C	A409 054 D	A46F 020 *
A020 201 A	A07F 0F2 B	A0E4 1AA *	A148 1BF ?	A19A 005 E	A209 111 Q	A277 19C \	A2C6 048 F	A341 057 *	A3A6 175 E	A408 04F 4	A470 020 *
A021 0B4 D	A080 200 L	A0E5 005 E	A149 047 *	A19A 177 *	A209 141 T	A278 000 E	A2D0 055 *	A342 04F 4	A3A7 190 Z	A409 04F 4	A471 020 *
A022 201 A	A081 000 M	A0E6 177 *	A149 1C8 F	A19A 176 *	A209 143 C	A279 131 I	A2D2 052 B	A343 052 B	A3A8 073 C	A409 048 *	A472 020 *
A023 009 *	A082 000 E	A0E7 118 X	A148 001 A	A19B 1BF ?	A209 141 E	A279 1A9 *	A2D3 053 C	A344 084 D	A3A9 179 Q	A408 020 *	A473 020 *
A024 201 A	A083 000 E	A0E8 1BF ?	A14C 0F4 D	A19B 000 E	A209 116 V	A280 044 D	A2D5 053 C	A345 053 C	A3A9 181 1	A40F 198 L	A474 020 *
A025 034 4	A084 02C *	A0E9 099 Y	A14D 000 E	A19B 1C0 F	A209 116 V	A281 010 J	A2D6 044 A	A346 076 F	A3A9 091 Q	A410 073 C	A475 020 *
A026 201 A	A085 020 *	A0E9 1C8 F	A14E 052 B	A19B 002 B	A209 129 )	A282 024 E	A2D7 052 B	A347 084 E	A3A9 187 G	A411 1F9 A	A476 03F *
A027 050 *	A0E8 053 C	A0F1 177 *	A151 001 A	A19B 000 E	A209 111 Q	A283 020 E	A2D8 052 B	A348 045 E	A3A9 190 L	A412 077 F	A477 180 L
A028 201 A	A086 1C2 B	A0F2 001 A	A14F 055 C	A19B 022 F	A209 111 Q	A284 023 E	A2D9 052 B	A349 059 Q	A3A9 000 J	A413 028 C	A478 198 H
A029 066 *	A087 048 *	A0F3 1BF ?	A152 000 E	A19C 143 C	A209 141 A	A285 014 T	A2D9 020	A350 198 E	A3A9 187 C	A414 047 *	A479 188 K
A030 201 A	A088 000 E	A0F4 086 H	A151 174 D	A19C 230 Q	A209 116 V	A286 013 I	A2D9 1F4 D	A351 044 D	A3A9 181 1	A415 055 E	A479 190 Z
A031 086 F	A089 000 E	A0F5 1C8 F	A152 050 F	A19C 182 E	A209 143 C	A287 016 V	A2D9 1E6 C	A352 040 E	A3A9 187 G	A416 045 E	A478 066 F
A032 201 A	A090 001 A	A0F6 001 A	A153 054 D	A19D 001 A	A209 140 F	A288 012 R	A2D9 046 *	A353 020 E	A3A9 084 D	A417 053 C	A479 190 J
A033 078 X	A091 005 E	A0F7 177 *	A154 0C6 *	A19D 000 E	A209 115 U	A289 045 E	A2D9 046 *	A354 020 E	A3A9 187 F	A418 053 C	A479 190 J
A034 261 A	A092 117 *	A0F8 110 P	A155 000 E	A19E 000 E	A209 117 W	A290 066 F	A2D9 046 *	A355 006 H	A3A9 028 E	A419 045 E	A479 0F4 Q
A035 004 \$	A093 111 Q	A0F9 083 C	A156 001 A	A19F 000 E	A209 117 W	A291 066 F	A2D9 020	A356 116 V	A3A9 198 Z	A420 000 E	A485 0P4 J
A036 281 A	A094 1BF ?	A0F9 18F ?	A157 000 E	A19G 18E *	A209 117 W	A292 066 F	A2D9 046 *	A357 116 E	A3A9 073 C	A421 044 D	A486 052 B
A037 087 7	A095 0E6 *	A0F9 03E >	A158 001 A	A19H 18E *	A209 117 W	A293 066 F	A2D9 046 *	A358 0F6 E	A3A9 181 A	A422 045 E	A487 0E4 C
A038 247 *	A096 005 E	A0F9 053 C	A159 001 A	A19I 000 E	A209 117 W	A294 066 F	A2D9 046 *	A359 044 E	A3A9 187 G	A423 053 C	A488 040 *
A039 030 =	A097 000 E	A0F9 053 C	A160 001 A	A19J 000 E	A209 117 W	A295 063 C	A2D9 046 *	A360 091 Y	A3A9 1F1 A	A424 015 C	A489 040 *
A040 283 C	A098 000 E	A0F9 0F2 B	A161 000 E	A19K 000 E	A209 117 W	A296 066 F	A2D9 046 *	A361 016 V	A3A9 188 H	A425 0F7 F	A490 0P4 J
A041 079 *	A099 000 E	A0F9 030 0	A162 000 E	A19L 000 E	A209 117 W	A297 066 F	A2D9 046 *	A362 011 Q	A3A9 010 P	A426 040 C	A491 000 E
A042 284 D	A099 000 E	A0F9 032 2	A163 0F6 *	A19M 000 E	A209 117 W	A298 066 F	A2D9 046 *	A363 0F6 E	A3A9 198 P	A427 022 C	A492 054 D
A043 003 1	A092 10A *	A0F9 085 E	A164 000 E	A19N 000 E	A209 117 W	A299 066 F	A2D9 046 *	A364 020 E	A3A9 012 R	A428 190 Z	A493 052 B
A044 284 D	A097 1AA *	A0F9 177 *	A165 005 E	A19O 000 E	A209 117 W	A300 066 F	A2D9 046 *	A365 020	A3A9 140 Z	A429 000 E	A494 010 C
A045 0CD *	A098 000 E	A0F9 053 C	A166 045 C	A19P 000 E	A209 117 W	A301 066 F	A2D9 046 *	A366 020	A3A9 187 G	A430 086 F	A495 192 L
A046 295 E	A098 000 E	A0F9 053 C	A167 000 E	A19Q 000 E	A209 117 W	A302 066 F	A2D9 046 *	A367 028	A3A9 198 L	A431 188 H	A496 005 E
A047 001 A	A095 112 R	A0F9 041 A	A168 045 C	A19R 000 E	A209 117 W	A303 066 F	A2D9 046 *	A368 020	A3A9 198 L	A432 198 L	A497 198 L
A048 200 E	A096 000 E	A0F9 042 D	A169 045 C	A19S 000 E	A209 117 W	A304 066 F	A2D9 046 *	A369 020	A3A9 198 Z	A433 087 G	A498 006 F
A049 001 A	A096 000 E	A0F9 043 C	A170 045 C	A19T 000 E	A209 117 W	A305 066 F	A2D9 046 *	A370 019 A	A3A9 197 W	A434 197 W	A499 196 L
A050 285 E	A096 000 E	A0F9 044 D	A171 045 C	A19U 000 E	A209 117 W	A306 066 F	A2D9 046 *	A371 011 Q	A3A9 196 Z	A435 007 G	A499 002 B
A051 054 B	A096 000 E	A0F9 045 C	A172 045 C	A19V 000 E	A209 117 W	A307 066 F	A2D9 046 *	A372 011 Q	A3A9 140 Z	A436 099 E	A499 059 C
A052 286 F	A097 034 4	A0F9 046 D	A173 044 D	A19W 000 E	A209 117 W	A308 066 F	A2D9 046 *	A373 011 Q	A3A9 187 G	A437 086 H	A499 0F7 F
A053 052 2	A098 000 E	A0F9 047 D	A174 045 C	A19X 000 E	A209 117 W	A309 066 F	A2D9 046 *	A374 011 Q	A3A9 188 H	A438 028 Z	A499 030 =
A054 285 E	A098 000 E	A0F9 048 D	A175 045 C	A19Y 000 E	A209 117 W	A310 066 F	A2D9 046 *	A375 011 Q	A3A9 198 C	A439 000 E	A499 059 C
A055 028 E	A098 000 E	A0F9 049 D	A176 045 C	A19Z 000 E	A209 117 W	A311 066 F	A2D9 046 *	A376 011 Q	A3A9 197 W	A440 0F6 E	A495 045 E
A056 285 E	A098 000 E	A0F9 050 F	A177 045 C	A19A 000 E	A209 117 W	A312 066 F	A2D9 046 *	A377 011 Q	A3A9 196 W	A441 086 E	A496 053 C
A057 028 E	A098 000 E	A0F9 051 F	A178 045 C	A19B 000 E	A209 117 W	A313 066 F	A2D9 046 *	A378 011 Q	A3A9 195 Z	A442 024 E	A497 0F3 C
A058 286 H	A098 000 E	A0F9 052 F	A179 045 C	A19C 000 E	A209 117 W	A314 066 F	A2D9 046 *	A379 011 Q	A3A9 194 Z	A443 024 B	A498 110 J
A059 055 F	A098 000 E	A0F9 053 F	A180 045 C	A19D 000 E	A209 117 W	A315 066 F	A2D9 046 *	A380 011 Q	A3A9 193 Z	A444 024 F	A498 044 E
A060 056 F	A098 000 E	A0F9 054 F	A181 045 C	A19E 000 E	A209 117 W	A316 066 F	A2D9 046 *	A381 011 Q	A3A9 192 Z	A445 044 E	A498 044 F
A061 056 F	A098 000 E	A0F9 055 F	A182 045 C	A19F 000 E	A209 117 W	A317 066 F	A2D9 046 *	A382 011 Q	A3A9 191 Z	A446 044 E	A498 028 *
A062 056 F	A098 000 E	A0F9 056 F	A183 045 C	A19G 000 E	A209 117 W	A318 066 F	A2D9 046 *	A383 011 Q	A3A9 190 Z	A447 044 E	A498 176 Z

A4B4 0F3 c	R51F 122 *	R584 19F -	A5E9 19B I	A64E 186 F	A683 138 0	R718 143 c	R77D 124 \$	A7E2 041 a	R847 058 F	R8AC 1CF 4	A911 059 e
A4B8 054 d	R52B 1CE Σ	R585 008 H	A5E4 018 P	A64F 185 E	A684 125 z	R719 141 a	A77E 142 b	A7E3 043 *	R848 039 =	R8AB 066 *	A912 026 .
A4BC 052 b	A521 005 E	A586 10E I	A5E8 19A Z	A650 1CC *	A685 141 a	R71A 124 \$	A77F 123 0	A7E4 045 e	R849 198 [	A8AE 171 a	A913 102 B
A4BD 059 a	A522 1CE Σ	A587 00E H	A5E2 010 P	A651 019 Y	A686 123 0	R71B 129 *	A780 140 b	A7E5 037 ?	R84A 004 D	A8AF 1AE .	A914 1F2 b
A4BE 101 a	A523 002 B	A588 008 H	A5E3 188 H	A652 0F4 d	A687 120	R71C 143 c	A781 128 C	A7E6 18C L	R848 18E M	R888 088	A915 07F 4
A4BF 198 I	A524 175 e	A589 19F -	A5E5 19A Z	A653 008 E	A688 148 F	R71D 142 b	A782 143 c	A7E7 18E H	R84C 186 F	R8B1 147 *	A916 030 =
A4C0 005 E	A525 185 E	A58A 008 H	A5E7 073 c	A654 048 F	A689 143 c	R71E 125 z	A783 154 d	A7E8 188 K	R84D 1F7 *	A882 184 D	A917 198 [
A4C1 198 I	A526 1CB Γ	A58B 19F *	A5F8 178 Γ	A655 045 e	A690 150 F	R71F 126 z	A784 135 5	A7E9 194 Z	R84E 046 *	A883 188 H	A918 073 c
A4C2 006 F	A527 003 C	A58C 007 G	A5F1 189 9	A656 058 F	A688 129 *	R720 142 b	A785 1F4 d	A7E9 003 C	R84F 031 1	A884 158 F	A919 17E Σ
A4C3 198 I	A528 0F2 b	A58D 1E0 F	A5F2 040	A657 1CF 4	A68C 165 e	R721 141 a	A786 046 *	A7E8 1CF 4	R850 202 *	A885 185 E	A91A 1AC ,
A4C4 002 B	A529 000 E	A58E 007 G	A5F3 187 G	A658 066 E	A693 143 c	R722 143 c	A787 056 *	A7E9 066 *	R851 046 *	A886 189 I	A918 037 7
A4C5 1F2 b	A52A 028 *	A5F8 088	A5F4 19A Z	A659 189 )	A68E 131 I	R723 193 S	A788 039 =	A7E9 1F8 Γ	R852 032 2	A887 150 F	A91C 184 D
A4C6 1F7 4	A528 142 b	A590 19F -	A5F5 072 b	A65A 016 V	A68F 1F2 B	A724 009 I	A789 024 *	A7EE 047 *	R853 030 E	A888 187 G	A91D 105 E
A4C7 030 =	A52C 133 3	A591 007 G	A5F6 178 Γ	A65B 19A *	A690 184 Σ	R725 161 a	A790 198 I	A7EF 055 e	R854 030 0	A889 171 a	A91E 1AE .
A4C8 198 I	A52D 176 *	A592 19F *	A5F7 186 6	A65C 017 M	A6C1 03D =	R726 111 0	A788 073 C	A7F0 045 e	R855 17E Σ	A88A 158 F	A91F 000 0
A4C9 003 C	A52E 143 c	A593 006 F	A5F8 018 X	A65D 1F1 a	A6C2 19B I	R727 018 I	A78C 17E Σ	A7F1 053 c	A856 189 I	A88B 171 a	A920 109 I
A4CA 17E Σ	A52F 176 *	A594 185 E	A5F9 187 G	A65E 038 0	A6C3 073 c	A78D 185 E	A7F2 053 c	A7F5 170 F	A857 120 *	A88C 185 E	A921 125 z
A4CB 181 I	A530 187 G	A595 181 R	A5F9A 190 P	A65F 19A Z	A6C4 17E Σ	R729 017 N	A78E 189 I	A7F3 031 I	A858 060 *	A88D 1CF 4	A922 153 c
A4CC 091 I	A531 185 E	A596 171 a	A5F9B 092 R	A660 000 E	A6C5 185 E	A72A 146 *	A78F 111 0	A7F4 030 *	A859 066 *	A88E 060 0	A923 18A .
A4CD 1C9 F	A532 1CA P	A597 171 a	A5F9C 178 Γ	A661 1F1 a	A6C6 1CF 4	R72B 187 7	A790 1E0 I	A7F5 037 ?	A85A 1CC P	A88F 12F /	A924 088 D
A4CE 009 I	A533 001 A	A598 171 a	A5F9D 188 8	A662 031 I	A6C7 067 *	R72C 028 *	A791 008 J	A7F6 18E H	A85B 013 S	A88G 128 *	A925 167 G
A4CF 0F4 d	A534 0F2 b	A599 171 a	A5F9E 086 F	A663 19A Z	A6C8 132 2	R72D 129 *	A792 089 I	A7F7 131 I	A85C 22F /	A8C1 12A *	A926 125 z
A4D0 000 0	A535 000 E	A59A 171 a	A5F9F 175 e	A664 001 R	A6C9 111 0	R72E 101 R	A793 121 I	A7F8 1F8 Γ	A85D 025 z	A8C2 12A *	A927 142 b
A4D1 059 a	A536 02F *	A598 171 a	A600 196 V	A665 1F1 a	A6C8 018 I	R72F 111 0	A794 154 d	A7F9 047 *	A85E 220	A8C3 1E0 P	A928 155 e
A4D2 045 c	A537 171 a	A59C 185 E	A601 012 R	A666 032 Z	A6C9 012 R	R730 018 I	A795 193 c	A7FA 055 c	A860 011 A	A8C4 043 c	A929 180 J
A4D3 053 c	A538 133 3	A59D 1CB Γ	A602 181 R	A667 199 Z	A6C8 143 c	R731 012 R	A796 138 8	A7FB 045 e	A861 0F4 d	A8C5 089 I	A92A 126 t
A4D4 149 I	A539 142 b	A59E 009 I	A603 187 7	A668 002 B	A6C9 139 9	R732 142 b	A797 141 a	A7FC 053 c	A862 000 0	A8C7 12C *	A92C 181 I
A4D5 000 0	A53A 135 5	A59F 22F /	A604 00C L	A669 1F1 a	A6C8 111 0	R733 132 2	A798 129 *	A7FD 053 c	A863 040 *	A8C8 12B *	A92D 01F -
A4D6 1F3 c	A53B 187 G	A5A0 026 &	A605 108 H	A66A 033 3	A6C9 140 F	R734 1F2 b	A799 143 c	A7FE 032 2	A7FF 039 =	A8C9 12B *	A92E 108 H
A4D7 059 a	A53C 185 E	A5A1 230 0	A606 198 P	A666 198 Z	A6C8 137 7	R735 049 E	A800 185 E	A864 049 a	A865 042 E	A8C0 12E *	A92F 150 F
A4D8 045 c	A53D 1CB Γ	A5A2 0C6 F	A607 012 R	A666 003 C	A6C8 122 *	R736 039 =	A800 188 J	A866 115 U	A867 1F3 c	A8C1 038 ;	A931 125 %
A4D9 053 c	A53E 001 A	A5A3 06A B	A608 190 P	A66D 1F1 a	A6C9 122 R	R737 198 I	A801 188 H	A868 122 *	A869 040 C	A8C2 089 I	A932 142 b
A4D9 176 I	A53F 0F5 E	A5A4 1AR *	A609 011 Q	A66E 034 4	A6C8 186 G	R738 073 C	A802 132 2	A870 049 a	A869 149 a	A8C3 126 4	A933 126 4
A4D9 111 0	A53A 016 V	A5A5 016 V	A610 011 Q	A66F 199 Z	A6C8 184 E	R739 1F2 b	A803 121 I	A871 034 4	A872 043 C	A8C4 143 c	A934 140 F
A4DC 192 R	A541 052 b	A5A6 19A R	A610 157 *	A670 004 D	A6C8 124 \$	R73A 07F 4	A804 134 4	A873 049 E	A874 180 E	A8C5 120 *	A935 181 B
A4DD 000 H	A542 0E4 Σ	A5A7 017 W	A600 198 P	A666 198 Z	A6C8 025 Z	R740 185 E	A805 1RE *	A875 046 F	A876 088 C	A8C6 12E *	A936 026 C
A4DE 181 A	A543 044 d	A5A8 1AC *	A602 192 R	A672 035 5	A6C8 172 2	R741 172 E	A806 083 C	A876 182 C	A877 034 4	A8C7 120 *	A937 10F 4
A4DF 197 W	A544 040 *	A5A9 017 W	A603 190 P	A673 19A Z	A6C8 186 L	R742 185 E	A807 135 5	A878 046 *	A879 058 Γ	A8D1 1RE *	A938 026 C
A4E8 007 G	A545 128	A5A9 185 S	A604 196 V	A674 005 E	A6C8 125 Z	R743 185 E	A808 140 C	A880 122 *	A881 1C8 *	A8D2 080 B	A939 198 [
A4E1 180 A	A546 119 Y	A5A8 042 *	A605 166 V	A675 1F1 a	A6C8 123 2	R744 124 \$	A809 018 I	A882 122 *	A883 056 *	A8D3 136 6	A940 055 E
A4E3 067 *	A547 018 X	A5A9 191 Q	A606 181 Q	A676 191 Q	A6C8 123 2	R745 168 F	A810 196 C	A884 164 d	A885 164 d	A8D4 12F /	A941 17E Σ
A4E3 129 *	A548 012 R	A5A9 013 S	A607 032 2	A677 199 Z	A6C8 154 d	R746 141 a	A811 088 B	A886 083 C	A887 034 4	A8D5 123 *	A942 07F 4
A4E4 167 *	A549 011 Q	A5A8 1E0 P	A608 169 I	A678 006 F	A6C8 121 I	R747 142 b	A812 018 P	A888 083 C	A889 083 C	A8D6 120 *	A943 030 0
A4E5 11E *	A549 142 b	A5A9 064 d	A609 111 Q	A679 1F1 a	A6C8 160 F	R748 185 E	A813 122 *	A890 140 C	A891 140 C	A8D7 120 *	A944 026 C
A4E6 0F2 b	A548 112 Z	A5A9 088 H	A610 166 V	A680 083 C	A6C8 123 2	R749 187 7	A814 122 *	A892 125 Z	A893 056 *	A8D8 1E0 B	A945 087 C
A4E7 046 *	A549 012 R	A5A9 140 F	A611 191 Q	A681 011 Q	A6C8 123 2	R750 168 F	A815 121 I	A894 080 B	A895 026 *	A8D9 026 E	A946 17E Σ
A4E8 046 *	A549 011 Q	A5B0 182 B	A612 012 R	A682 002 G	A6C8 124 \$	R751 168 F	A816 141 a	A896 120 C	A897 1F3 C	A8D0 089 I	A947 185 E
A4E9 128 *	A54E 011 Q	A5B1 176 E	A613 166 Q	A683 019 Z	A6C8 123 2	R752 039 =	A817 126 E	A898 045 E	A899 045 E	A8D1 142 b	A948 07F 4
A4E9 11A Z	A54F 013 S	A5B2 196 V	A614 199 I	A684 006 H	A6C8 121 I	R753 181 I	A818 142 b	A899 049 a	A900 049 a	A8D2 125 %	A949 076 E
A4EB 011 R	A550 012 R	A5B3 018 P	A615 011 Q	A685 19A Z	A6C8 122 R	R754 198 I	A820 028 *	A890 049 a	A901 049 a	A8D3 125 %	A950 049 A
A4EC 143 I	A551 017 W	A5B4 010 P	A616 100 P	A686 008 H	A6C8 182 B	R755 128 E	A821 028 *	A892 049 a	A902 049 a	A8D4 125 %	A951 049 A
A4ED 187 G	A552 140 F	A5B5 111 Q	A617 199 Z	A687 001 A	A6C8 123 2	R756 172 E	A822 032 2	A893 049 a	A903 049 a	A8D5 125 %	A952 049 A
A4EE 198 I	A553 169 e	A5B6 018 B	A618 018 P	A688 039 9	A6C8 161 a	R757 185 E	A823 133 3	A894 049 a	A904 049 a	A8D6 125 %	A953 049 A
A4EF 045 c	A554 138 e	A5B7 012 R	A619 018 P	A689 019 Z	A6C8 124 \$	R758 069 A	A824 026 *	A895 049 a	A905 049 a	A8D7 125 %	A954 049 A
A4FF 1F6 F	A555 152 b	A5B8 013 S	A620 018 P	A690 001 I	A6C8 123 2	R759 121 I	A825 133 5	A896 049 a	A906 049 a	A8D8 125 %	A955 049 A
A4F1 077 4	A556 124 \$	A5B9 013 S	A621 018 P	A691 001 I	A6C8 123 2	R760 172 E	A826 125 2	A897 049 a	A907 049 a	A8D9 049 a	A956 049 A
A4F2 025 %	A557 142 b	A5B9 168 Γ	A622 012 R	A692 001 A	A6C8 123 2	R761 168 F	A827 056 *	A898 049 a	A908 049 a	A8D10 049 A	A957 049 A
A4F2 029	A558 168 Γ	A5B9 168 Γ	A623 012 R	A693 001 A	A6C8 123 2	R762 123 0	A828 056 *	A899 049 a	A909 049 a	A8D11 049 A	A958 049 A
A4F4 052 b	A559 185 E	A5B9 000 M	A624 018 C	A694 000 J	A6C8 123 2	R763 185 E	A829 056 *	A890 049 a	A910 049 a	A8D12 049 A	A959 049 A
A4F5 045 d	A559 1C9 F	A5B9 187 G	A625 014 T	A695 011 A	A6C8 123 2	R764 069 A	A830 026 *	A891 049 a	A911 049 a	A8D13 049 A	A960 049 A
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A4F7 046 F	A559 0F3 c	A5C1 184 D	A627 019 P	A697 019 A	A6C8 123 2	R766 077 4	A832 049 a	A893 049 a	A913 049 A	A8D15 049 A	A962 049 A
A4F8 054 d	A559 000 E	A5C2 111 Q	A628 014 T	A698 000 K	A6C8 123 2	R767 053 C	A833 049 a	A894 049 a	A914 049 A	A8D16 049 A	A963 049 A
A4F9 176 I	A559 046 *	A5C3 018 I	A628 012 R	A699 012 P	A6C8 123 2	R768 058 *	A834 021 T	A895 049 a	A915 049 A	A8D17 049 A	A964 049 A
A4F9 176 I	A560 000 H	A5C4 012 R	A629 014 T	A700 018 H	A6C8 123 2	R769 198 I	A835 026 2	A896 049 a	A916 049 A	A8D18 049 A	A965 049 A
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A508 046 E	A561 000 H	A5C6 018 P	A631 018 P	A702 018 G	A6C8 123 2	R771 168 F	A837 026 2	A898 049 a	A918 049 A	A8D20 049 A	A967 049 A
A508 046 E	A562 19F *	A5C7 0F3 c	A632 012 R	A703 018 I	A6C8 123 2	R772 168 F	A838 026 2	A899 049 a	A919 049 A	A8D21 049 A	A968 049 A
A508 046 E	A563 009 I	A5C8 169 P	A633 018 P</								

A976 140 F	A9DB 08F 0	AA40 002 B	AA55 191 Q	AB0A 018 X	AB6F 117 W	ABD4 185 E
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A978 11D 1	A9DD 184 4	AA42 000 e	AA47 1A9 )	AB0C 186 6	AB71 1B7 7	ABD6 002 B
A979 0F2 b	A9DE 087 G	AA43 031 1	AA48 008 H	AB0D 084 D	AB72 029 )	ABD7 0F3 c
A97A 055 e	A9DF 141 a	AA44 030 0	AA49 1AC ,	AB0E 111 Q	AB73 111 Q	ABD8 008 0
A97B 056 +	A9E0 196 V	AA45 1F2 b	AA4A 007 C	AB0F 010 P	AB74 010 P	ABD9 050 F
A97C 1C8 F	A9E1 00F 0	AA46 031 1	AA4B 1A8 (	AB10 192 R	AB75 192 R	ABD9 084 F
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A983 056 +	A9E8 00F 0	AA4D 185 E	AA4B 192 H	AB17 1A8 (	AB7C 198 P	ABE1 013 S
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A987 154 d	A9EC 00E H	AA51 000 0	AA4B 020	AB21 13F ?	AB80 0F2 b	ABE5 059 e
A988 181 1	A9ED 111 Q	AA52 053 c	AA53 053 C	AB22 01E a	AB81 044 d	ABE6 047 4
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