
PET Basic Renumber

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USING PET RENUMBER 3.0

PET Renumber occupies 384 bytes at the end of an 8K PET RAM memory. The POKE 134,128 and POKE 135,30 statements set the top end of PET BASIC working memory below the PET Renumber program. This protects PET Renumber from BASIC. The SYS7808 transfers control to the PET Renumber Program.

PET Renumber uses 1K of screen memory as a storage buffer for the old line numbers. It first copies the old line numbers to the screen buffer. On this first pass PET Renumber generates the new line numbers and inserts them at the beginning of each line.

On the second pass, PET Renumber fixes the THEN, GOTO, GOSUB, and RUN line number references. It looks for these tokens followed by an ASCII number. If there is a number, it searches the old line number in the screen buffer and generates its new number. If the number is found the new number is inserted after the token.

Sometimes while PET Renumber is inserting new line numbers which are larger or smaller, the source is expanded or compressed. This is done one byte at a time from where the number is being inserted.

After the second pass is completed PET Renumber jumps back into PET BASIC. It goes into a routine to fix up the line links and then goes back into BASIC.

Limitations

Pet Renumber uses PET's 1K TV screen RAM as a buffer. The old line numbers take two bytes each. Therefore, the screen buffer can only hold 511 old line numbers. Also PET Renumber occupies 384 bytes of the 7167 bytes free to the user. This limits the size of the program after renumbering to 6783 bytes.

```
LOAD    PET RENUMBER
TYPE    "NEW"
POKE    134, 128 : POKE 135, 30
LOAD    The program to be renumbered
TYPE    SYS 7808

When cursor returns your program is renumbered
Starting at 100 step by 10

To change the start number
POKE 7809, LLL Lo BYTE Start # in
POKE 7813, HHH Hi BYTE 2 byte binary

To change the step size
POKE 7817, SSS STEP SIZE <256
THEN DO SYS7808
```

ALL THEN's, GOTO's, GOSUB's and RUN's will be renumbered.
Also ON X GOTO's and ON X GOSUB's will be renumbered.
BRANCHES TO NON EXISTANT LINE NUMBERS WILL BE CONVERTED TO
BRANCHES TO LINE NUMBER 65535 (an illegal line number)

SAVING PET RENUMBER 3.0

```
LOAD    PET RENUMBER
LOAD AND RUN MACHINE LANGUAGE MONITOR
TYPE    . S 01,PET RENUMBER 3.0,1E00,2000
```

23

LINE #	LOC	CODE	LINE	LOC	CODE
0841	0800				
0842	0800				
0843	0800				
0844	0800				
0845	0800				
0846	0800				
0847	0800				
0848	0800				
0849	0800				
0850	0800				
0851	0800				
0852	0800				
0853	0800				
0854	0800				
0855	0800				
0856	0800				
0857	0800				
0858	0800				
0859	0800				
0860	0800				
0861	0800				
0862	0800				
0863	0800				
0864	0800				
0865	0800				
0866	1E00				
0867	1E00				
0868	1E00				
0869	1E00				
0870	1E00				
0871	1E00				
0872	1E00				
0873	0800				
0874	1E00				
0875	1E00				
0876	1E00				
0877	1E00				
0878	1E00				
0879	1E00				
0880	0800				
0881	0800				
0882	0800				
0883	0800				
0884	0800				
0885	0800				
0886	0800				
0887	0800				
0888	0800				
0889	0800				
0890	0800				
0891	0800				
0892	0800				
0893	0800				
0894	0800				
0895	0800				
0896	0800				
0897	0800				
0898	0800				
0899	0800				
0900	0800				
0901	0800				
0902	0800				
0903	0800				
0904	0800				
0905	0800				
0906	1E00				
0907	1E00				
0908	1E00				
0909	1E00				
0910	1E00				
0911	1E00				
0912	0800				
0913	0800				
0914	0800				
0915	0800				
0916	0800				
0917	0800				
0918	0800				
0919	0800				
0920	0800				
0921	0800				
0922	0800				
0923	0800				
0924	0800				
0925	0800				
0926	0800			</	

[illegible]

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LINE # LOC CODE LINE # LOC CODE
8210 1F00 E6 7C INC VARTAB
8211 1F02 D8 02 BNE M020
8212 1F04 E6 7D INC VARTAB+1
8213 1F06 88 00 MOVN M020
8214 1F08 80 00 RTS
8215 1F0A 84 71 LDY INDEX1
8216 1F0C D8 02 BNE M060
8217 1F0E C6 72 DEC INDEX1+1
8218 1F10 C6 71 DEC INDEX1
8219 1F12 C6 71 DEC INDEX1
8220 1F14 C7 74 IF

8221 1F16 80 00 IF
8222 1F18 81 73 LDY #1
8223 1F1A 88 00 LDY INDEX2+1
8224 1F1C 84 71 LDY INDEX1
8225 1F1E D8 02 BNE M060
8226 1F20 C6 72 DEC INDEX1+1
8227 1F22 C6 71 DEC INDEX1
8228 1F24 C7 74 IF
8229 1F26 80 00 IF
8230 1F28 81 73 LDY #1
8231 1F2A 88 00 LDY INDEX2+1
8232 1F2C 84 71 LDY INDEX1
8233 1F2E D8 02 BNE M060
8234 1F30 C6 72 DEC INDEX1+1
8235 1F32 C6 71 DEC INDEX1
8236 1F34 C7 74 IF
8237 1F36 80 00 IF
8238 1F38 81 73 LDY #1
8239 1F3A 88 00 LDY INDEX2+1
8240 1F3C 84 71 LDY INDEX1
8241 1F3E D8 02 BNE M060
8242 1F40 C6 72 DEC INDEX1+1
8243 1F42 C6 71 DEC INDEX1
8244 1F44 C7 74 IF
8245 1F46 80 00 IF
8246 1F48 81 73 LDY #1
8247 1F4A 88 00 LDY INDEX2+1
8248 1F4C 84 71 LDY INDEX1
8249 1F4E D8 02 BNE M060
8250 1F50 C6 72 DEC INDEX1+1
8251 1F52 C6 71 DEC INDEX1
8252 1F54 C7 74 IF
8253 1F56 80 00 IF
8254 1F58 81 73 LDY #1
8255 1F5A 88 00 LDY INDEX2+1
8256 1F5C 84 71 LDY INDEX1
8257 1F5E D8 02 BNE M060
8258 1F60 C6 72 DEC INDEX1+1
8259 1F62 C6 71 DEC INDEX1
8260 1F64 C7 74 IF
8261 1F66 80 00 IF
8262 1F68 81 73 LDY #1
8263 1F6A 88 00 LDY INDEX2+1
8264 1F6C 84 71 LDY INDEX1
8265 1F6E D8 02 BNE M060
8266 1F70 C6 72 DEC INDEX1+1
8267 1F72 C6 71 DEC INDEX1
8268 1F74 C7 74 IF
8269 1F76 80 00 IF
8270 1F78 81 73 LDY #1
8271 1F7A 88 00 LDY INDEX2+1
8272 1F7C 84 71 LDY INDEX1
8273 1F7E D8 02 BNE M060
8274 1F80 C6 72 DEC INDEX1+1
8275 1F82 C6 71 DEC INDEX1
8276 1F84 C7 74 IF
8277 1F86 80 00 IF
8278 1F88 81 73 LDY #1
8279 1F8A 88 00 LDY INDEX2+1
8280 1F8C 84 71 LDY INDEX1
8281 1F8E D8 02 BNE M060
8282 1F90 C6 72 DEC INDEX1+1
8283 1F92 C6 71 DEC INDEX1
8284 1F94 C7 74 IF
8285 1F96 80 00 IF
8286 1F98 81 73 LDY #1
8287 1F9A 88 00 LDY INDEX2+1
8288 1F9C 84 71 LDY INDEX1
8289 1F9E D8 02 BNE M060
8290 1FA0 C6 72 DEC INDEX1+1
8291 1FA2 C6 71 DEC INDEX1
8292 1FA4 C7 74 IF
8293 1FA6 80 00 IF
8294 1FA8 81 73 LDY #1
8295 1FAA 88 00 LDY INDEX2+1
8296 1FAC 84 71 LDY INDEX1
8297 1FAE D8 02 BNE M060
8298 1FB0 C6 72 DEC INDEX1+1
8299 1FB2 C6 71 DEC INDEX1
8300 1FB4 C7 74 IF
8301 1FB6 80 00 IF
8302 1FB8 81 73 LDY #1
8303 1FBA 88 00 LDY INDEX2+1
8304 1FBC 84 71 LDY INDEX1
8305 1FBE D8 02 BNE M060
8306 1FC0 C6 72 DEC INDEX1+1
8307 1FC2 C6 71 DEC INDEX1
8308 1FC4 C7 74 IF
8309 1FC6 80 00 IF
8310 1FC8 81 73 LDY #1
8311 1FCA 88 00 LDY INDEX2+1
8312 1FCC 84 71 LDY INDEX1
8313 1FCE D8 02 BNE M060
8314 1FD0 C6 72 DEC INDEX1+1
8315 1FD2 C6 71 DEC INDEX1
8316 1FD4 C7 74 IF
8317 1FD6 80 00 IF
8318 1FD8 81 73 LDY #1
8319 1FDA 88 00 LDY INDEX2+1
8320 1FDC 84 71 LDY INDEX1
8321 1FDE D8 02 BNE M060
8322 1FE0 C6 72 DEC INDEX1+1
8323 1FE2 C6 71 DEC INDEX1
8324 1FE4 C7 74 IF
8325 1FE6 80 00 IF
8326 1FE8 81 73 LDY #1
8327 1FEA 88 00 LDY INDEX2+1
8328 1FEC 84 71 LDY INDEX1
8329 1FEE D8 02 BNE M060
8330 1FF0 C6 72 DEC INDEX1+1
8331 1FF2 C6 71 DEC INDEX1
8332 1FF4 C7 74 IF
8333 1FF6 80 00 IF
8334 1FF8 81 73 LDY #1
8335 1FFA 88 00 LDY INDEX2+1
8336 1FFC 84 71 LDY INDEX1
8337 1FFE D8 02 BNE M060
8338 2000 C6 72 DEC INDEX1+1
8339 2002 C6 71 DEC INDEX1
8340 2004 C7 74 IF
8341 2006 80 00 IF
8342 2008 81 73 LDY #1
8343 200A 88 00 LDY INDEX2+1
8344 200C 84 71 LDY INDEX1
8345 200E D8 02 BNE M060
8346 2010 C6 72 DEC INDEX1+1
8347 2012 C6 71 DEC INDEX1
8348 2014 C7 74 IF
8349 2016 80 00 IF
8350 2018 81 73 LDY #1
8351 201A 88 00 LDY INDEX2+1
8352 201C 84 71 LDY INDEX1
8353 201E D8 02 BNE M060
8354 2020 C6 72 DEC INDEX1+1
8355 2022 C6 71 DEC INDEX1
8356 2024 C7 74 IF
8357 2026 80 00 IF
8358 2028 81 73 LDY #1
8359 202A 88 00 LDY INDEX2+1
8360 202C 84 71 LDY INDEX1
8361 202E D8 02 BNE M060
8362 2030 C6 72 DEC INDEX1+1
8363 2032 C6 71 DEC INDEX1
8364 2034 C7 74 IF
8365 2036 80 00 IF
8366 2038 81 73 LDY #1
8367 203A 88 00 LDY INDEX2+1
8368 203C 84 71 LDY INDEX1
8369 203E D8 02 BNE M060
8370 2040 C6 72 DEC INDEX1+1
8371 2042 C6 71 DEC INDEX1
8372 2044 C7 74 IF
8373 2046 80 00 IF
8374 2048 81 73 LDY #1
8375 204A 88 00 LDY INDEX2+1
8376 204C 84 71 LDY INDEX1
8377 204E D8 02 BNE M060
8378 2050 C6 72 DEC INDEX1+1
8379 2052 C6 71 DEC INDEX1
8380 2054 C7 74 IF
8381 2056 80 00 IF
8382 2058 81 73 LDY #1
8383 205A 88 00 LDY INDEX2+1
8384 205C 84 71 LDY INDEX1
8385 205E D8 02 BNE M060
8386 2060 C6 72 DEC INDEX1+1
8387 2062 C6 71 DEC INDEX1
8388 2064 C7 74 IF
8389 2066 80 00 IF
8390 2068 81 73 LDY #1
8391 206A 88 00 LDY INDEX2+1
8392 206C 84 71 LDY INDEX1
8393 206E D8 02 BNE M060
8394 2070 C6 72 DEC INDEX1+1
8395 2072 C6 71 DEC INDEX1
8396 2074 C7 74 IF
8397 2076 80 00 IF
8398 2078 81 73 LDY #1
8399 207A 88 00 LDY INDEX2+1
8400 207C 84 71 LDY INDEX1
8401 207E D8 02 BNE M060
8402 2080 C6 72 DEC INDEX1+1
8403 2082 C6 71 DEC INDEX1
8404 2084 C7 74 IF
8405 2086 80 00 IF
8406 2088 81 73 LDY #1
8407 208A 88 00 LDY INDEX2+1
8408 208C 84 71 LDY INDEX1
8409 208E D8 02 BNE M060
8410 2090 C6 72 DEC INDEX1+1
8411 2092 C6 71 DEC INDEX1
8412 2094 C7 74 IF
8413 2096 80 00 IF
8414 2098 81 73 LDY #1
8415 209A 88 00 LDY INDEX2+1
8416 209C 84 71 LDY INDEX1
8417 209E D8 02 BNE M060
8418 20A0 C6 72 DEC INDEX1+1
8419 20A2 C6 71 DEC INDEX1
8420 20A4 C7 74 IF
8421 20A6 80 00 IF
8422 20A8 81 73 LDY #1
8423 20AA 88 00 LDY INDEX2+1
8424 20AC 84 71 LDY INDEX1
8425 20AE D8 02 BNE M060
8426 20B0 C6 72 DEC INDEX1+1
8427 20B2 C6 71 DEC INDEX1
8428 20B4 C7 74 IF
8429 20B6 80 00 IF
8430 20B8 81 73 LDY #1
8431 20BA 88 00 LDY INDEX2+1
8432 20BC 84 71 LDY INDEX1
8433 20BE D8 02 BNE M060
8434 20C0 C6 72 DEC INDEX1+1
8435 20C2 C6 71 DEC INDEX1
8436 20C4 C7 74 IF
8437 20C6 80 00 IF
8438 20C8 81 73 LDY #1
8439 20CA 88 00 LDY INDEX2+1
8440 20CC 84 71 LDY INDEX1
8441 20CE D8 02 BNE M060
8442 20D0 C6 72 DEC INDEX1+1
8443 20D2 C6 71 DEC INDEX1
8444 20D4 C7 74 IF
8445 20D6 80 00 IF
8446 20D8 81 73 LDY #1
8447 20DA 88 00 LDY INDEX2+1
8448 20DC 84 71 LDY INDEX1
8449 20DE D8 02 BNE M060
8450 20E0 C6 72 DEC INDEX1+1
8451 20E2 C6 71 DEC INDEX1
8452 20E4 C7 74 IF
8453 20E6 80 00 IF
8454 20E8 81 73 LDY #1
8455 20EA 88 00 LDY INDEX2+1
8456 20EC 84 71 LDY INDEX1
8457 20EE D8 02 BNE M060
8458 20F0 C6 72 DEC INDEX1+1
8459 20F2 C6 71 DEC INDEX1
8460 20F4 C7 74 IF
8461 20F6 80 00 IF
8462 20F8 81 73 LDY #1
8463 20FA 88 00 LDY INDEX2+1
8464 20FC 84 71 LDY INDEX1
8465 20FE D8 02 BNE M060
8466 2100 C6 72 DEC INDEX1+1
8467 2102 C6 71 DEC INDEX1
8468 2104 C7 74 IF
8469 2106 80 00 IF
8470 2108 81 73 LDY #1
8471 210A 88 00 LDY INDEX2+1
8472 210C 84 71 LDY INDEX1
8473 210E D8 02 BNE M060
8474 2110 C6 72 DEC INDEX1+1
8475 2112 C6 71 DEC INDEX1
8476 2114 C7 74 IF
8477 2116 80 00 IF
8478 2118 81 73 LDY #1
8479 211A 88 00 LDY INDEX2+1
8480 211C 84 71 LDY INDEX1
8481 211E D8 02 BNE M060
8482 2120 C6 72 DEC INDEX1+1
8483 2122 C6 71 DEC INDEX1
8484 2124 C7 74 IF
8485 2126 80 00 IF
8486 2128 81 73 LDY #1
8487 212A 88 00 LDY INDEX2+1
8488 212C 84 71 LDY INDEX1
8489 212E D8 02 BNE M060
8490 2130 C6 72 DEC INDEX1+1
8491 2132 C6 71 DEC INDEX1
8492 2134 C7 74 IF
8493 2136 80 00 IF
8494 2138 81 73 LDY #1
8495 213A 88 00 LDY INDEX2+1
8496 213C 84 71 LDY INDEX1
8497 213E D8 02 BNE M060
8498 2140 C6 72 DEC INDEX1+1
8499 2142 C6 71 DEC INDEX1
8500 2144 C7 74 IF
8501 2146 80 00 IF
8502 2148 81 73 LDY #1
8503 214A 88 00 LDY INDEX2+1
8504 214C 84 71 LDY INDEX1
8505 214E D8 02 BNE M060
8506 2150 C6 72 DEC INDEX1+1
8507 2152 C6 71 DEC INDEX1
8508 2154 C7 74 IF
8509 2156 80 00 IF
8510 2158 81 73 LDY #1
8511 215A 88 00 LDY INDEX2+1
8512 215C 84 71 LDY INDEX1
8513 215E D8 02 BNE M060
8514 2160 C6 72 DEC INDEX1+1
8515 2162 C6 71 DEC INDEX1
8516 2164 C7 74 IF
8517 2166 80 00 IF
8518 2168 81 73 LDY #1
8519 216A 88 00 LDY INDEX2+1
8520 216C 84 71 LDY INDEX1
8521 216E D8 02 BNE M060
8522 2170 C6 72 DEC INDEX1+1
8523 2172 C6 71 DEC INDEX1
8524 2174 C7 74 IF
8525 2176 80 00 IF
8526 2178 81 73 LDY #1
8527 217A 88 00 LDY INDEX2+1
8528 217C 84 71 LDY INDEX1
8529 217E D8 02 BNE M060
8530 2180 C6 72 DEC INDEX1+1
8531 2182 C6 71 DEC INDEX1
8532 2184 C7 74 IF
8533 2186 80 00 IF
8534 2188 81 73 LDY #1
8535 218A 88 00 LDY INDEX2+1
8536 218C 84 71 LDY INDEX1
8537 218E D8 02 BNE M060
8538 2190 C6 72 DEC INDEX1+1
8539 2192 C6 71 DEC INDEX1
8540 2194 C7 74 IF
8541 2196 80 00 IF
8542 2198 81 73 LDY #1
8543 219A 88 00 LDY INDEX2+1
8544 219C 84 71 LDY INDEX1
8545 219E D8 02 BNE M060
8546 21A0 C6 72 DEC INDEX1+1
8547 21A2 C6 71 DEC INDEX1
8548 21A4 C7 74 IF
8549 21A6 80 00 IF
8550 21A8 81 73 LDY #1
8551 21AA 88 00 LDY INDEX2+1
8552 21AC 84 71 LDY INDEX1
8553 21AE D8 02 BNE M060
8554 21B0 C6 72 DEC INDEX1+1
8555 21B2 C6 71 DEC INDEX1
8556 21B4 C7 74 IF
8557 21B6 80 00 IF
8558 21B8 81 73 LDY #1
8559 21BA 88 00 LDY INDEX2+1
8560 21BC 84 71 LDY INDEX1
8561 21BE D8 02 BNE M060
8562 21C0 C6 72 DEC INDEX1+1
8563 21C2 C6 71 DEC INDEX1
8564 21C4 C7 74 IF
8565 21C6 80 00 IF
8566 21C8 81 73 LDY #1
8567 21CA 88 00 LDY INDEX2+1
8568 21CC 84 71 LDY INDEX1
8569 21CE D8 02 BNE M060
8570 21D0 C6 72 DEC INDEX1+1
8571 21D2 C6 71 DEC INDEX1
8572 21D4 C7 74 IF
8573 21D6 80 00 IF
8574 21D8 81 73 LDY #1
8575 21DA 88 00 LDY INDEX2+1
8576 21DC 84 71 LDY INDEX1
8577 21DE D8 02 BNE M060
8578 21E0 C6 72 DEC INDEX1+1
8579 21E2 C6 71 DEC INDEX1
8580 21E4 C7 74 IF
8581 21E6 80 00 IF
8582 21E8 81 73 LDY #1
8583 21EA 88 00 LDY INDEX2+1
8584 21EC 84 71 LDY INDEX1
8585 21EE D8 02 BNE M060
8586 21F0 C6 72 DEC INDEX1+1
8587 21F2 C6 71 DEC INDEX1
8588 21F4 C7 74 IF
8589 21F6 80 00 IF
8590 21F8 81 73 LDY #1
8591 21FA 88 00 LDY INDEX2+1
8592 21FC 84 71 LDY INDEX1
8593 21FE D8 02 BNE M060
8594 2200 C6 72 DEC INDEX1+1
8595 2202 C6 71 DEC INDEX1
8596 2204 C7 74 IF
8597 2206 80 00 IF
8598 2208 81 73 LDY #1
8599 220A 88 00 LDY INDEX2+1
8600 220C 84 71 LDY INDEX1
8601 220E D8 02 BNE M060
8602 2210 C6 72 DEC INDEX1+1
8603 2212 C6 71 DEC INDEX1
8604 2214 C7 74 IF
8605 2216 80 00 IF
8606 2218 81 73 LDY #1
8607 221A 88 00 LDY INDEX2+1
8608 221C 84 71 LDY INDEX1
8609 221E D8 02 BNE M060
8610 2220 C6 72 DEC INDEX1+1
8611 2222 C6 71 DEC INDEX1
8612 2224 C7 74 IF
8613 2226 80 00 IF
8614 2228 81 73 LDY #1
8615 222A 88 00 LDY INDEX2+1
8616 222C 84 71 LDY INDEX1
8617 222E D8 02 BNE M060
8618 2230 C6 72 DEC INDEX1+1
8619 2232 C6 71 DEC INDEX1
8620 2234 C7 74 IF
8621 2236 80 00 IF
8622 2238 81 73 LDY #1
8623 223A 88 00 LDY INDEX2+1
8624 223C 84 71 LDY INDEX1
8625 223E D8 02 BNE M060
8626 2240 C6 72 DEC INDEX1+1
8627 2242 C6 71 DEC INDEX1
8628 2244 C7 74 IF
8629 2246 80 00 IF
8630 2248 81 73 LDY #1
8631 224A 88 00 LDY INDEX2+1
8632 224C 84 71 LDY INDEX1
8633 224E D8 02 BNE M060
8634 2250 C6 72 DEC INDEX1+1
8635 2252 C6 71 DEC INDEX1
8636 2254 C7 74 IF
8637 2256 80 00 IF
8638 2258 81 73 LDY #1
8639 225A 88 00 LDY INDEX2+1
8640 225C 84 71 LDY INDEX1
8641 225E D8 02 BNE M060
8642 2260 C6 72 DEC INDEX1+1
8643 2262 C6 71 DEC INDEX1
8644 2264 C7 74 IF
8645 2266 80 00 IF
8646 2268 81 73 LDY #1
8647 226A 88 00 LDY INDEX2+1
8648 226C 84 71 LDY INDEX1
8649 226E D8 02 BNE M060
8650 2270 C6 72 DEC INDEX1+1
8651 2272 C6 71 DEC INDEX1
8652 2274 C7 74 IF
8653 2276 80 00 IF
8654 2278 81 73 LDY #1
8655 227A 88 00 LDY INDEX2+1
8656 227C 84 71 LDY INDEX1
8657 227E D8 02 BNE M060
8658 2280 C6 72 DEC INDEX1+1
8659 2282 C6 71 DEC INDEX1
8660 2284 C7 74 IF
8661 2286 80 00 IF
8662 2288 81 73 LDY #1
8663 228A 88 00 LDY INDEX2+1
8664 228C 84 71 LDY INDEX1
8665 228E D8 02 BNE M060
8666 2290 C6 72 DEC INDEX1+1
8667 2292 C6 71 DEC INDEX1
8668 2294 C7 74 IF
8669 2296 80 00 IF
8670 2298 81 73 LDY #1
8671 229A 88 00 LDY INDEX2+1
8672 229C 84 71 LDY INDEX1
8673 229E D8 02 BNE M060
8674 22A0 C6 72 DEC INDEX1+1
8675 22A2 C6 71 DEC INDEX1
8676 22A4 C7 74 IF
8677 22A6 80 00 IF
8678 22A8 81 73 LDY #1
8679 22AA 88 00 LDY INDEX2+1
8680 22AC 84 71 LDY INDEX1
8681 22AE D8 02 BNE M060
8682 22B0 C6 72 DEC INDEX1+1
8683 22B2 C6 71 DEC INDEX1
8684 22B4 C7 74 IF
8685 22B6 80 00 IF
8686 22B8 81 73 LDY #1
8687 22BA 88 00 LDY INDEX2+1
8688 22BC 84 71 LDY INDEX1
8689 22BE D8 02 BNE M060
8690 22C0 C6 72 DEC INDEX1+1
8691 22C2 C6 71 DEC INDEX1
8692 22C4 C7 74 IF
8693 22C6 80 00 IF
8694 22C8 81 73 LDY #1
8695 22CA 88 00 LDY INDEX2+1
8696 22CC 84 71 LDY INDEX1
8697 22CE D8 02 BNE M060
8698 22D0 C6 72 DEC INDEX1+1
8699 22D2 C6 71 DEC INDEX1
8700 22D4 C7 74 IF
8701 22D6 80 00 IF
8702 22D8 81 73 LDY #1
8703 22DA 88 00 LDY INDEX2+1
8704 22DC 84 71 LDY INDEX1
8705 22DE D8 02 BNE M060
8706 22E0 C6 72 DEC INDEX1+1
8707 22E2 C6 71 DEC INDEX1
8708 22E4 C7 74 IF
8709 22E6 80 00 IF
8710 22E8 81 73 LDY #1
8711 22EA 88 00 LDY INDEX2+1
8712 22EC 84 71 LDY INDEX1
8713 22EE D8 02 BNE M060
8714 22F0 C6 72 DEC INDEX1+1
8715 22F2 C6 71 DEC INDEX1
8716 22F4 C7 74 IF
8717 22F6 80 00 IF
8718 22F8 81 73 LDY #1
8719 22FA 88 00 LDY INDEX2+1
8720 22FC 84 71 LDY INDEX1
8721 22FE D8 02 BNE M060
8722 2300 C6 72 DEC INDEX1+1
8723 2302 C6 71 DEC INDEX1
8724 2304 C7 74 IF
8725 2306 80 00 IF
8726 2308 81 73 LDY #1
8727 230A 88 00 LDY INDEX2+1
8728 230C 84 71 LDY INDEX1
8729 230E D8 02 BNE M060
8730 2310 C6 72 DEC INDEX1+1
8731 2312 C6 71 DEC INDEX1
8732 2314 C7 74 IF
8733 2316 80 00 IF
8734 2318 81 73 LDY #1
8735 231A 88 00 LDY INDEX2+1
8736 231C 84 71 LDY INDEX1
8737 231E D8 02 BNE M060
8738 2320 C6 72 DEC INDEX1+1
8739 2322 C6 71 DEC INDEX1
8740 2324 C7 74 IF
8741 2326 80 00 IF
8742 2328 81 73 LDY #1
8743 232A 88 00 LDY INDEX2+1
8744 232C 84 71 LDY INDEX1
8745 232E D8 02 BNE M060
8746 2330 C6 72 DEC INDEX1+1
8747 2332 C6 71 DEC INDEX1
8748 2334 C7 74 IF
8749 2336 80 00 IF
8750 2338 81 73 LDY #1
8751 233A 88 00 LDY INDEX2+1
8752 233C 84 71 LDY INDEX1
8753 233E D8 02 BNE M060
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8755 2342 C6 71 DEC INDEX1
8756 2344 C7 74 IF
8757 2346 80 00 IF
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8759 234A 88 00 LDY INDEX2+1
8760 234C 84 71 LDY INDEX1
8761 234E D8 02 BNE M060
8762 2350 C6 72 DEC INDEX1+1
8763 2352 C6 71 DEC INDEX1
8764 2354 C7 74 IF
8765 2356 80 00 IF
8766 2358 81 73 LDY #1
8767 235A 88 00 LDY INDEX2+1
8768 235C 84 71 LDY INDEX1
8769 235E D8 02 BNE M060
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8775 236A 88 00 LDY INDEX2+1
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8779 2372 C6 71 DEC INDEX1
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8781 2376 80 00 IF
8782 2378 81 73 LDY #1
8783 237A 88 00 LDY INDEX2+1
8784 237C 84 71 LDY INDEX1
8785 237E D8 02 BNE M060
8786 2380 C6 72 DEC INDEX1+1
8787 2382 C6 71 DEC INDEX1
8788 2384 C7 74 IF
8789 2386 80 00 IF
8790 2388 81 73 LDY #1
8791 238A 88 00 LDY INDEX2+1
8792 238C 84 71 LDY INDEX1
8793 238E D8 02 BNE M060
8794 2390 C6 72 DEC INDEX1+1
8795 2392 C6 71 DEC INDEX1
8796 2394 C7 74 IF
8797 2396 80 00 IF
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8799 239A 88 00 LDY INDEX2+1
8800 239C 84 71 LDY INDEX1
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8803 23A2 C6 71 DEC INDEX1
8804 23A4 C7 74 IF
8805 23A6 80 00 IF
8806 23A8 81 73 LDY #1
8807 23AA 88 00 LDY INDEX2+1
8808 23AC 84 71 LDY INDEX1
8809 23AE D8 02 BNE M060
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8811 23B2 C6 71 DEC INDEX1
8812 23B4 C7 74 IF
8813 23B6 80 00 IF
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8815 23BA 88 00 LDY INDEX2+1
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8817 23BE D8 02 BNE M060
8818 23C0 C6 72 DEC INDEX1+1
8819 23C2 C6 71 DEC INDEX1
8820 23C4 C7 74 IF
8821 23C6 80 00 IF
8822 23C8 81 73 LDY #1
8823 23CA 88 00 LDY INDEX2+1
8824 23CC 84 71 LDY INDEX1
8825 23CE D8 02 BNE M060
8826 23D0 C6 72 DEC INDEX1+1
8827 23D2 C6 71 DEC INDEX1
8828 23D4 C7 74 IF
8829 23D6 80 00 IF
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8831 23DA 88 00 LDY INDEX2+1
8832 23DC 84 71 LDY INDEX1
8833 23DE D8 02 BNE M060
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8835 23E2 C6 71 DEC INDEX1
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8837 23E6 80 00 IF
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8843 23F2 C6 71 DEC INDEX1
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8845 23F6 80 00 IF
8846 23F8 81 73 LDY #1
8847 23FA 88 00 LDY INDEX2+1
8848 23FC 8
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