

JUMPING BACKWARDS WITH WADUZITDO

I found the WADUZITDO program (September 1978 BYTE, page 166) fun to play with and I noticed that the JUMP function could easily be modified to permit backward jumps, as follows:

```
00A5 FE 0100   LDX   LOC
00A8 C4 0F     AND B  #SOF
00AA 26 02     BNE   JF
```

Now, WADUZITDO can jump back in an absolute fashion (rather than relative), but the statement J:0 returns to the start of the program rather than to the last accept.

Also, two simple changes can save one level of nesting each:

```
004A 7E E1AC JIN   JMP  INEEE
004E 7E E1D1 JOUT  JMP  OUTEEE.
```

All of the above are simple modifications, but I rewrote the whole program to optimize it by using RAM in the STACK area for LOC, CHR and ELC, while deleting LST.

I am sorry to propose these modifications only in MOTOROLA M6800 format but I am sure that anyone using the 8080 can work it out on their own.

Keep up the good work for 6800 experimenters.

A De Longchamp
7600 Rousselot, Apt 6
Montreal, Quebec
CANADA H2E 1Z3