


```

DDDDDDDD LL LL NN NN AAAAAA MM MM
DDDDDDDD LL LL NN NN AAAAAA MM MM
DD DD LL LL NN NN AA AA MMMM MMMM
DD DD LL LL NN NN AA AA MMMM MMMM
DD DD LL LL NNNN NN AA AA MM MM
DD DD LL LL NNNN NN AA AA MM MM
DD DD LL LL NN NN NN AA AA MM MM
DD DD LL LL NN NN NN AA AA MM MM
DD DD LL LL NN NNNN AAAAAAAAAA MM MM
DD DD LL LL NN NNNN AAAAAAAAAA MM MM
DD DD LL LL NN NN AA AA MM MM
DD DD LL LL NN NN AA AA MM MM
DDDDDDDD LLLLLLLLLL LLLLLLLLLL NN NN AA AA MM MM
DDDDDDDD LLLLLLLLLL LLLLLLLLLL NN NN AA AA MM MM

```

```

RRRRRRR EEEEEEEEE QQQQQQ
RRRRRRR EEEEEEEEE QQQQQQ
RR RR EE QQ QQ
RR RR EE QQ QQ
RR RR EE QQ QQ
RRRRRRR EEEEEEEEE QQ QQ
RRRRRRR EEEEEEEEE QQ QQ
RR RR EE QQ QQ
RR RR EE QQ QQ
RR RR EE QQ QQ
RR RR EE QQ QQ
RR RR EEEEEEEEE QQQQ QQ
RR RR EEEEEEEEE QQQQ QQ

```

DLLNAM.REQ - Require file for doubly linked lists

Version: 'V04-000'

```
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```

Revision History:

```
30-03-77 CP deleted ENAB field from a BPT based structure.
13-04-77 CP changed REQUIRE file extension from REQ
to BEG for BSTRUC.
25-05-78 KM Delete the BPT structure. PATCH doesn't need it.
```

LITERAL

```
OVERHEAD_SYM =4, ! Overhead longwords required for doubly linked list of symbols
DLL_LEN =2, ! Length of minimal doubly linked list entry
SYM_LEN =2; ! Length of words needed for symbol
```

The following BASED_STRUCTURE declaration equates literal names with particular fields of each element of the doubly linked list.

```
BASED_STRUCTURE (DLL, DLL_LEN,
RLINK, 0, 0, 32, 0, ! Right link
LLINK, 1, 0, 32, 0); ! Left link

BASED_STRUCTURE (SYM, SYM_LEN + DLL_LEN,
VALUE, 2, 0, 32, 0, ! Value of symbol's address
CHCOUNT, 3, 0, 8, 0, ! Character count of symbol's name
CSTRING, 3, 0, 32, 0, ! Beginning of counted string
NAME, 3, 8, 32, 0); ! Symbolic name starts here
```

DLLNAM.REQ;1

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PA

' DLLNAM.REQ - LAST LINE

