

TO: MSPM Distribution  
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SUBJ: BE.7.08A  
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The attached revision of BE.7.08A changes 645 to 635  
and adds a note.

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Identification

Appendix to BE.7.08: Format of the core dump file.  
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Purpose

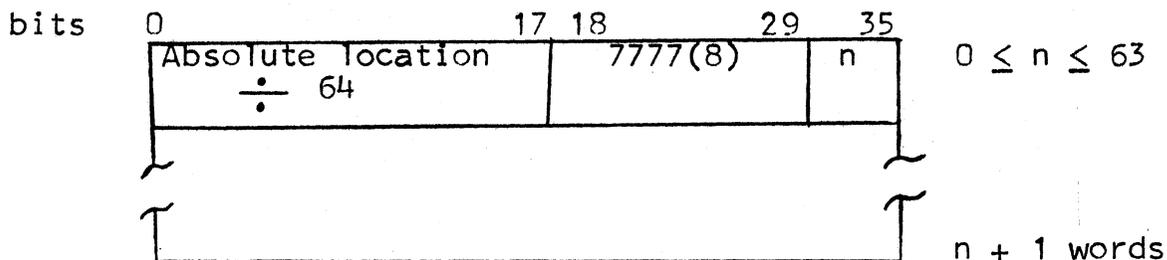
In order to reduce the size of dump files returned from the GE645 to CTSS, a packed format has been developed. The format allows two kinds of file compression:

- 1) 64-word blocks of words with identical contents can be compressed.
- 2) The user may instruct the dumper not to dump storage assigned to pure segments. Programs like GEBUG receiving such a dump file will thus be unable to answer user requests for the contents of pure segments, but this will seldom be important.

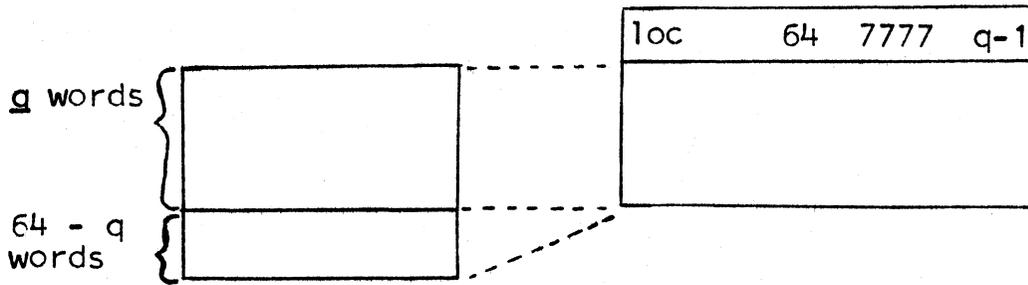
The Format

The "635 Core Image" mentioned on page 14 of BE.7.08 (03/09/66) is a sequence of "block dumps". Each block dump gives the contents of a 64-word block of GE635 storage. The block dumps will not be in any particular order.

A block dump has the following form:



This indicates that the  $n + 1$  words starting at the absolute location indicated are equal to the words dumped, and that the next  $64 - (n + 1)$  are all equal to the last word dumped. The mapping can be diagrammed as:



64 - word block  
at location loc  
in 635 storage

"block dump" in  
core dump file

Note

Where this write-up refers to a "635 location", we mean the virtual location as determined by the revolution registers set by GECOS. The 645 location corresponding to a 635 location can be determined by adding the number given in the left half of word 27(10) of the dump file.