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00073      STOP RUN.
00074
00075      B1-DIVISION-REMAINDER-HASHING.
00076      PERFORM C1-PREPARATIONS.
00077
00078      DISPLAY "*****> ENTER DIVISOR: "
00080      ACCEPT DIVISOR FROM CONSOLE.
00081
00082      PERFORM C2-COMPUTE-ADDRESS-BY-DIVISION
00083      UNTIL NO-MORE-KEYS.
00084
00085      B2-MID-SQUARE-HASHING.
00086      PERFORM C1-PREPARATIONS.
00087
00088      PERFORM C3-COMPUTE-ADDRESS-BY-MID-SQR
00089      UNTIL NO-MORE-KEYS.
00090
00091      B3-SHIFT-FOLDING-HASHING.
00092      PERFORM C1-PREPARATIONS.
00093
00094      PERFORM C4-COMPUTE-ADDRESS-BY-SFOLDING
00095      UNTIL NO-MORE-KEYS.
00096
00097      C1-PREPARATIONS.
00098      DISPLAY "*****> ENTER ADDRESS-OF-FIRST-BUCKET: "
00099      ACCEPT ADDRESS-OF-FIRST-BUCKET FROM CONSOLE.
00100
00101      DISPLAY "*****> ENTER NUMBER OF BUCKETS AVAILABLE: "
00102      ACCEPT NO-OF-BUCKETS FROM CONSOLE.
00103
00104      C2-COMPUTE-ADDRESS-BY-DIVISION.
00105      DISPLAY "*****> ENTER KEY VALUE: "
00106      ACCEPT KEY-VALUE FROM CONSOLE.
00107
00108      COMPUTE RELATIVE-ADDRESS = ADDRESS-OF-FIRST-BUCKET
00109      + (KEY-VALUE - (KEY-VALUE / DIVISOR) * DIVISOR).
00110
00111      DISPLAY "RELATIVE ADDRESS IS: " RELATIVE-ADDRESS.
00112
00113      DISPLAY "DO YOU WANT TO CONTINUE? TYPE YES OR NO: "
00114      ACCEPT MORE-KEYS FROM CONSOLE.
00115
00116      C3-COMPUTE-ADDRESS-BY-MID-SQR
00117      DISPLAY "*****> ENTER KEY VALUE: "
00118      ACCEPT KEY-VALUE FROM CONSOLE.
00119
00120      COMPUTE KEY-SQUARE = KEY-VALUE * KEY-VALUE.
00121      COMPUTE MID-VALUE = (KEY-SQUARE / 1000) -
00122      (KEY-SQUARE / 100000) * 100.
00123      COMPUTE RELATIVE-ADDRESS = MID-VALUE * NO-OF-BUCKETS / 100 +
00124      ADDRESS-OF-FIRST-BUCKET.
00125
00126

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