000100 IDENTIFICATION DIVISION. 00010000

000200 PROGRAM-ID. CBLPGM2. 00020000

000300 ENVIRONMENT DIVISION. 00030000

000400 INPUT-OUTPUT SECTION. 00040000

000500 FILE-CONTROL. 00050000

000600 SELECT INFILE ASSIGN TO UT-S-INFILE. 00060000

000700 DATA DIVISION. 00070000

000800 FILE SECTION. 00080000

000900 FD INFILE 00090000

001000 LABEL RECORDS STANDARD 00100000

001100 BLOCK CONTAINS 0 RECORDS. 00110000

001200 01 IN-REC PIC X(80). 00120000

001300 WORKING-STORAGE SECTION. 00130000

001400 01 NAME-N-CNTR-TABLE. 00140000

001500 05 FILLER PIC X(21) VALUE 'EQUILATERAL TRIANGLES'. 00150000

001600 05 FILLER PIC 9(04). 00160000

001700 05 FILLER PIC X(21) VALUE 'ISOSCELES TRIANGLES'. 00170000

001800 05 FILLER PIC 9(04). 00180000

001900 05 FILLER PIC X(21) VALUE 'SCALENE TRIANGLES'. 00190000

002000 05 FILLER PIC 9(04). 00200000

002100 05 FILLER PIC X(21) VALUE 'INVALID TRIANGLES'. 00210000

002200 05 FILLER PIC 9(04). 00220000

002300 01 N-N-C-TABLE REDEFINES NAME-N-CNTR-TABLE. 00230000

002400 05 N-N-C OCCURS 4 TIMES 00240000

002500 INDEXED BY TX. 00250000

002600 10 N-NAME PIC X(21). 00260000

002700 10 N-CNTR PIC 9(04). 00270000

002800 01 OUT-OF-RECS PIC X. 00280000

002900 01 TRIANGLE-TYPE PIC 9. 00290000

003000 01 WORK-REC. 00300000

003100 05 SIDE-A PIC 9(01). 00310000

003200 05 SIDE-B PIC 9(01). 00320000

003300 05 SIDE-C PIC 9(01). 00330000

003400 PROCEDURE DIVISION. 00340000

003500 MAIN-PARA. 00350000

003600 PERFORM INIT-PARA. 00360000

003700 PERFORM ANALYZE-NEXT-REC 00370000

003800 UNTIL OUT-OF-RECS = 'Y'. 00380000

003900 PERFORM ENDING-PARA. 00390000

004000 GOBACK. 00400000

004100 INIT-PARA. 00410000

004200 MOVE ZERO TO N-CNTR (1) N-CNTR (2) N-CNTR (3) N-CNTR (4). 00420000

004300 OPEN INPUT INFILE. 00430000

004400 MOVE 'N' TO OUT-OF-RECS. 00440000

004500 ANALYZE-NEXT-REC. 00450000

004600 READ INFILE INTO WORK-REC 00460000

004700 AT END 00470000

004800 MOVE 'Y' TO OUT-OF-RECS. 00480000

004900 IF OUT-OF-RECS = 'N' 00490000

005000 MOVE ZERO TO TRIANGLE-TYPE 00500000

005100 CALL 'TRITST' USING WORK-REC TRIANGLE-TYPE 00510000

005200 SET TX TO TRIANGLE-TYPE 00520000

005300 ADD 1 TO N-CNTR (TX). 00530000

005400 ENDING-PARA. 00540000

005500 CLOSE INFILE. 00550000

005600 CALL 'TRIRPT' USING NAME-N-CNTR-TABLE. 00560000