

SHARE PROGRAM LIBRARY AGENCY



PROGRAM NUMBER

060009

University of Miami

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SPLA

CONTROL NUMBER: 171

This form should be completed and submitted with the program package to the SHARE Program Library Agency at the address shown above. Standards and instructions for submitting programs are in the "SHARE Program Library Standards Manual".

- (1) Program Number (to be filled in by SPLA) 360D-06.0.009
- (2) System Type (machine) S360/370 OS
- (3) Search Key Comparison of Data Sets
-
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- (4) Programming Language PL/1 Optimizing Compiler
- (5) Author's Name and Address David Gomberg
- U76 UCSF
- San Francisco, CA 94143
- (6) Direct Inquiries to Name and Address
(if different than Author)
-
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-
- (7) Title of Program COMPARE data set utility
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-
- (8) Submitter's Installation Membership Code UCS
- (9) Submitter's Own Program Identification and Suffix(Optional) ... COMPARE 1.1
- 06 0
- (10) Primary Subject Code 360/370 OS
- (11) Operating or Monitor System Required
- (12) New or Revision Code (if revision, show prior Program Number in Item 1). N
- (13) Year Completed 1974
- (14) Date of Submittal Nov. 22, 1974
- (15) Documentation (number of original pages submitted) on tape
- (16) Abstract (should contain sufficient information for a reader to determine the value of the program). Listed on the reverse side of this form are subjects which may serve as a guide for a descriptive abstract.

SHARE PROGRAM LIBRARY SUBMITTAL FORM

Subject Guide:

- a. Purpose
- b. Programming Language used
- c. Version and modification level or release number
- d. Field of application
- e. Type of routine (main program, subroutine, etc.)
- f. Specific description of machine requirements

ABSTRACT COMPARE is a PL1 main program designed to compare two datasets, reporting on and recovering from common discrepancies. It is useful for testing output from a new version of a program against an older version where discrepancies (such as additional records in the new version) are expected. By using an option which allows the program to ignore leading or trailing columns, source decks which have been resequenced can be compared for changes in code.

COMPARE requires about 100k main memory plus storage for buffers and stacks of unmatched records. It uses an assembler language subroutine to attempt to predict insufficient main memory and terminate neatly.

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(Please attach additional pages if necessary).....Total pages attached _____

Permission to Publish

"I hereby give the SHARE Program Library Agency permission to reprint, reproduce, and distribute this program."

(17) Signature of Submitter and Date _____ 12/74

(18) Signature of Installation Addressee _____

360D-06.0.009

1/15/75

COMPARE distribution tape notes

The accompanying tape contains five files. The first three contain 80 character records in 1600 byte blocks (DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)).

The first file (named DIST) contains

Records	Contents
1-46	User Guide (upper and lower case)
47-59	Catalogued Procedure
60-407	PL/1 Source (use Optimizing compiler)
407-463	ASM Source for subroutine STORAGE

The second and third file contain test input. Remember, since they will be accessed simultaneously during testing, one of them will need to be copied to another device (see catalogued procedure). Dsname are TSTIN1 and TSTIN2.

The fourth and fifth files are test output. They contain 133 byte records with ASA carriage control in 1330 byte blocks (DCB=(RECFM=FB,LRECL=133,BLKSIZE=1330)). Dsname are SYSPRINT and MTCH.

The test job should be run using the EXEC card parameter "IGNORER=8" (see User Guide) since the decks in the test input data sets have been resequenced.

Files 2 and 3 (test input) are about 320 records each, files 4 and 5 are under 40 records each.