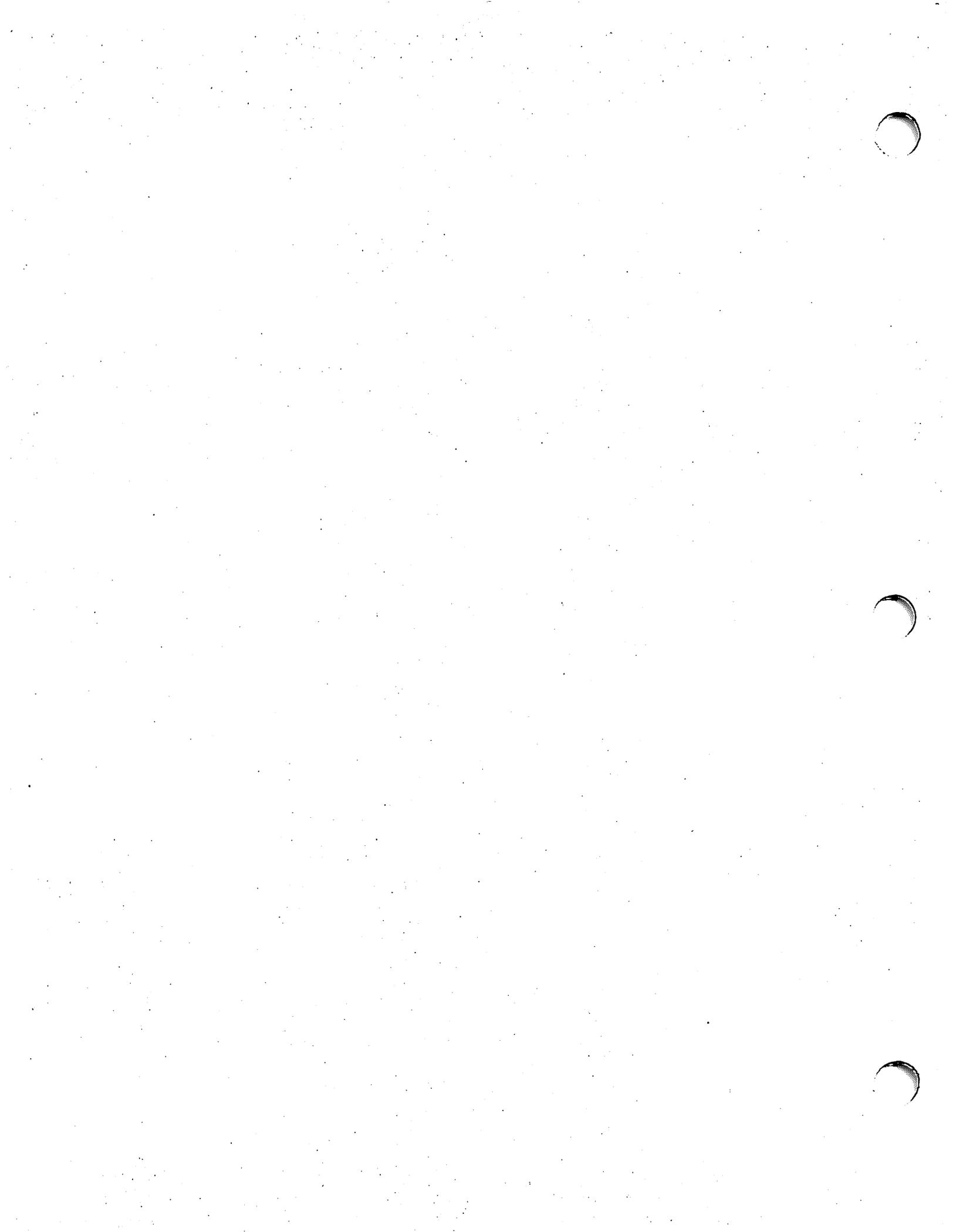ITEL LEASING CORPORATION

USER PROCEDURES

- ANSWER (*,*)   FORTRAN SUBROUTINE

  Inputs a "YES" or "NO" answer from standard input device. Returns to
  first label specified if answer is YES; returns to second label if
  answer is NO. Requests YES or NO answer if answer isn't one of the two.

  Useful in programs which require a conversational structure.

- ANSWER' (YESLABEL, NOLABEL)   SPL PROCEDURE

  LABEL YESLABEL,NOLABEL

  Same as ANSWER, but for use with SPL procedures.

- ASCIITOREAL (CHAR, LENGTH)   FORTRAN FUNCTION (REAL)

  CHAR: character string to be converted
  LENGTH: number of characters in CHAR

  Converts ASCII character string to equivalent decimal floating
  point number.

  Used by SPL procedures to convert ASCII input of a real number to its
  decimal equivalent.

Procedure head for SPL program:

    Real Procedure ASCIITOREAL (CHAR,LENGTH);
    BYTE ARRAY CHAR:
    INTEGER LENGTH:
    OPTION EXTERNAL:

For further information, contact

    Madeline A. Lombaerde
    Itel Leasing Corporation
    1 Embarcadero Center
    San Francisco, CA 94111
    (415) 983-0488

```
1      SUBROUTINE ANSWER(*,*)
2      CHARACTER*3 ANS,YES,NO,BLANK
3      YES="YES"
4      NO="NO "
5    1 ACCEPT ANS
6      IF(ANS.EQ.YES) RETURN 1
7      IF(ANS.EQ.NO) RETURN 2
8      DISPLAY "TYPE YES OR NO"
9      GO TO 1
10     END
```

TEXT FILE : ANSWER1

```
 1      BEGIN
 2      PROCEDURE ANSWER'(YESLABEL,NOLABEL);
 3      LABEL YESLABEL,NOLABEL;
 4      BEGIN
 5          BYTE ARRAY ANSWER(0:3);
 6          ARRAY ANS(*)=ANSWER,YES(0:0),NO(0:0),MESG(0:6);
 7          INTEGER LEN;
 8          INTRINSIC READ,PRINT;
 9      <<                                          >>
10      <<                 STATEMENTS               >>
11      <<                                          >>
12          ANS:="  ";
13          YES:="YE";
14          NO:="NO";
15          MOVE MESG:="TYPE YES OR NO";
16          READ'ANS: LEN:=READ(ANSWER,-4);
17          IF ANS=YES THEN GO TO YESLABEL
18                     ELSE IF ANS=NO OR LEN=0 THEN GO TO NOLABEL;
19          PRINT(MESG,7,0);
20          GO READ'ANS;
21      END;
22      END.
```

TEXT FILE : ANSWER2

89

```
1     FUNCTION ASCIITOREAL(CHAR,LENGTH)
2     CHARACTER*(LENGTH) CHAR
3     ASCIITOREAL=RNUM(CHAR)
4     RETURN
5     END
```

TEXT FILE : ASCREAL