NAME
SORTR8 − Sort a vector of REAL*8 numbers into ascending order.

SYNOPSIS
CALL SORTR8(N, X)

N   is the INTEGER*4 number of elements in X
X(N)   is the REAL*8 vector to be sorted

DESCRIPTION
If N is less than or equal to 1 the routine returns without doing anything. Otherwise it insertion-sorts the values into ascending order, then returns.

SEE ALSO
SORTI4, which sorts a vector of INTEGER*4 values.

LINKAGE
gfortran   source.f −L${HOME}/lib −lmisc

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EXAMPLE
```
      REAL*8 X(5)/1.D0,5.D0,3.D0,7.D0,-1.D0/
      WRITE(6,901) X
  901 FORMAT(5(1X,F4.1))
      CALL SORTR8(5,X)
      WRITE(6,901) X
      STOP
      END
```

This example produced the following output:

```
unix[1] a.out
  1.0  5.0  3.0  7.0 -1.0
 -1.0  1.0  3.0  5.0  7.0
unix[2]
```