NAME
ICEIL − Return the lowest INTEGER*4 not less than a given REAL*8.

SYNOPSIS
RESULT=ICEIL(R)

RESULT   is the INTEGER*4 ceiling of R
R   is the REAL*8 value whose ceiling is to be found

DESCRIPTION
This routine truncates the floating-point argument value to an integer. If that value is less than R, it adds 1
to the integer to ensure that it is not less than R.

SEE ALSO
IFLOR, which returns the INTEGER*4 floor of a REAL*8
IROUND, which returns the INTEGER*4 closest to a REAL*8

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

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EXAMPLE
```
      REAL*8 R/3.7D0/
      I=ICEIL(R)
      WRITE(6,901) R,I
      I=ICEIL(-R)
      WRITE(6,901) -R,I
  901 FORMAT('ceiling(',F4.1,')=',I2)
      STOP
      END
```

This example produced the following output:

```
unix[1] a.out
ceiling( 3.7)= 4
ceiling(-3.7)=-3
unix[2]
```