


Decimal to Fraction Converter

This program converts a decimal number to a fraction within the bounds of an input tolerance.

Enter the tolerance (from .1 to .0000000001), press E.

Enter the decimal, press A.

 TEXAS INSTRUMENTS				
DECIMAL TO FRACTION CONVERTER				
ENT DEC				TOLERANCE

After calculation, tolerance, numerator, and denominator will be printed.

Example:

Step	Enter	Press	Printed	
1 . Enter tolerance	0.000000001	E	0.000000001	TOL.
2 . Enter a decimal	2 nd π (13 digits)	A	3.141592654	
			103993.	NUM
			33102.	DEN

The fraction for $\pi = 103993/33102$ within the tolerance of 0.000000001.

Numerator = 103,993

Denominator = 33102