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Sample 1.  Compare Fortran's built-in gamma function to FM's

Maximum relative error in Fortran gamma was 1.3163085E-13 for A = 150.500
   4.661072627096765+261 = GAMMA(A)
   4.661072627097378+261 = GAMMA( TO_FM(A) )


Sample 2.  Binomial coefficients
           Find the probability of getting exactly 10,000 heads
           in 20,000 tosses of a fair coin.

BINOMIAL( TO_FM(20000), TO_FM(10000) ) / TO_FM(2)**20000 =  0.0056418253122204


Sample 3.  Log integral
           Estimate the number of primes less than 10**30.

LOG_INTEGRAL(TO_FM('1.0E+30')) =  1.469239889772045E+28


Sample 4.  Psi and polygamma functions.
           Sum (n=1 to infinity) 1/(n**2 * (8n+1)**2) =
           16*(psi(1) - psi(9/8)) + polygamma(1,1) + polygamma(1,9/8)

Sum = 0.0134994861454130


Sample 5.  Incomplete gamma and gamma functions.

Probability = 0.1937331301148714
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