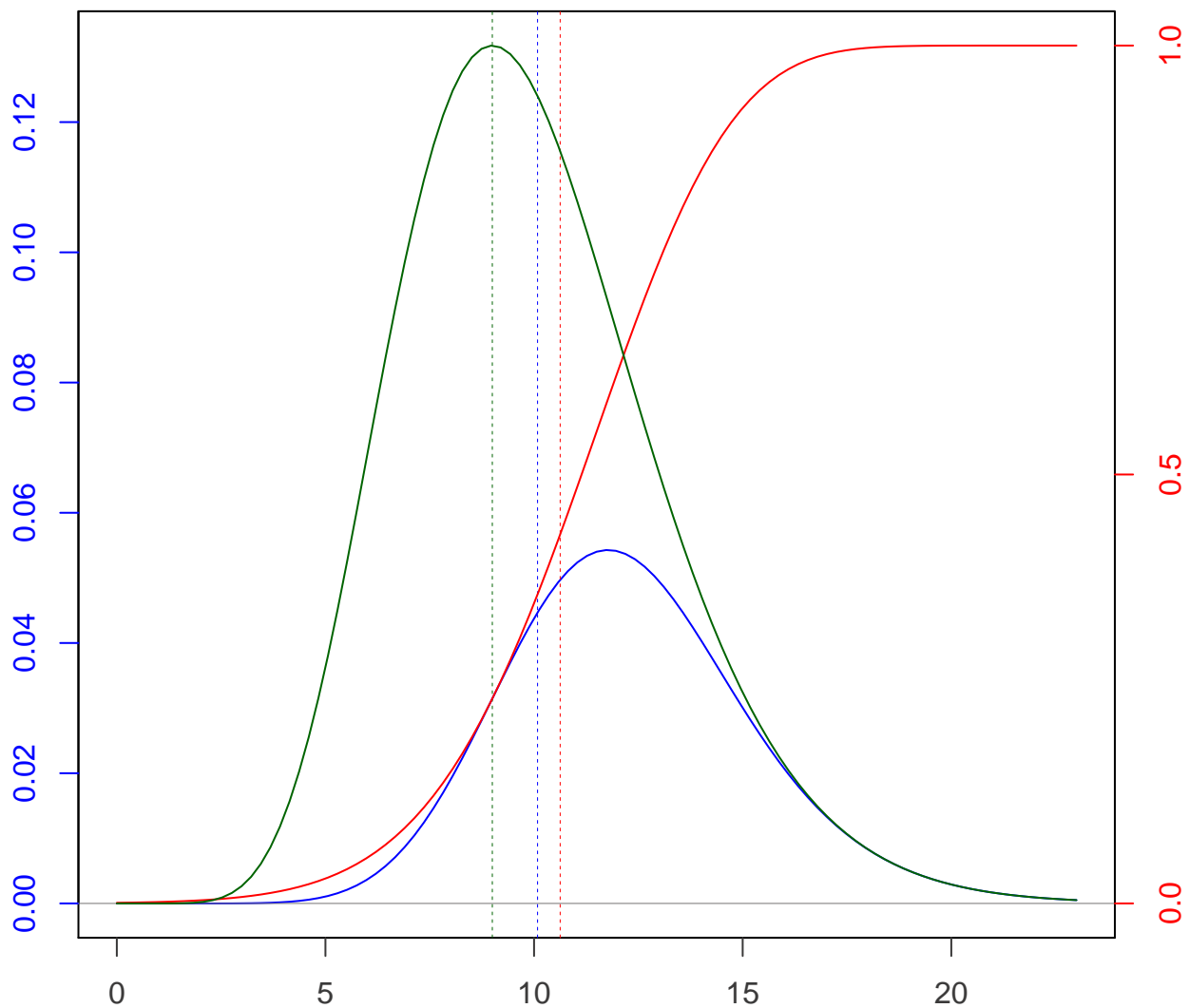


GxB integrand (blue) = Gamma density (green) x Beta CDF (red)
K = 10 L = 100



Area under the blue integrand is $p = 0.39$
Area under the green Gamma density is 1