

$x = 0.2$ inv_cdf = qunif(u, min = 0, max = 1).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 5/3, shape2 = 5/4).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 2, shape2 = 2).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 1.1, shape2 = 1).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 1, shape2 = 1.1).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 0.5, shape2 = 0.5).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 0.4, shape2 = 0.6).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 0.3, shape2 = 0.7).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 0.2, shape2 = 0.8).

$x = 0.2$ inv_cdf = qbeta(u, shape1 = 0.1, shape2 = 0.9).