

	UNIFORM	$d = 2$	$d = 3$	$d = 4$	d
$y = 1/3$	$x = 0.7$	$x \geq 0.57$	$x \geq 0.69$	$x \geq 0.75$	$x \geq (1/3)^{1/d}$
$y = 1/2$	$x = 0.8$	$x \geq 0.70$	$x \geq 0.79$	$x \geq 0.84$	$x \geq (1/2)^{1/d}$
$y = 2/3$	$x = 0.88$	$x \geq 0.81$	$x \geq 0.87$	$x \geq 0.90$	$x \geq (2/3)^{1/d}$