$inv_cdf = qnorm(u, mean = fit$par, sd = sd, lower.tail = lower.tail$

 $x = 20 \text{ inv_cdf} = \text{qnorm}(u, \text{mean} = 20)$

 $x = 20 \text{ inv_cdf} = qnorm(u, mean = 15)$ $x = 20 \text{ inv_cdf} = qnorm(u, mean = 15)$

 $x = 20 \text{ inv_cdf} = qnorm(u, mean = 15,$

 $x = 20 \text{ inv_cdf} = qnorm(u, mean = 10,$

Number