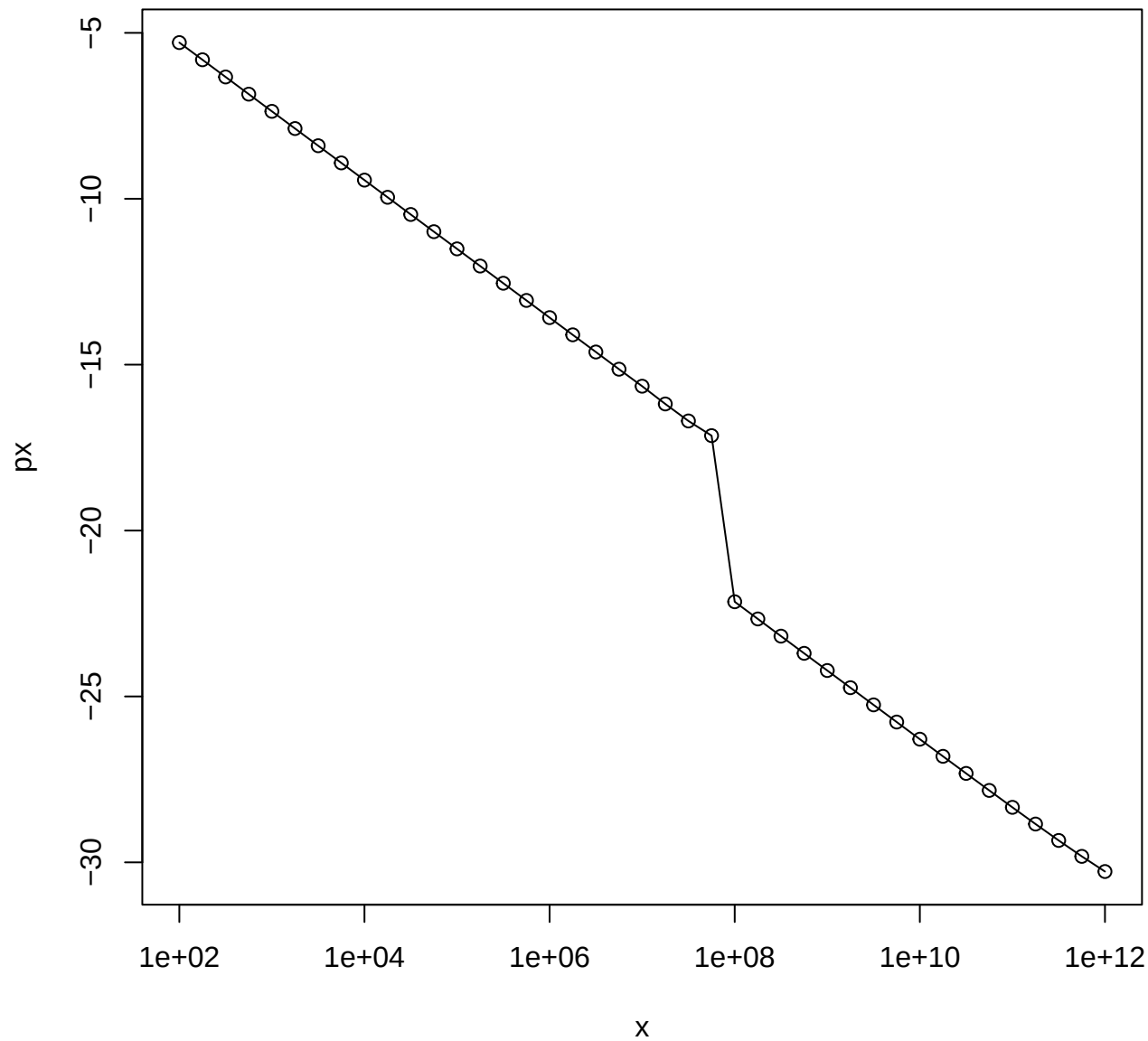
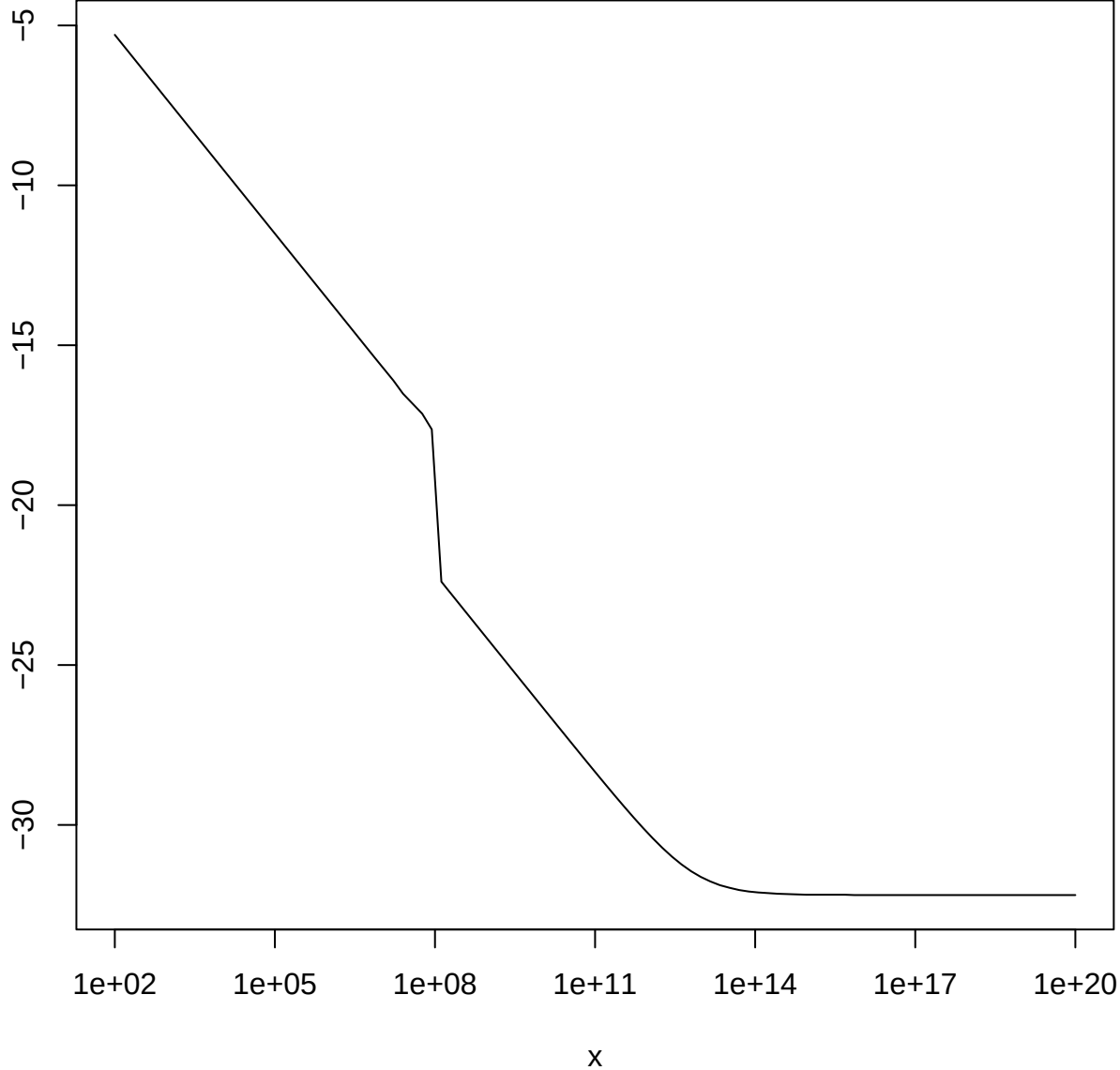
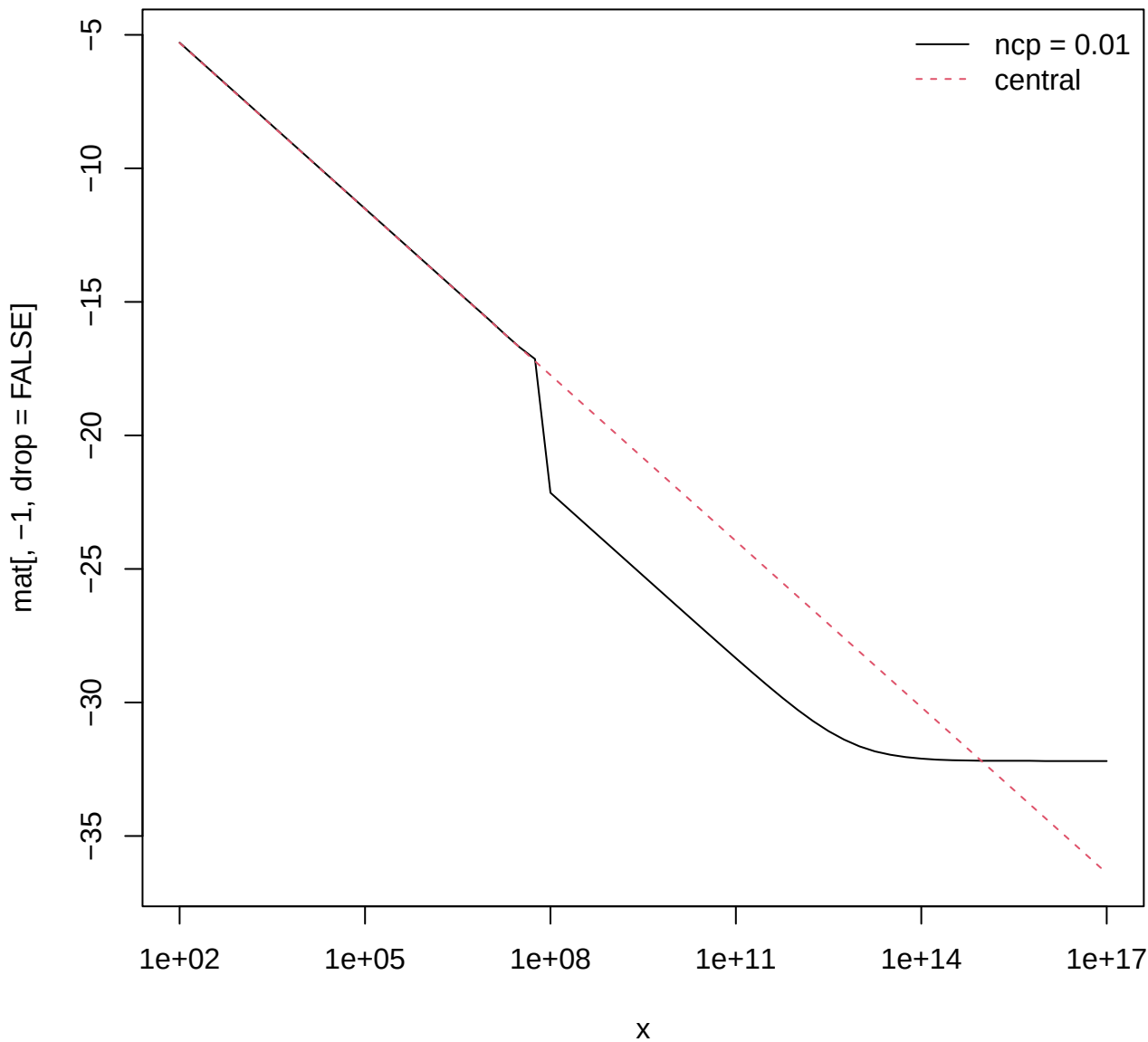




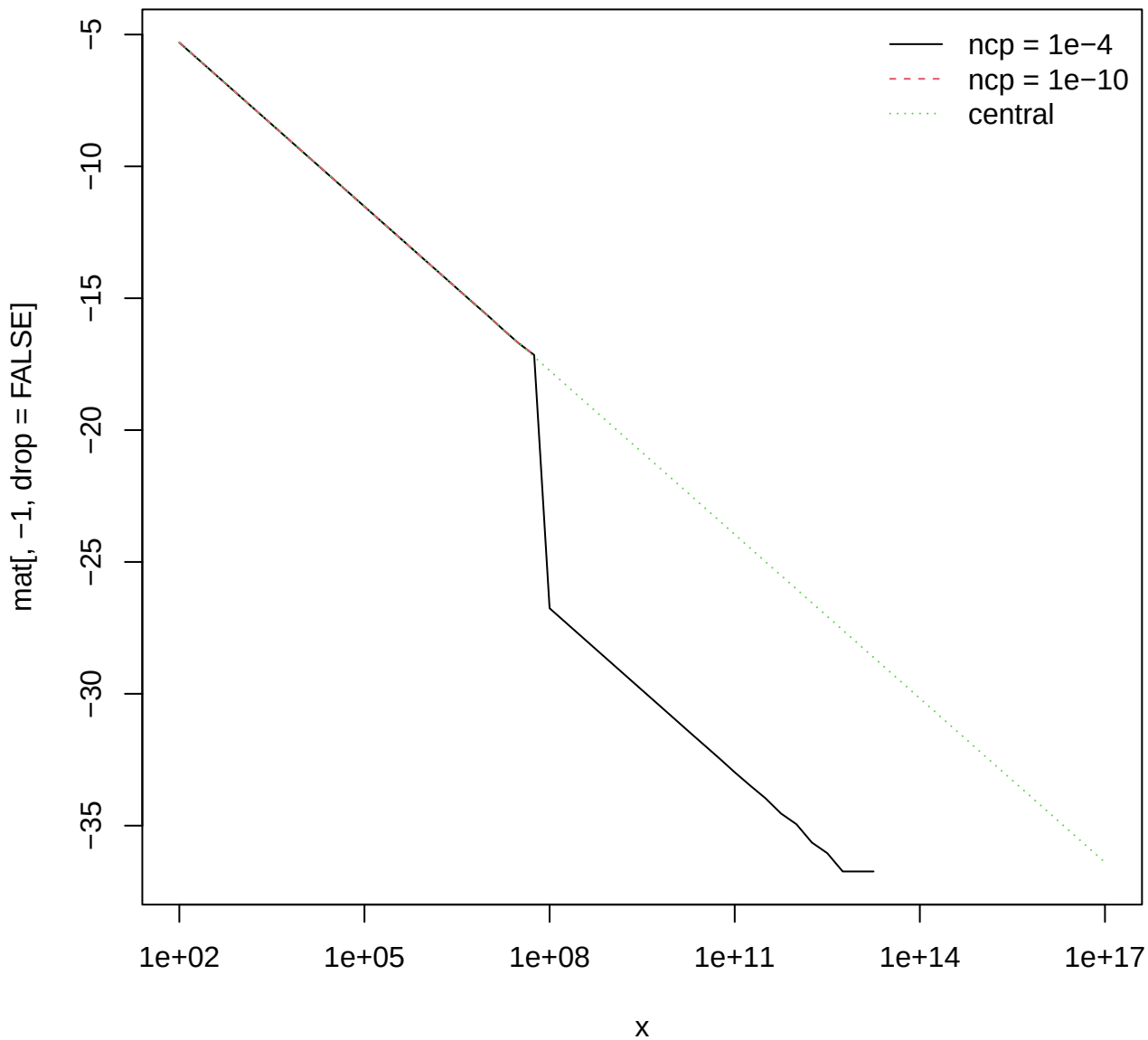
pt(x, df = 0.9, ncp = 0.01, lower.tail = FALSE, log = TRUE)



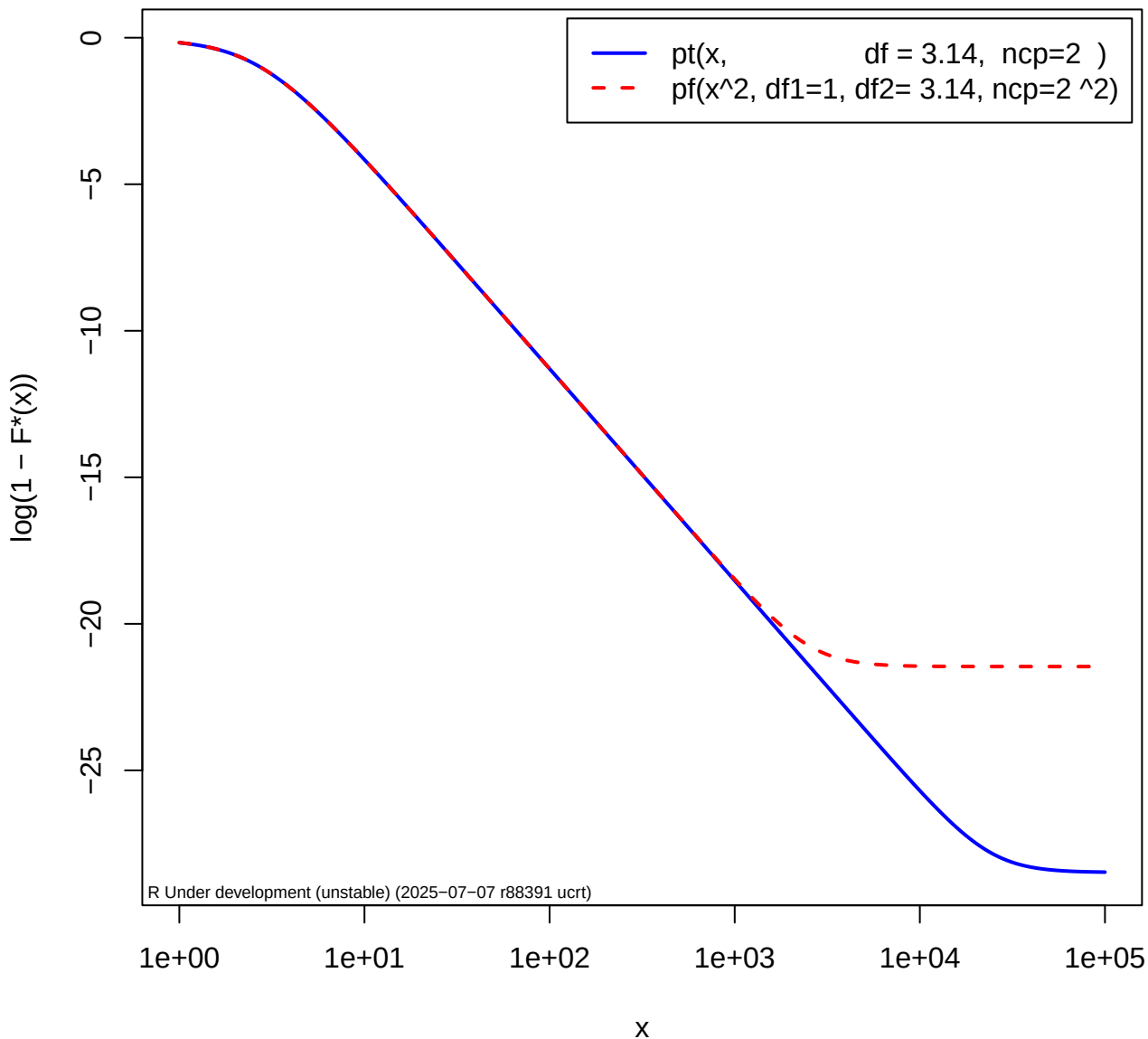
pt(x, df = 0.9, lower = F, log=TRUE)



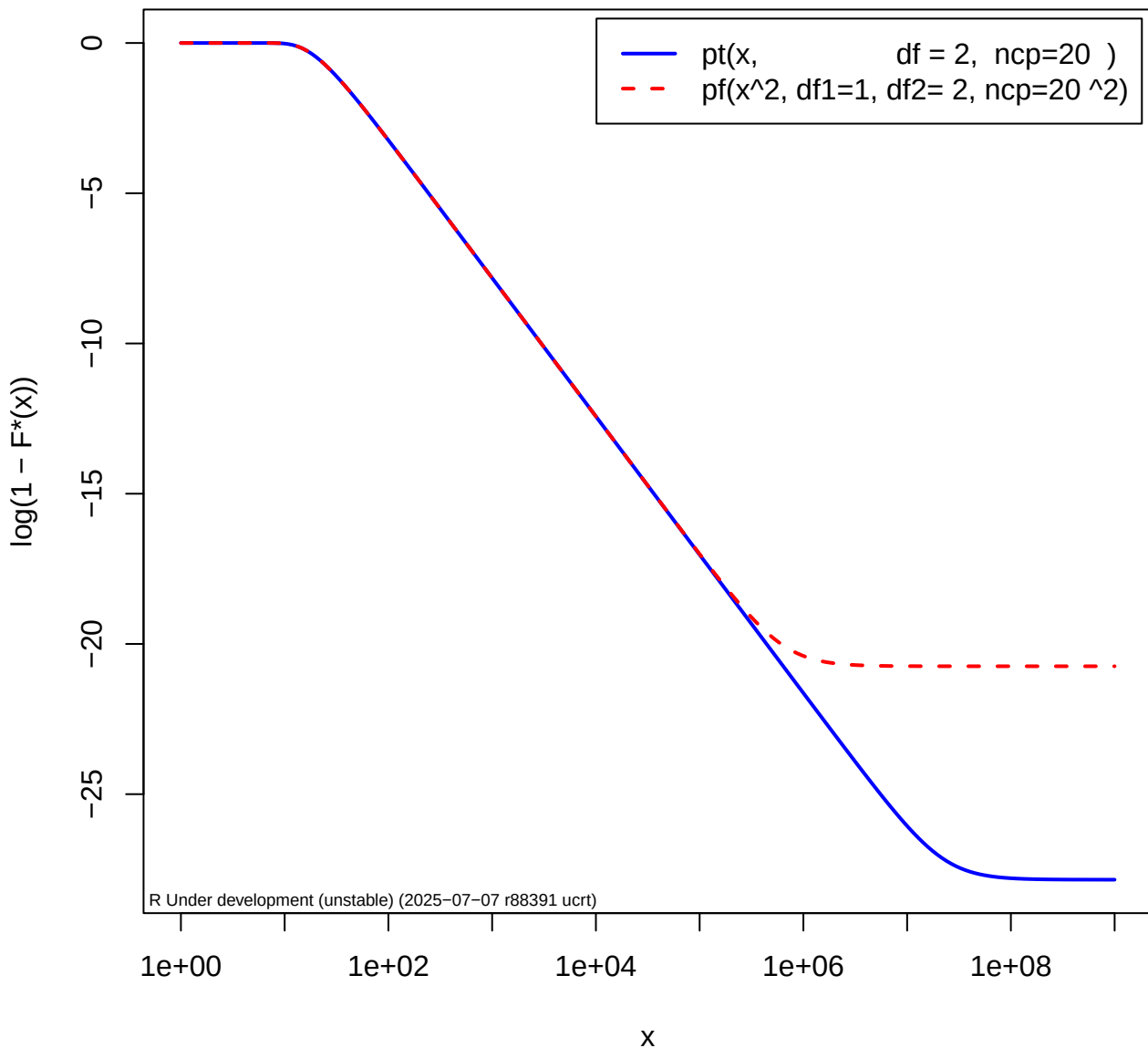
pt(x, df = 0.9, lower = F, log=TRUE)



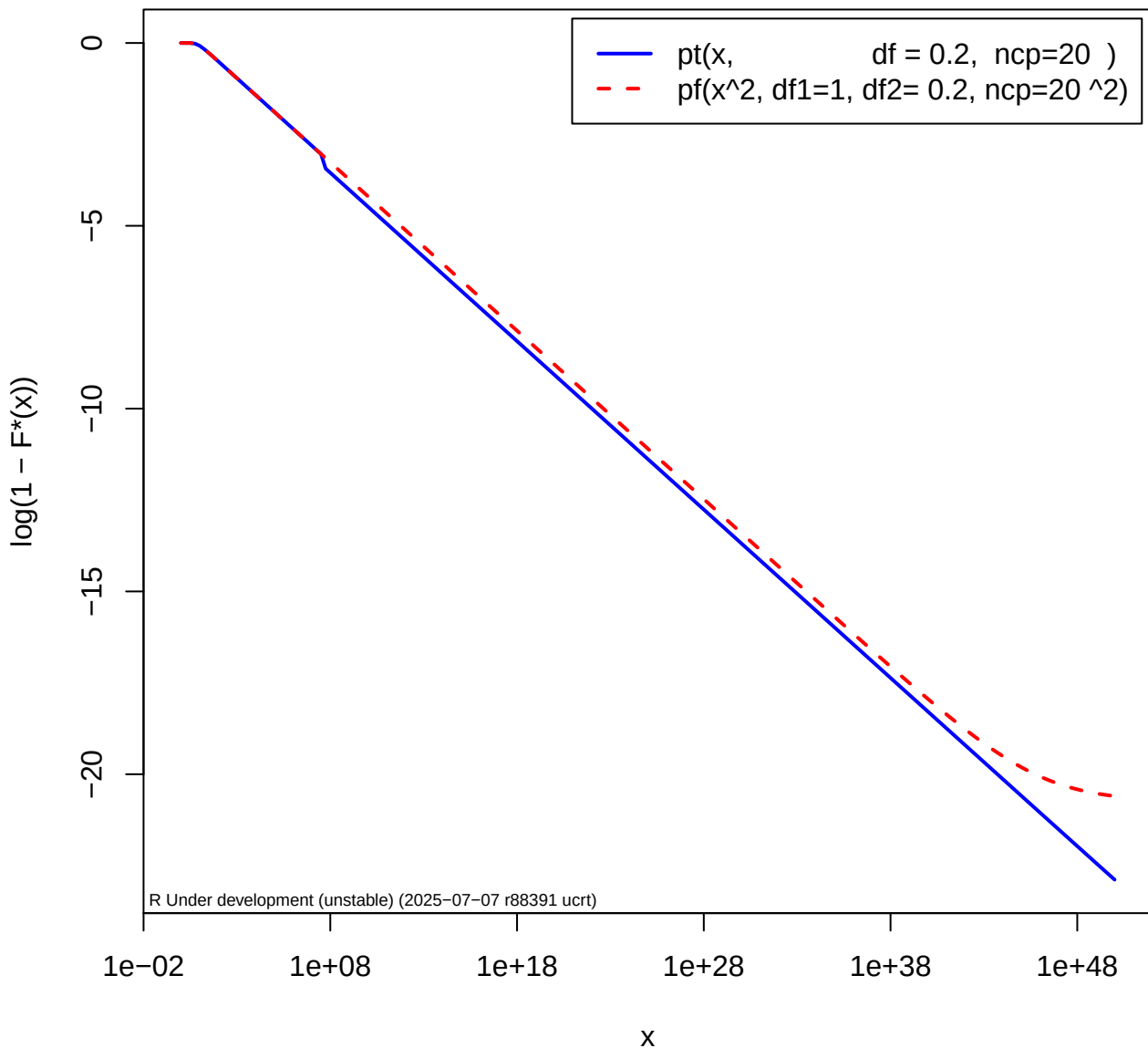
upper tail prob. $p^*(\dots, \log=\text{TRUE}, \text{lower.tail}=\text{FALSE})$



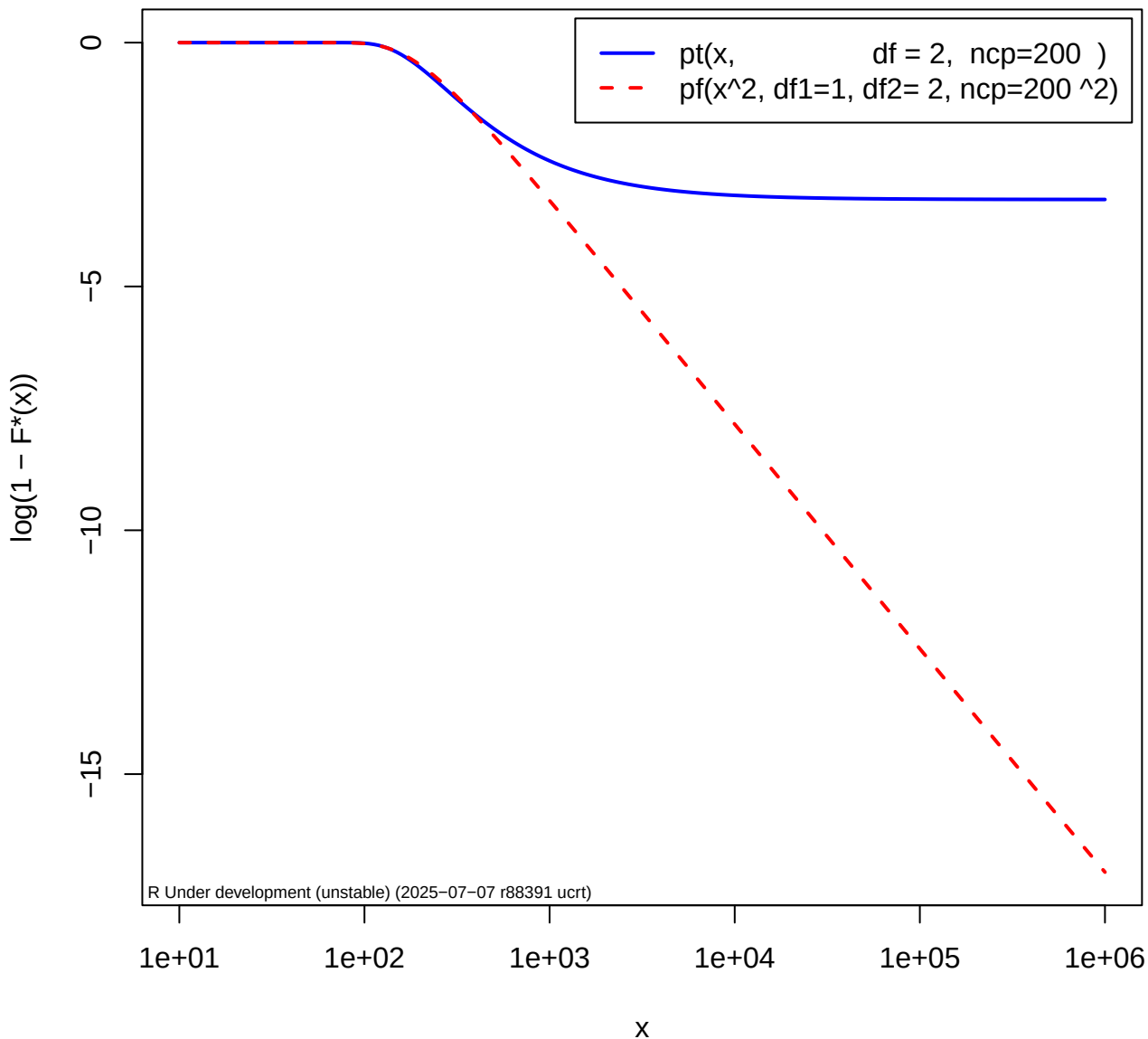
upper tail prob. $p^*(\dots, \log=\text{TRUE}, \text{lower.tail}=\text{FALSE})$



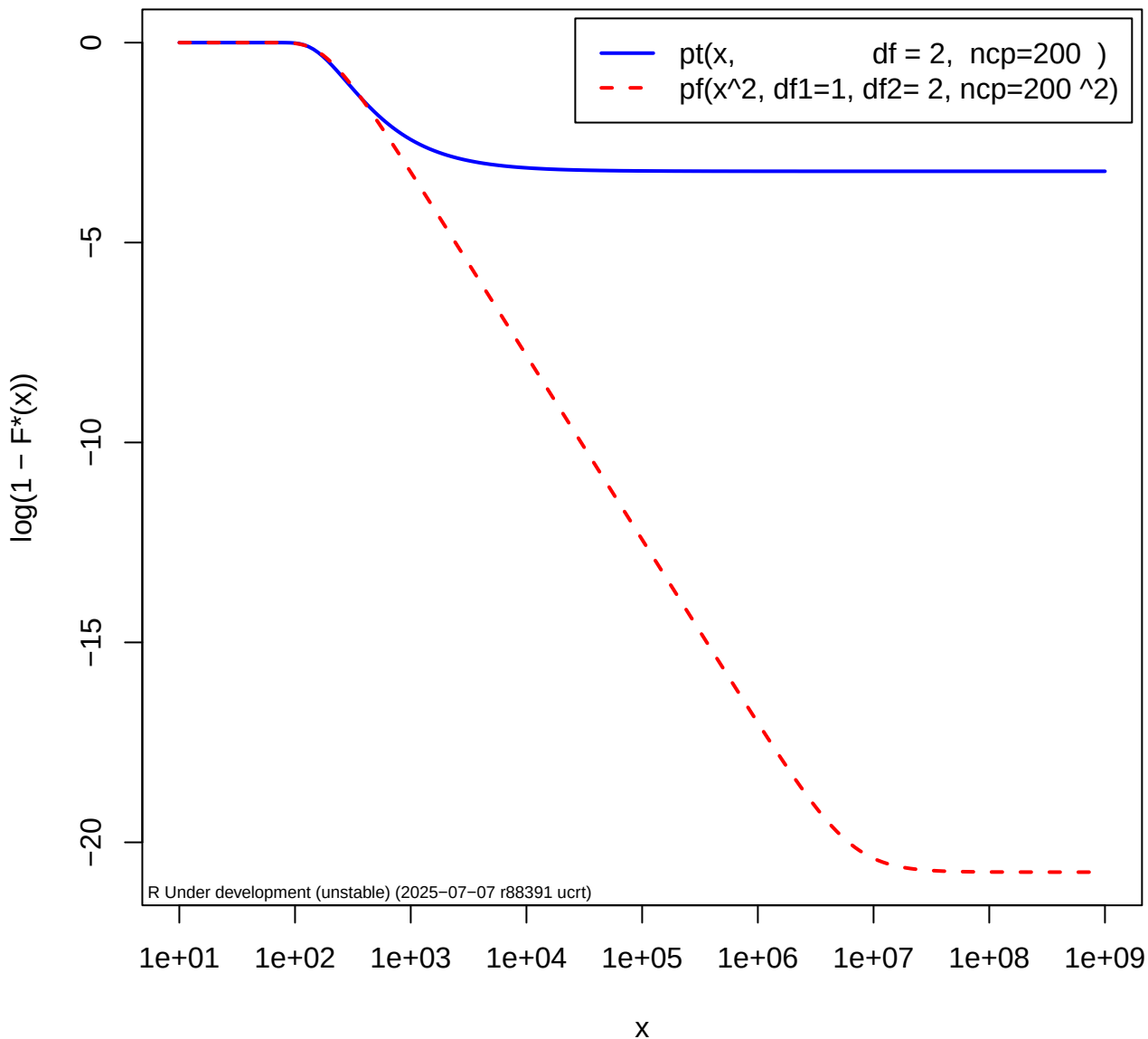
upper tail prob. $p^*(\text{.....}, \text{log}=\text{TRUE}, \text{lower.tail}=\text{FALSE})$



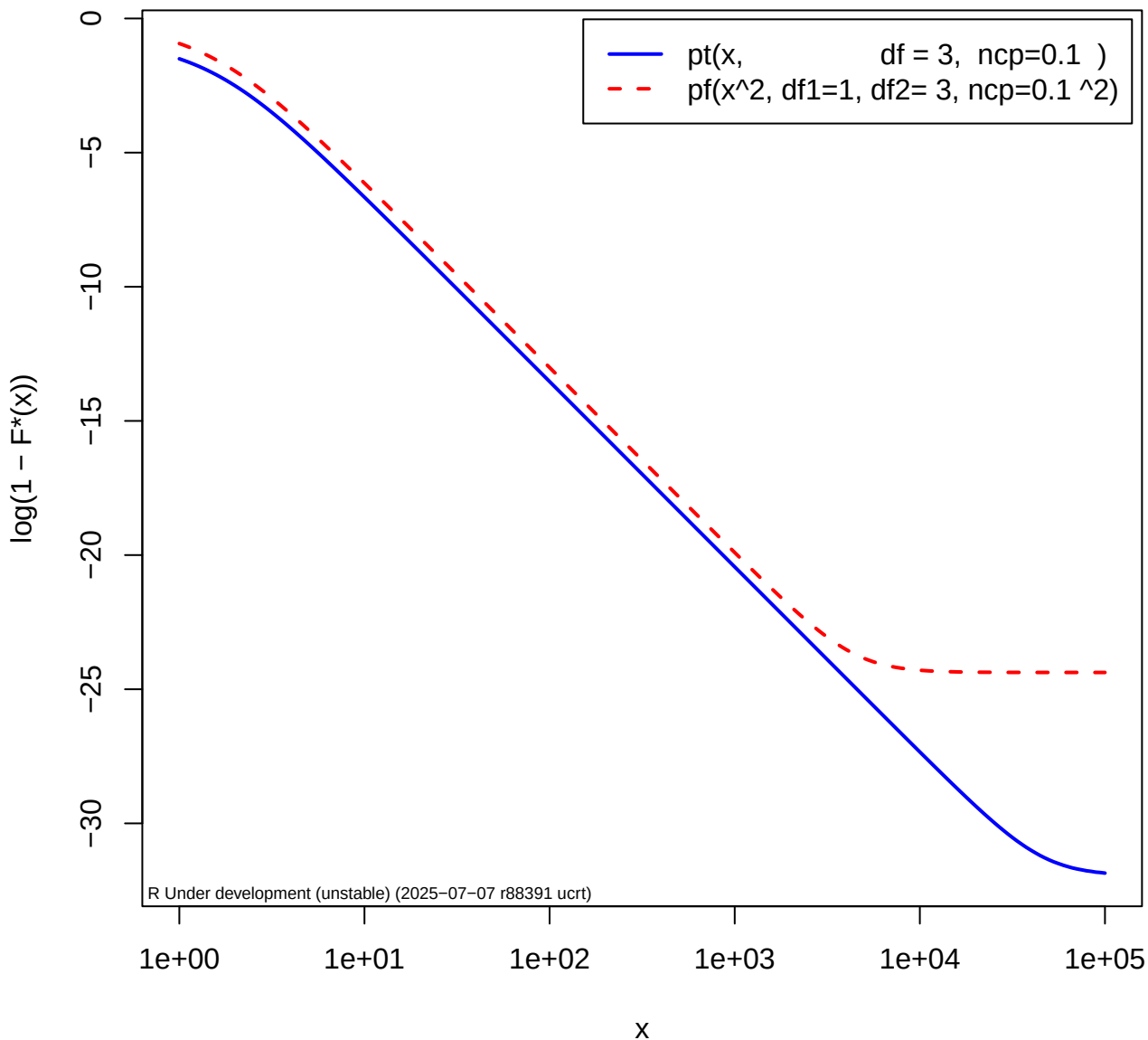
upper tail prob. $p^*(\dots, \log=\text{TRUE}, \text{lower.tail}=\text{FALSE})$



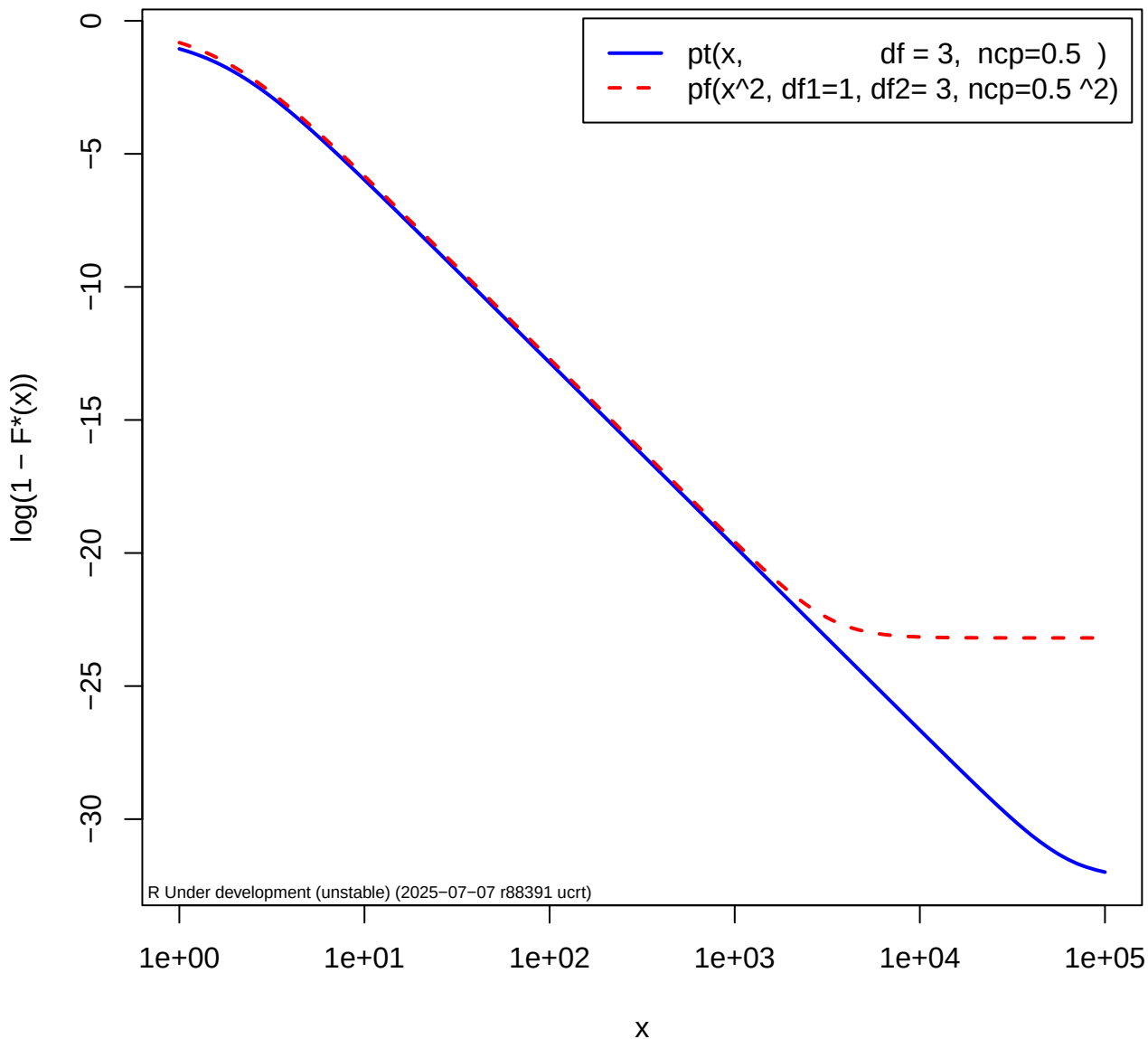
upper tail prob. $p^*(\dots, \log=\text{TRUE}, \text{lower.tail}=\text{FALSE})$



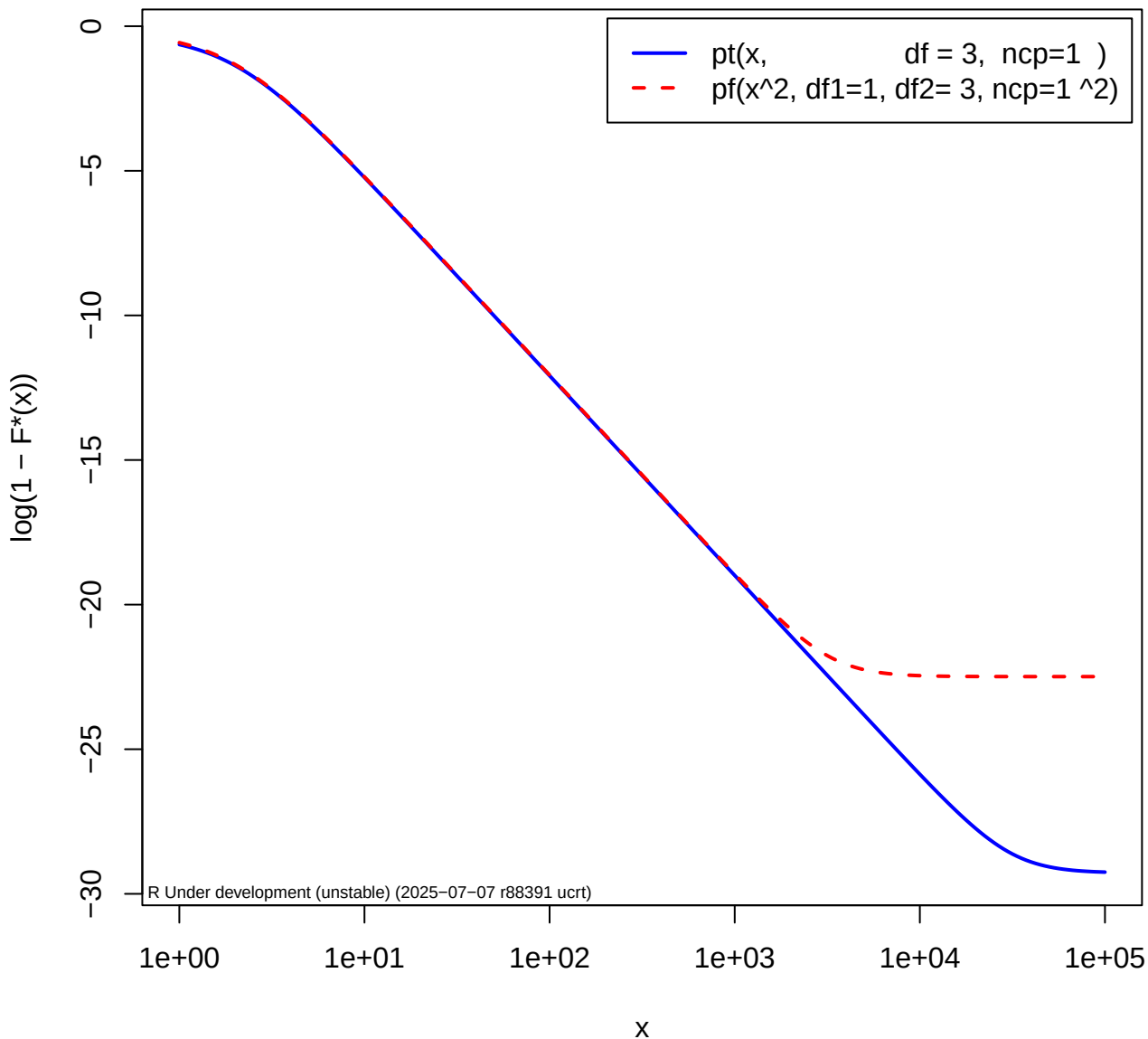
upper tail prob. $p^*(\text{.....}, \text{log}=\text{TRUE}, \text{lower.tail}=\text{FALSE})$



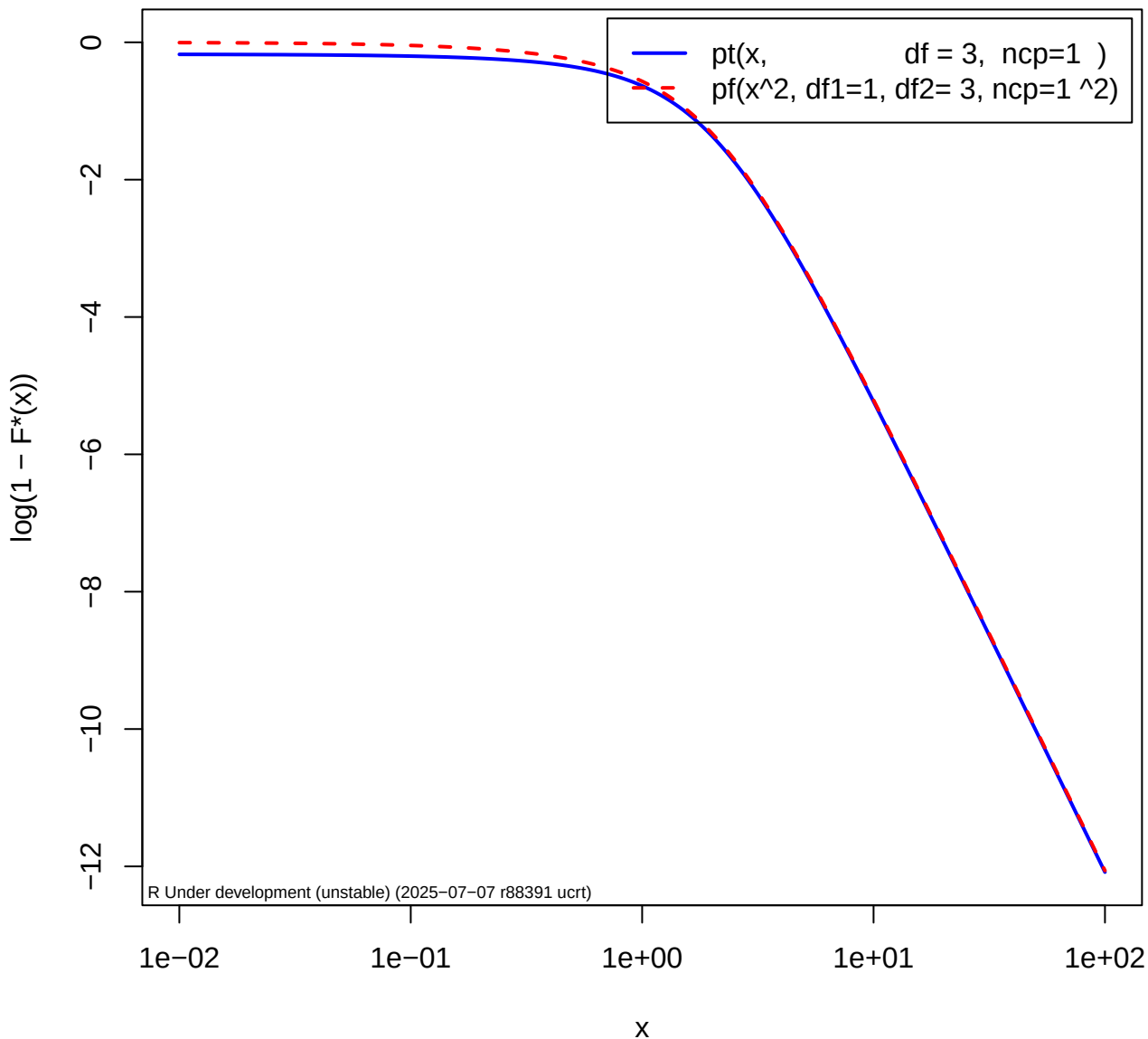
upper tail prob. $p^*(\text{.....}, \text{log}=\text{TRUE}, \text{lower.tail}=\text{FALSE})$

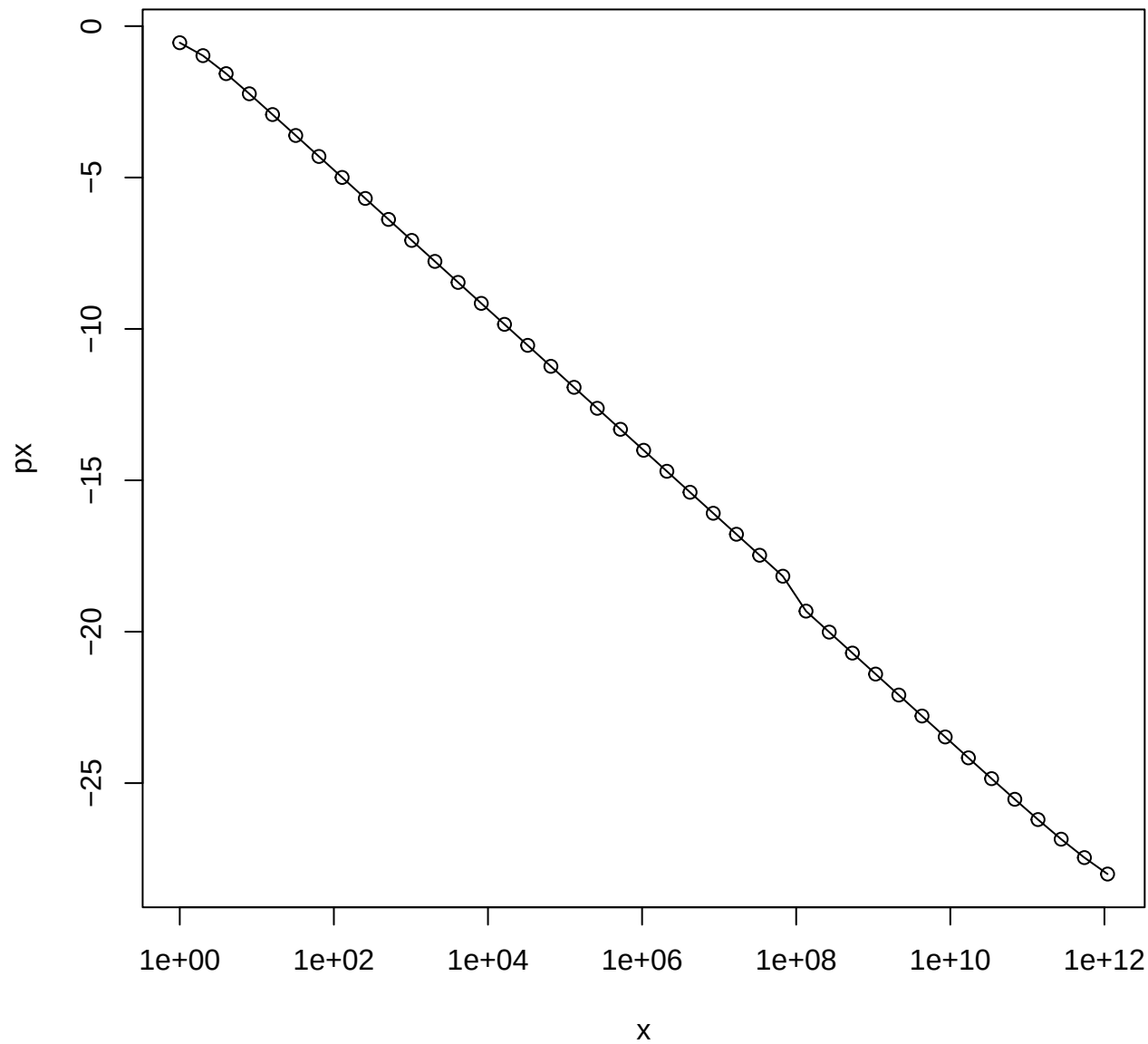


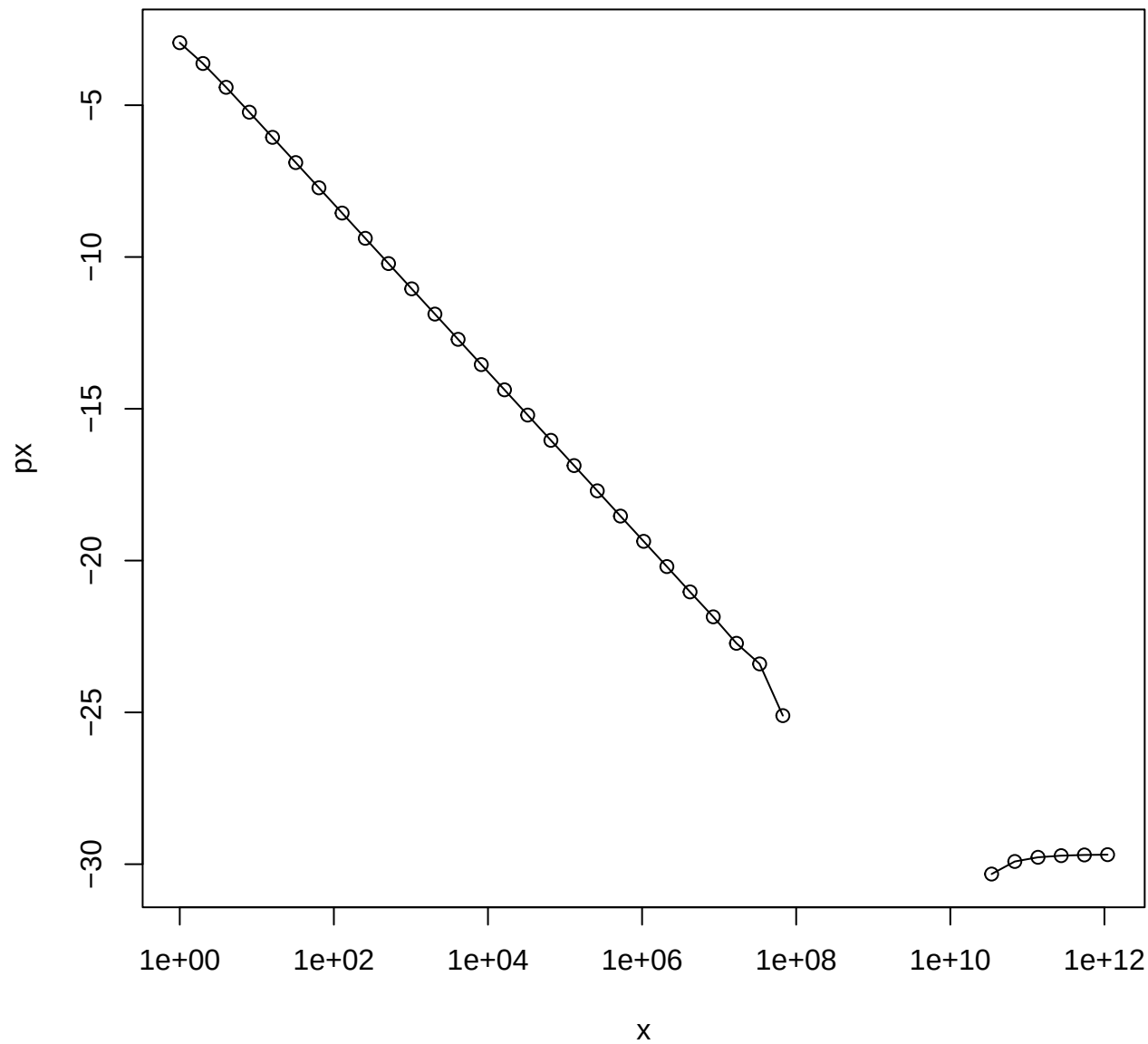
upper tail prob. $p^*(\text{.....}, \text{log}=\text{TRUE}, \text{lower.tail}=\text{FALSE})$

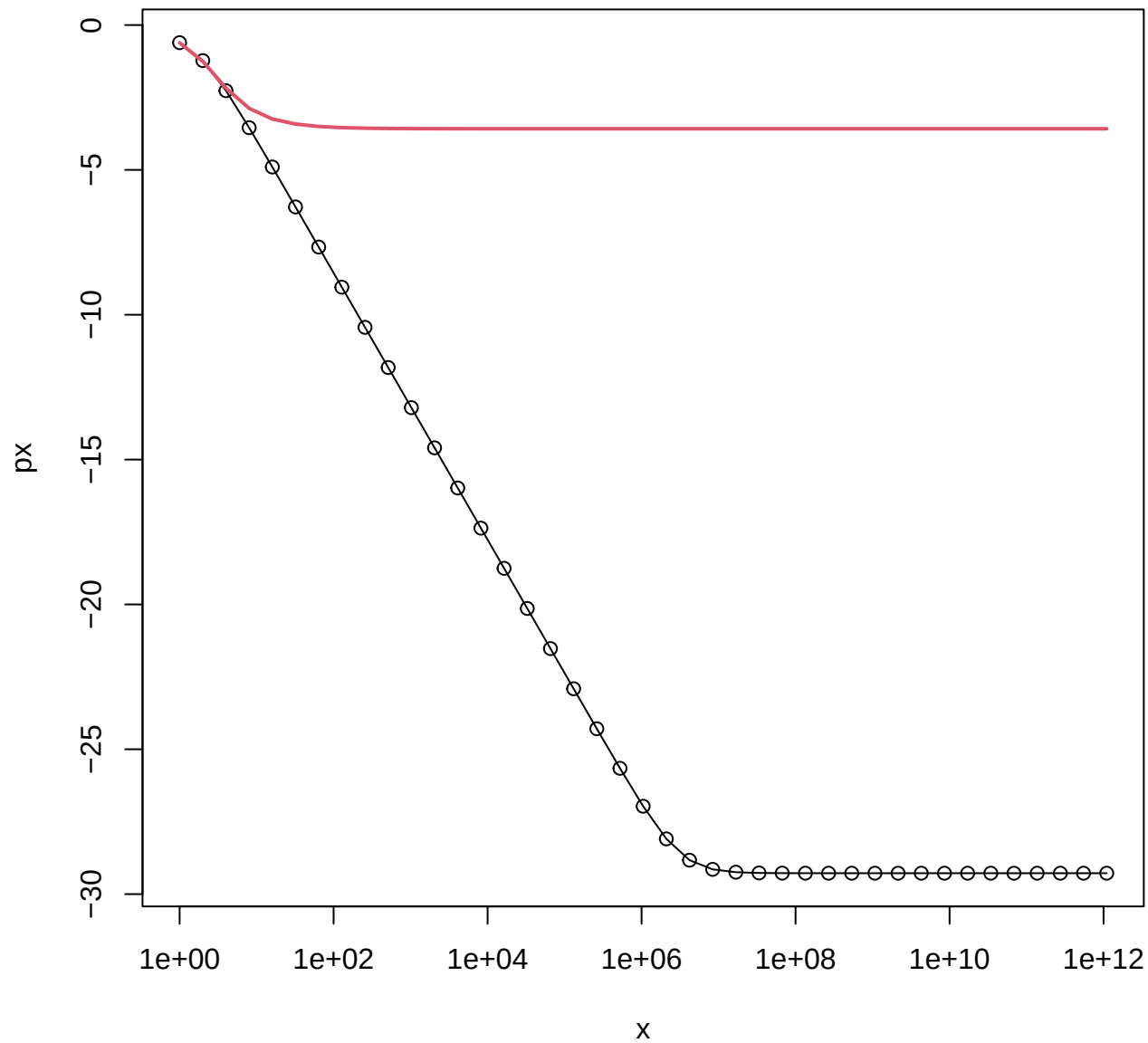


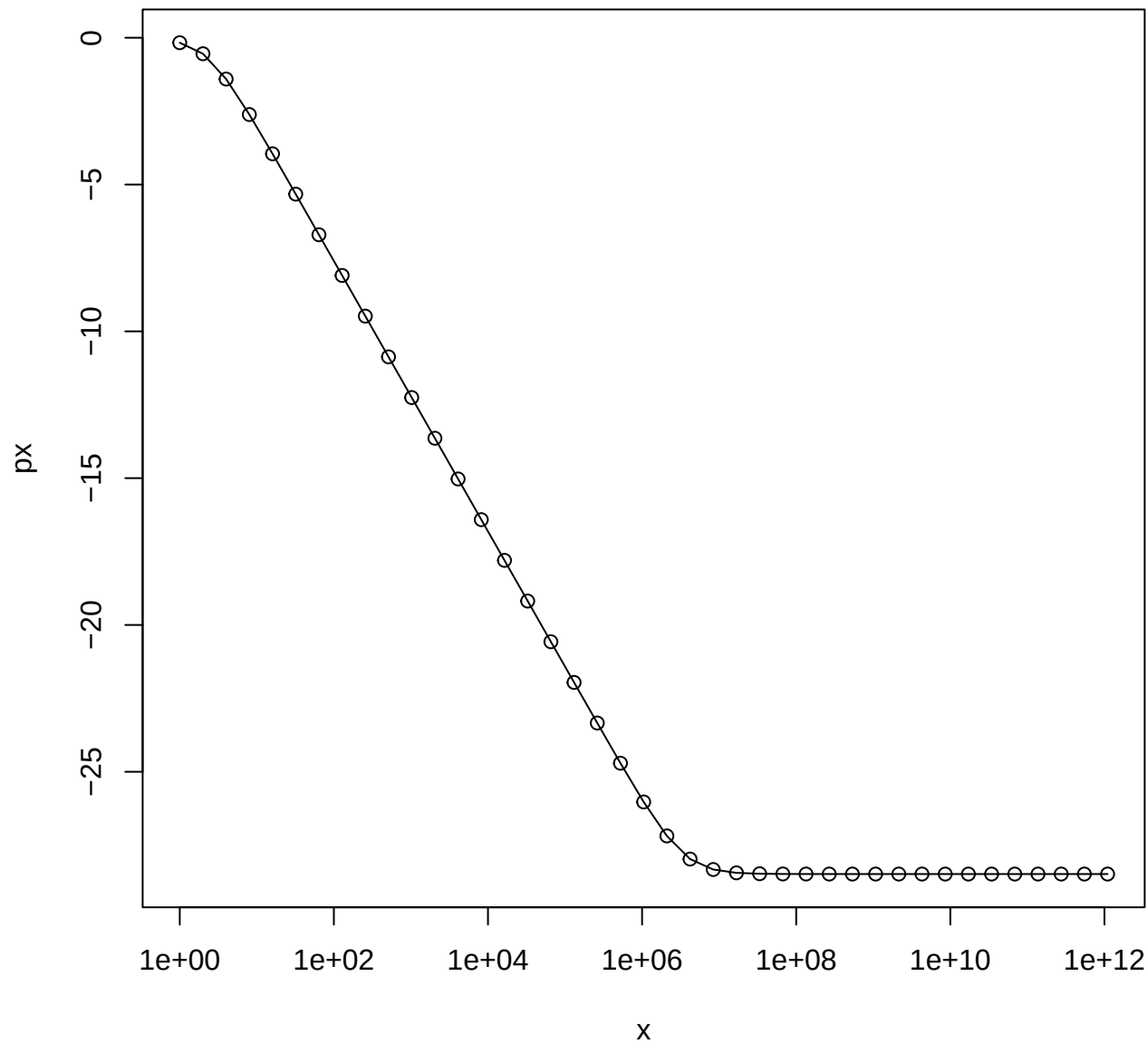
upper tail prob. $p^*(\text{.....}, \text{log}=\text{TRUE}, \text{lower.tail}=\text{FALSE})$

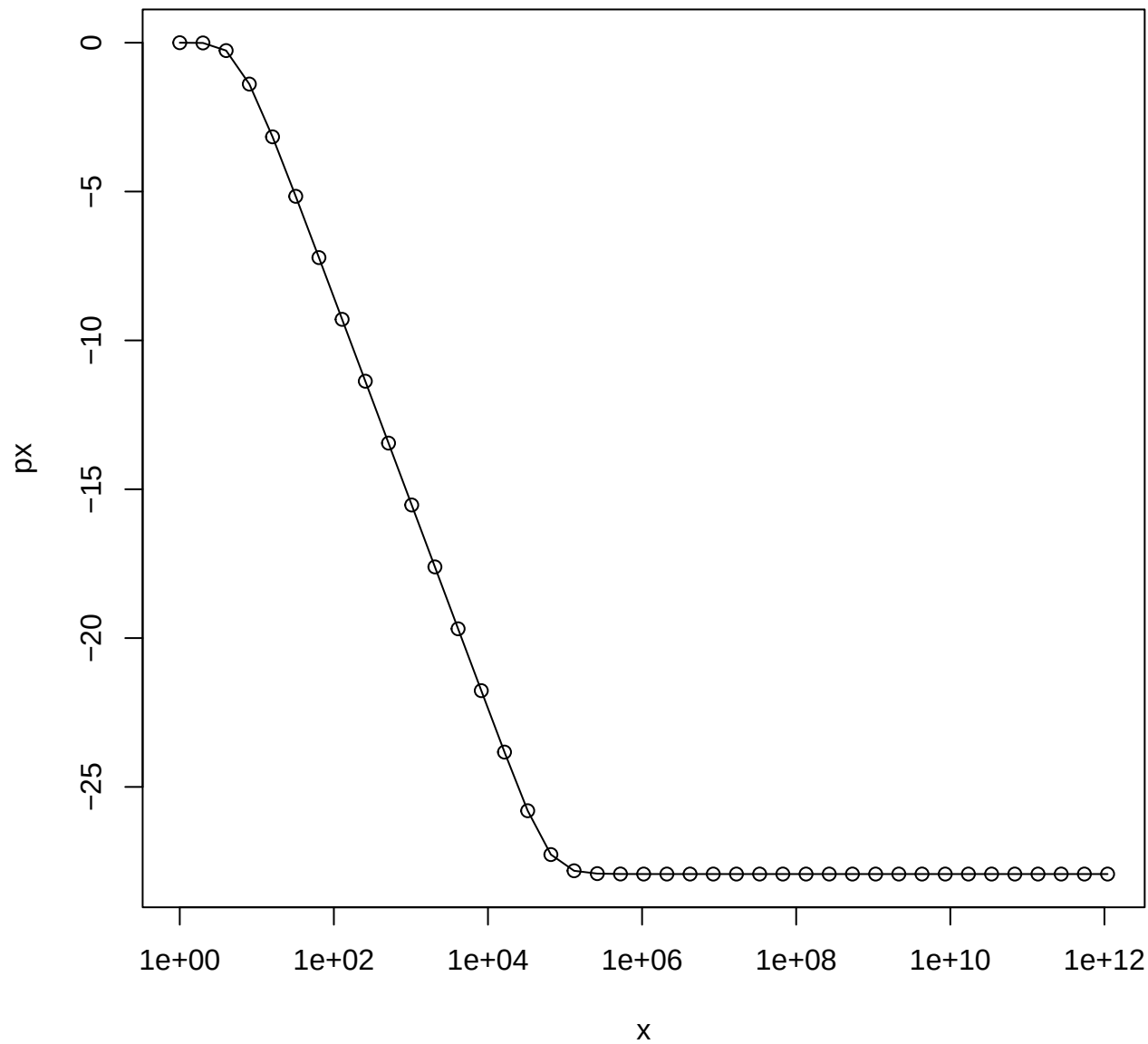


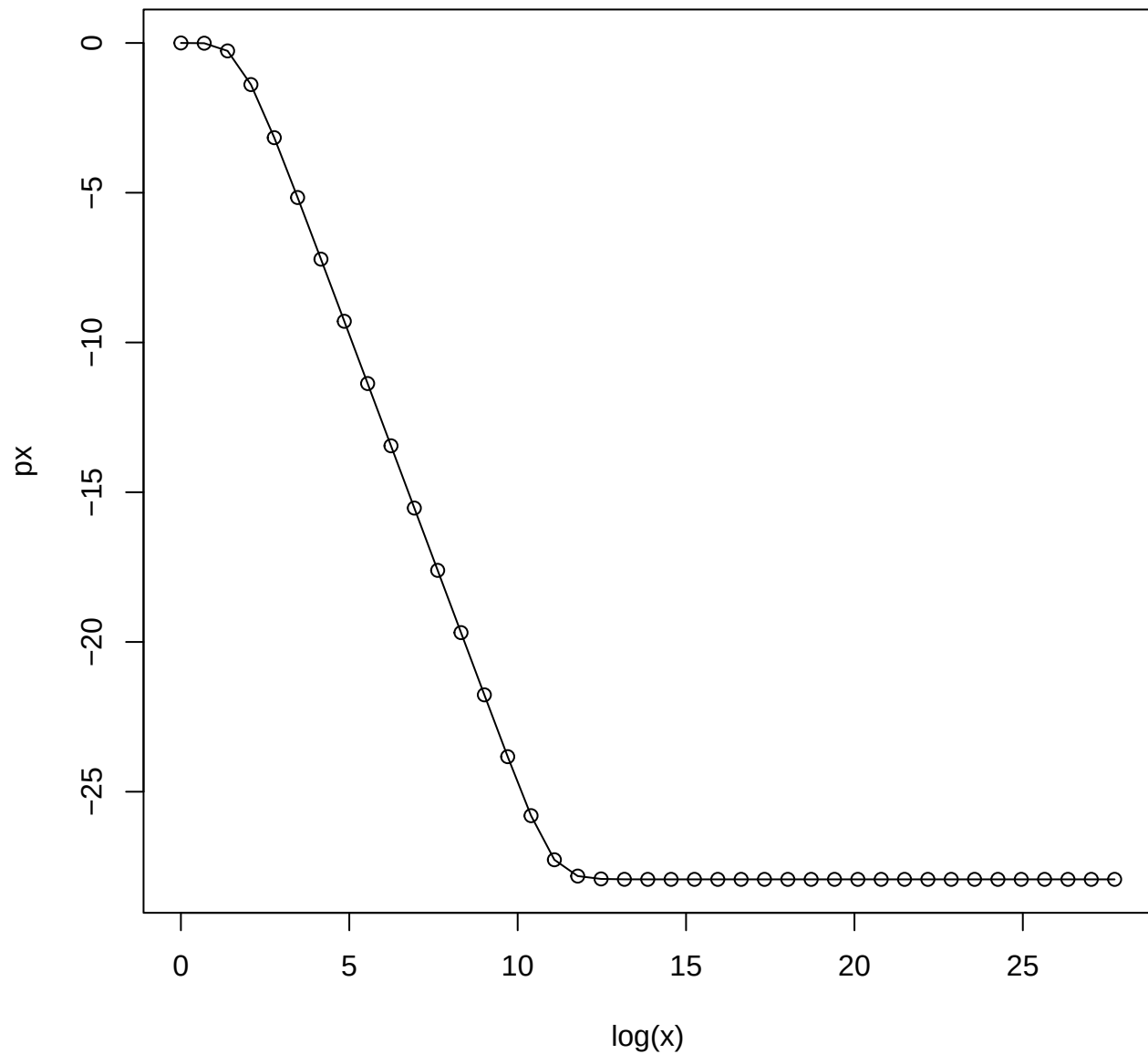








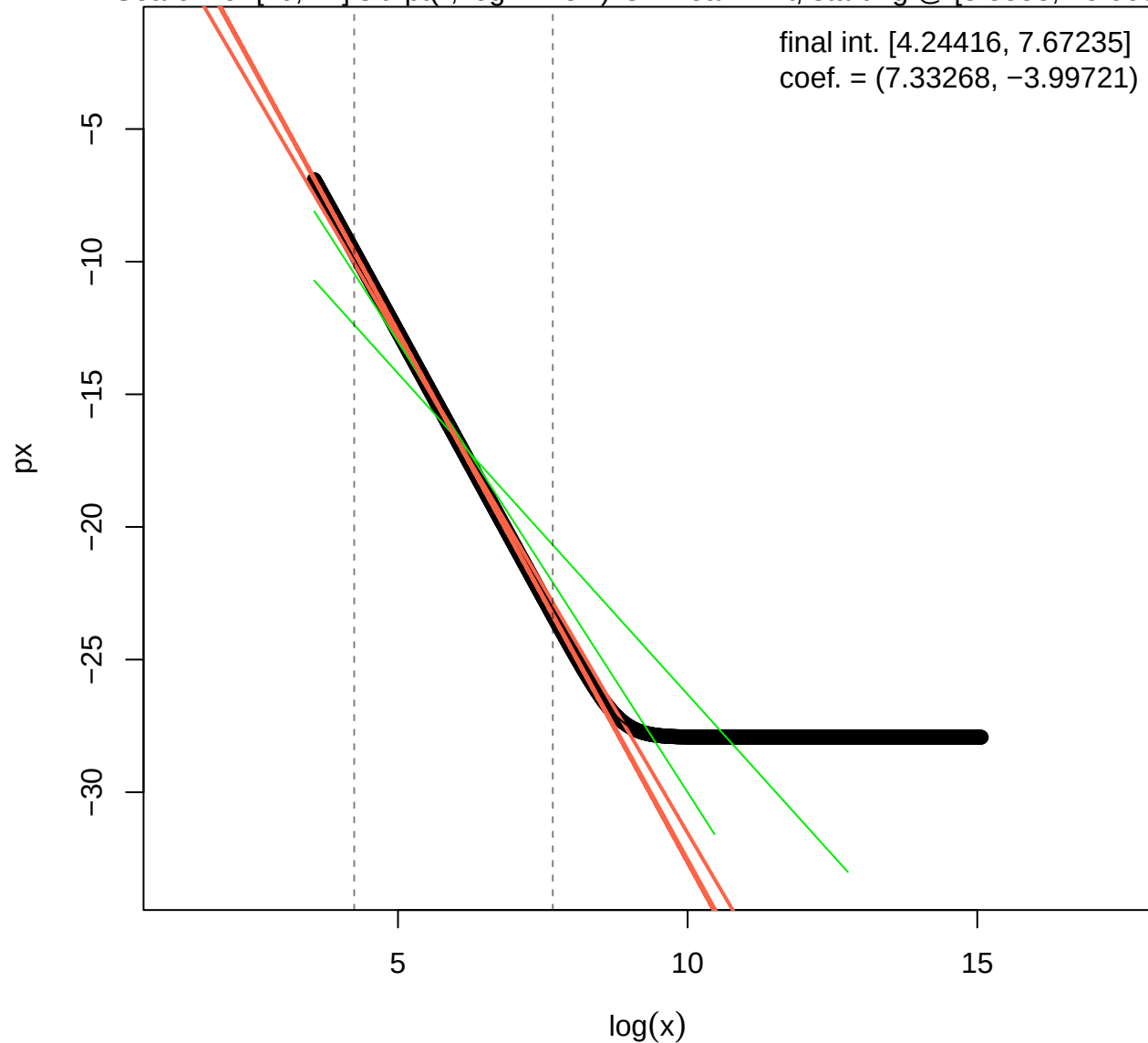




pt(exp(.), df=4, ncp=5, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is *linear* in it; starting @ $[3.5553, 15.0682]$

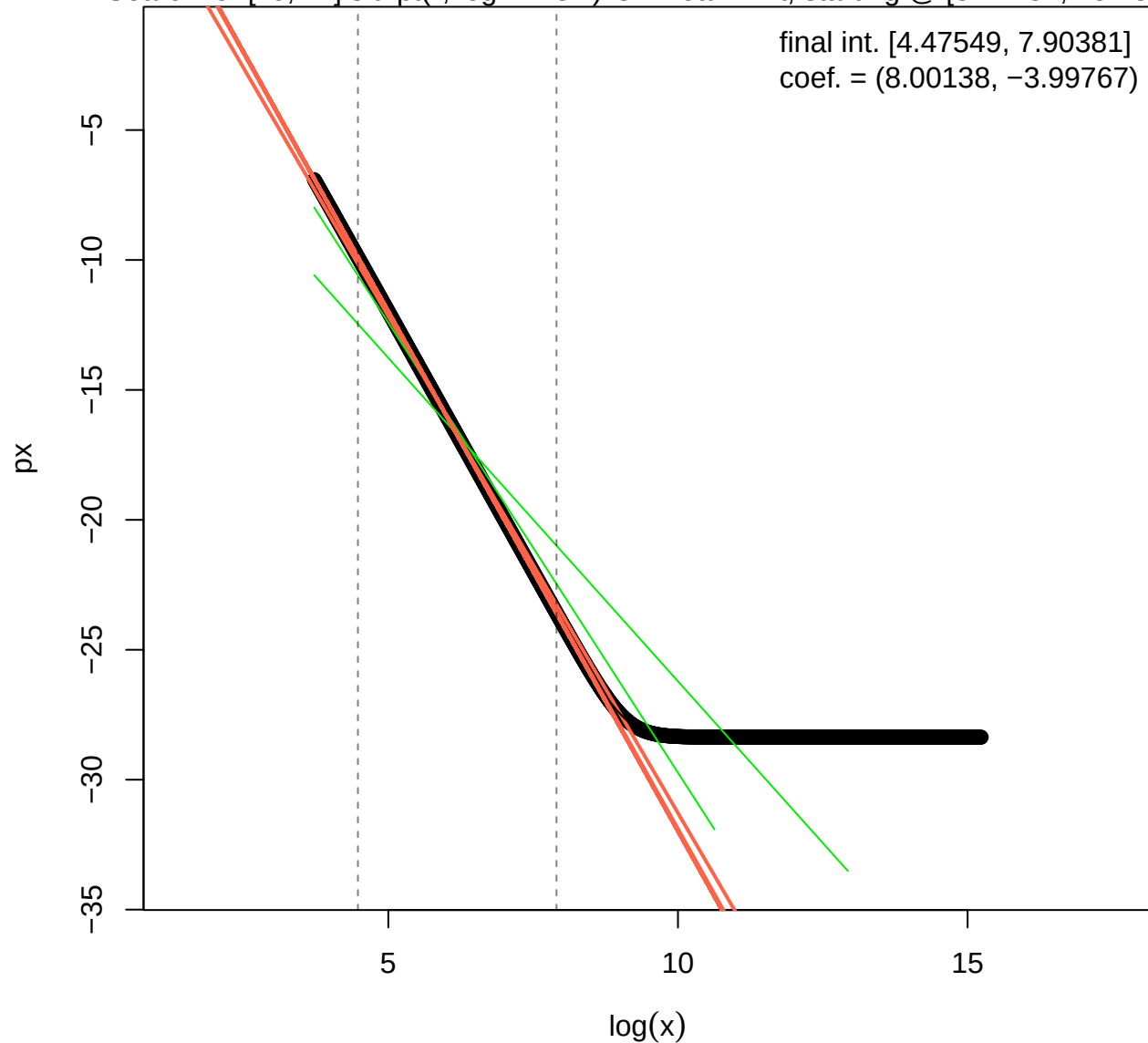
final int. $[4.24416, 7.67235]$
coef. = $(7.33268, -3.99721)$



pt(exp(.), df=4, ncp=6, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is **linear** in it; starting @ $[3.72234, 15.2353]$

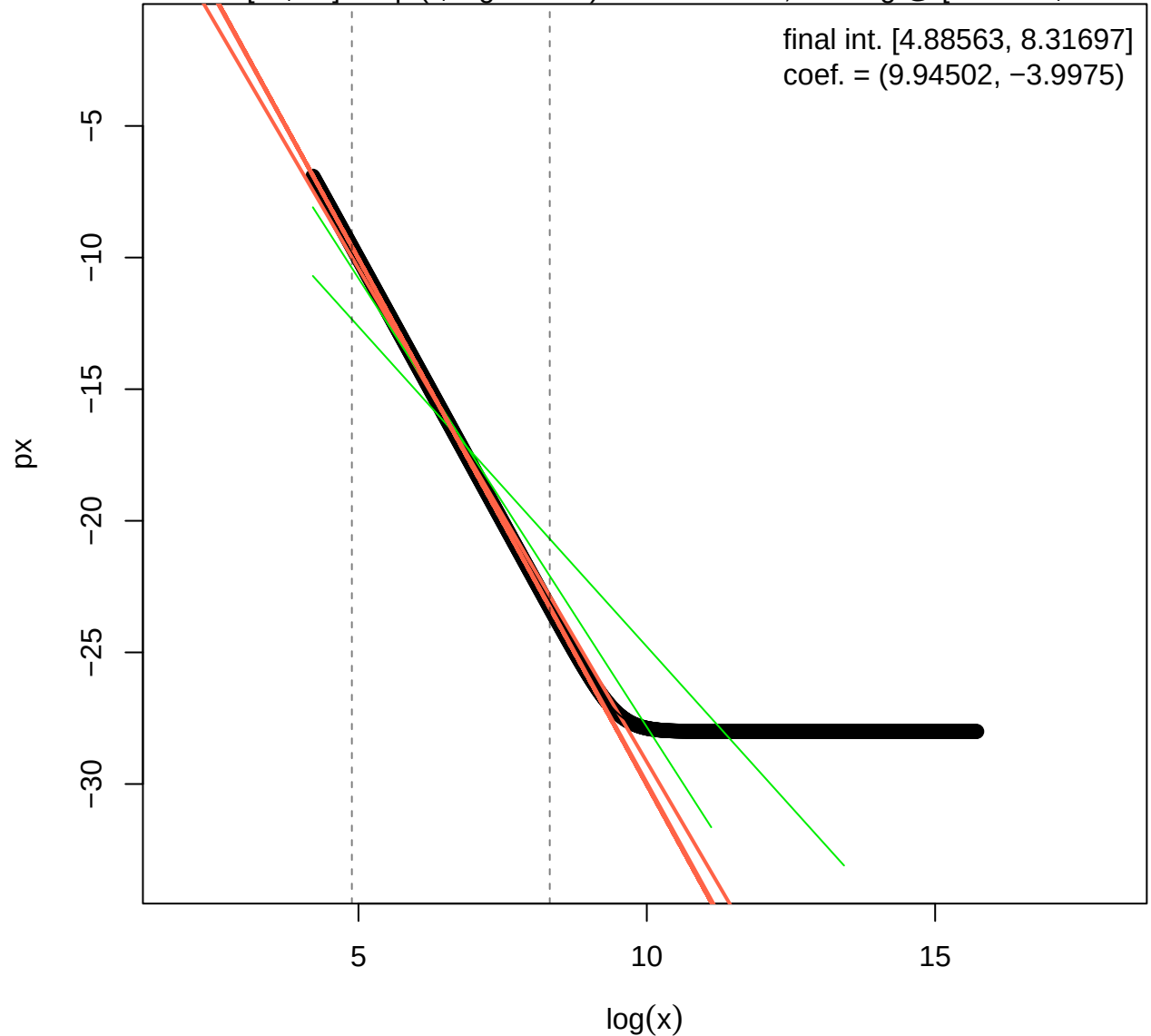
final int. $[4.47549, 7.90381]$
coef. = $(8.00138, -3.99767)$



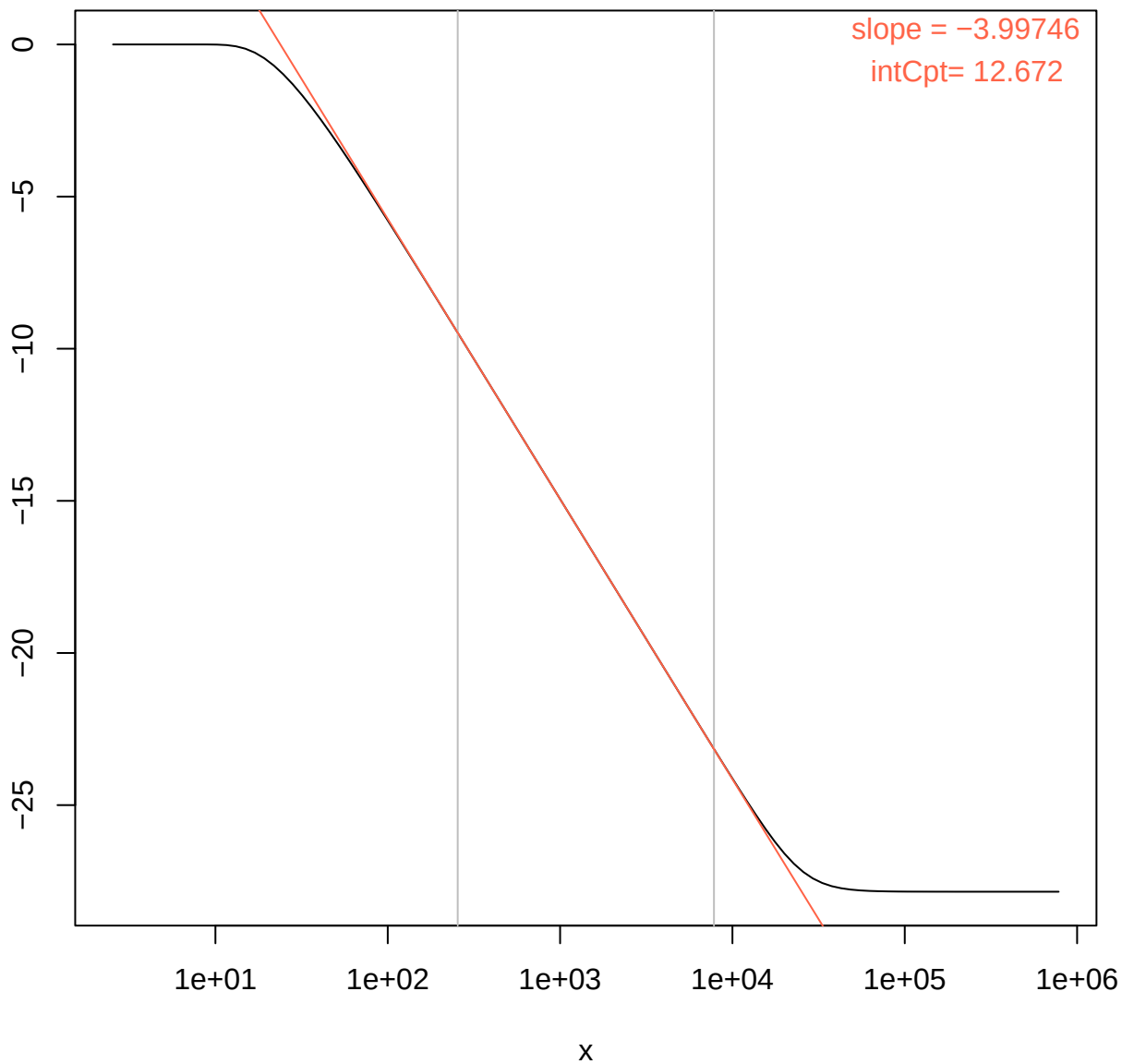
pt(exp(.), df=4, ncp=10, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is **linear** in it; starting @ $[4.20946, 15.7224]$

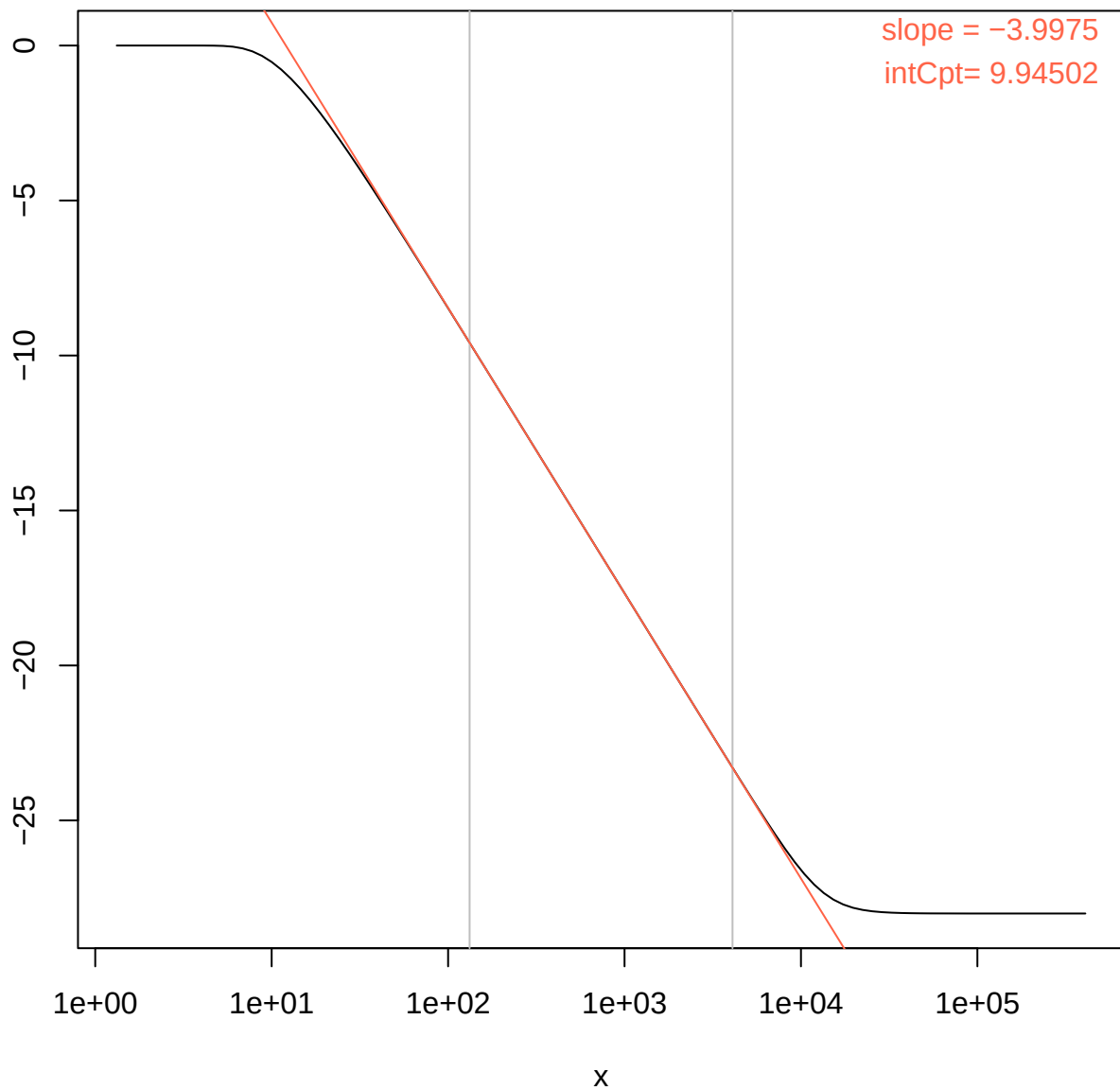
final int. $[4.88563, 8.31697]$
coef. = $(9.94502, -3.9975)$



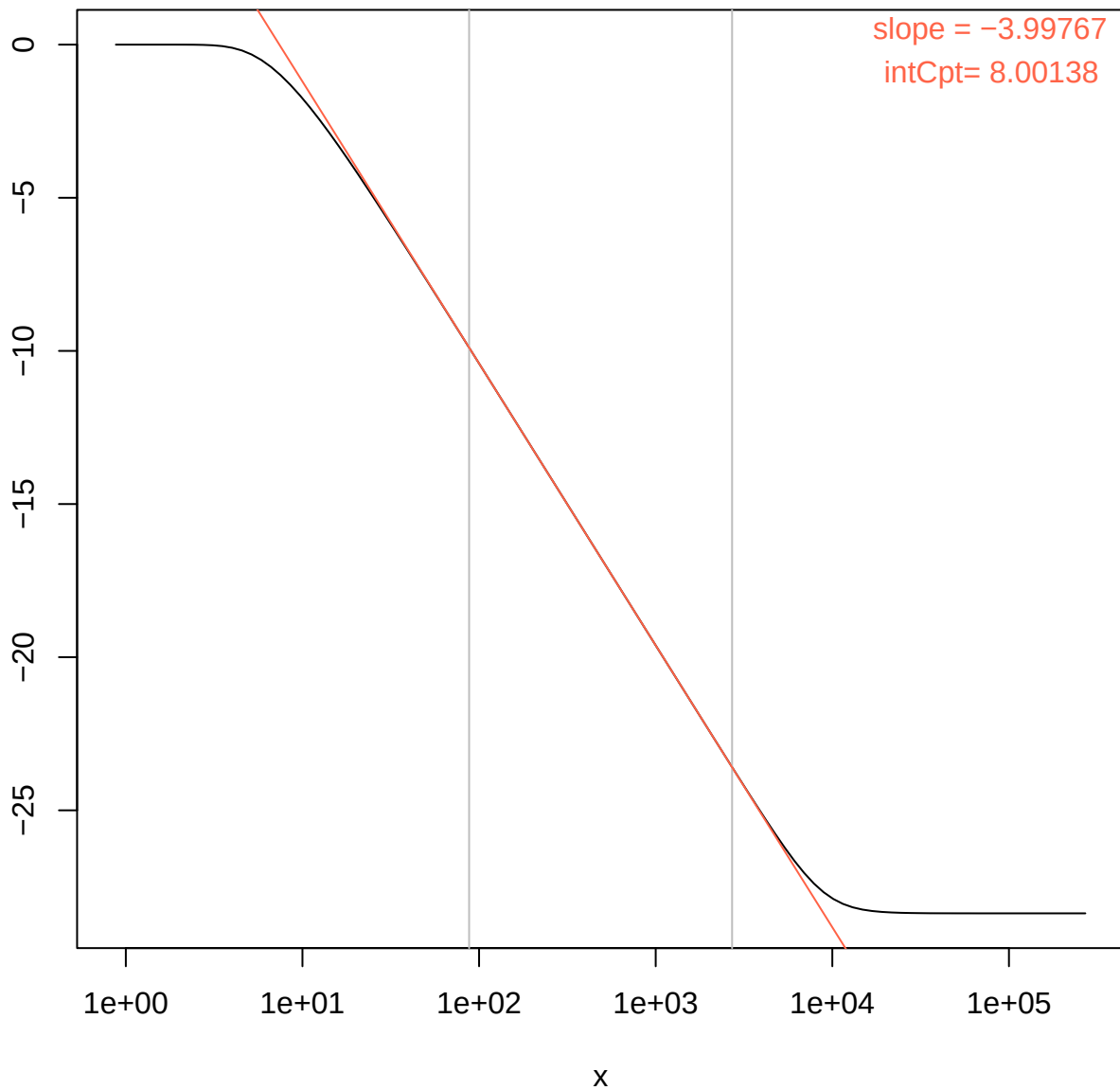
pt(x, df=4, ncp=20, log=TRUE, lower.tail=FALSE)



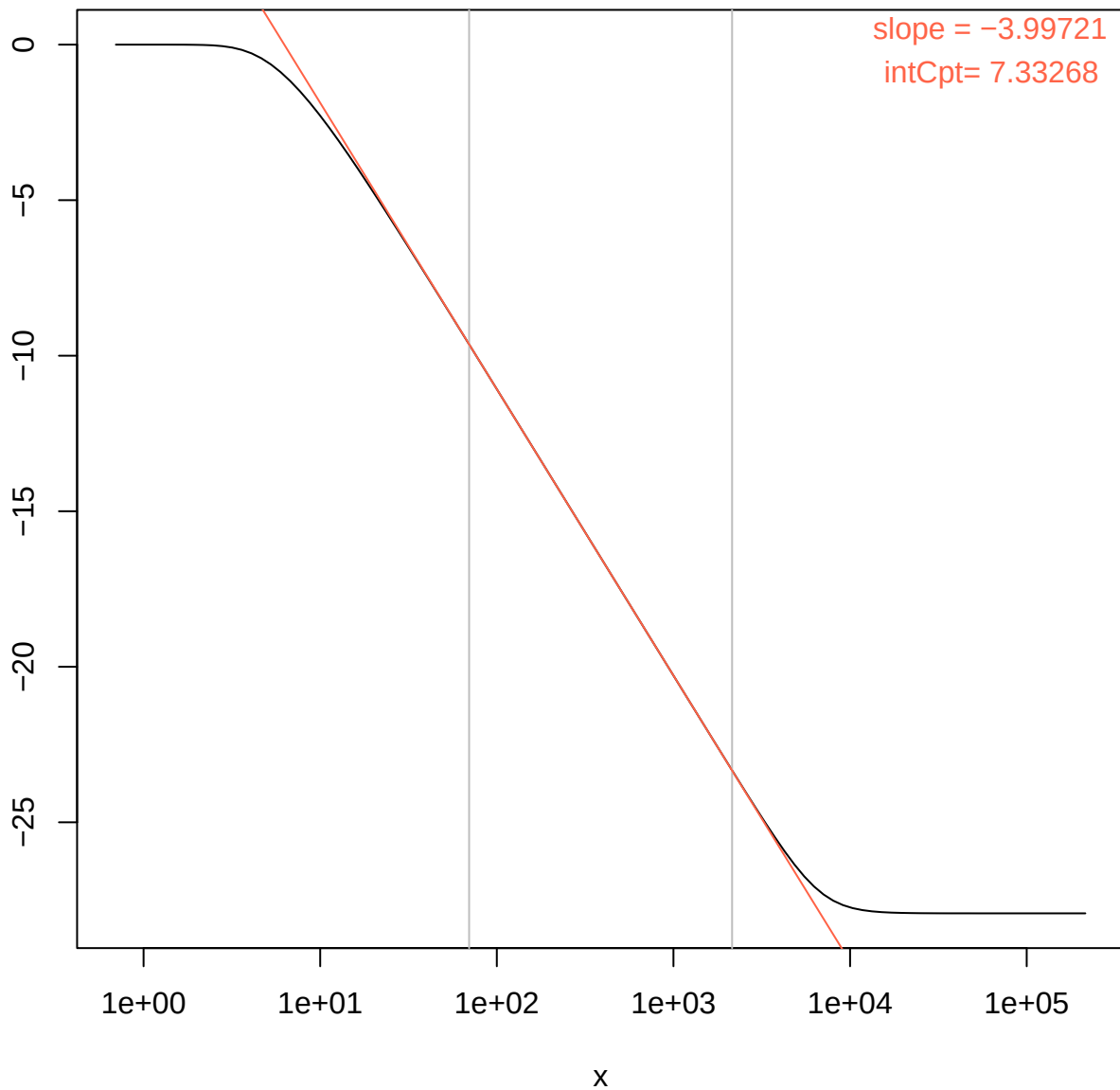
pt(x, df=4, ncp=10, log=TRUE, lower.tail=FALSE)



pt(x, df=4, ncp=6, log=TRUE, lower.tail=FALSE)



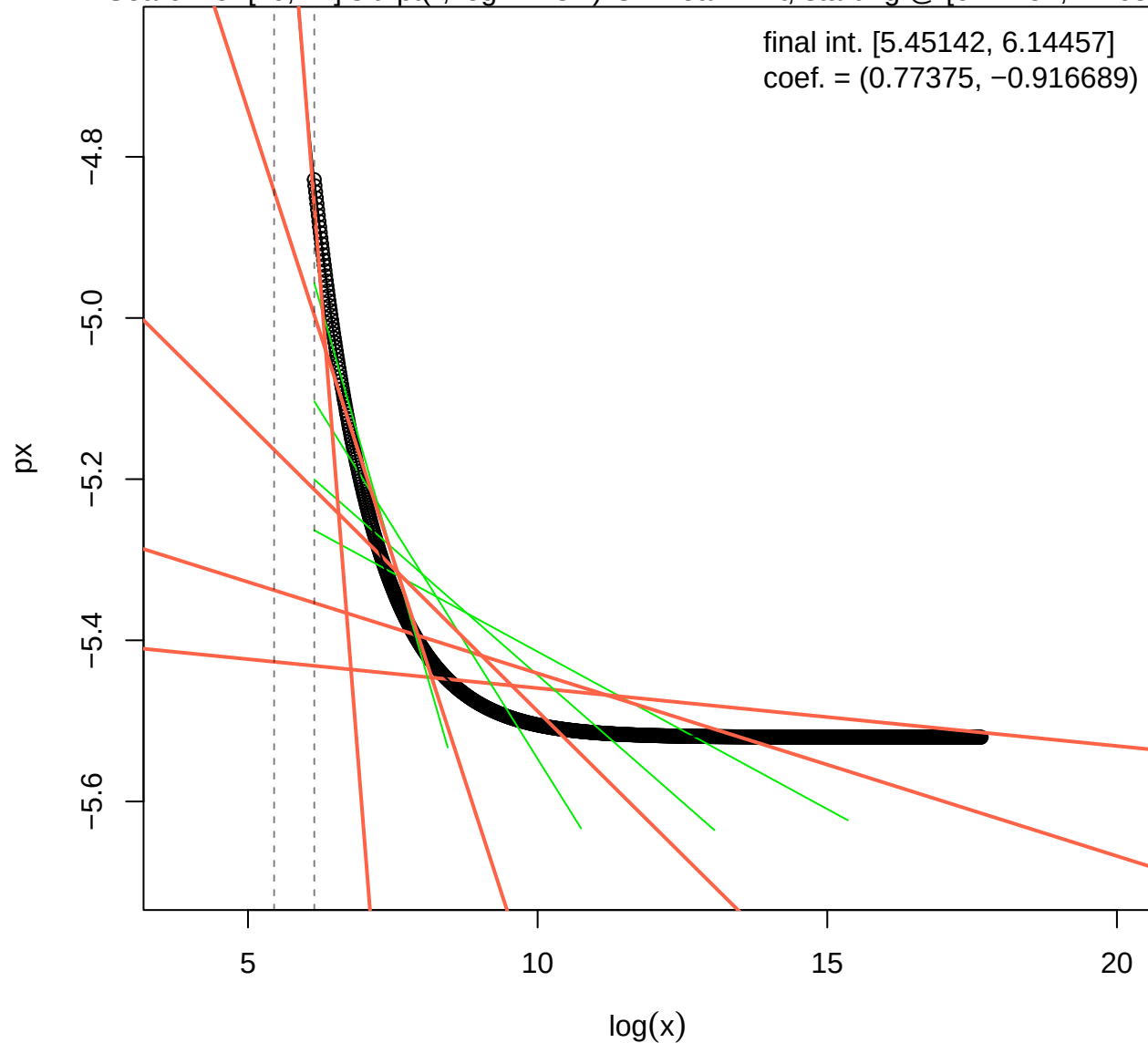
pt(x, df=4, ncp=5, log=TRUE, lower.tail=FALSE)



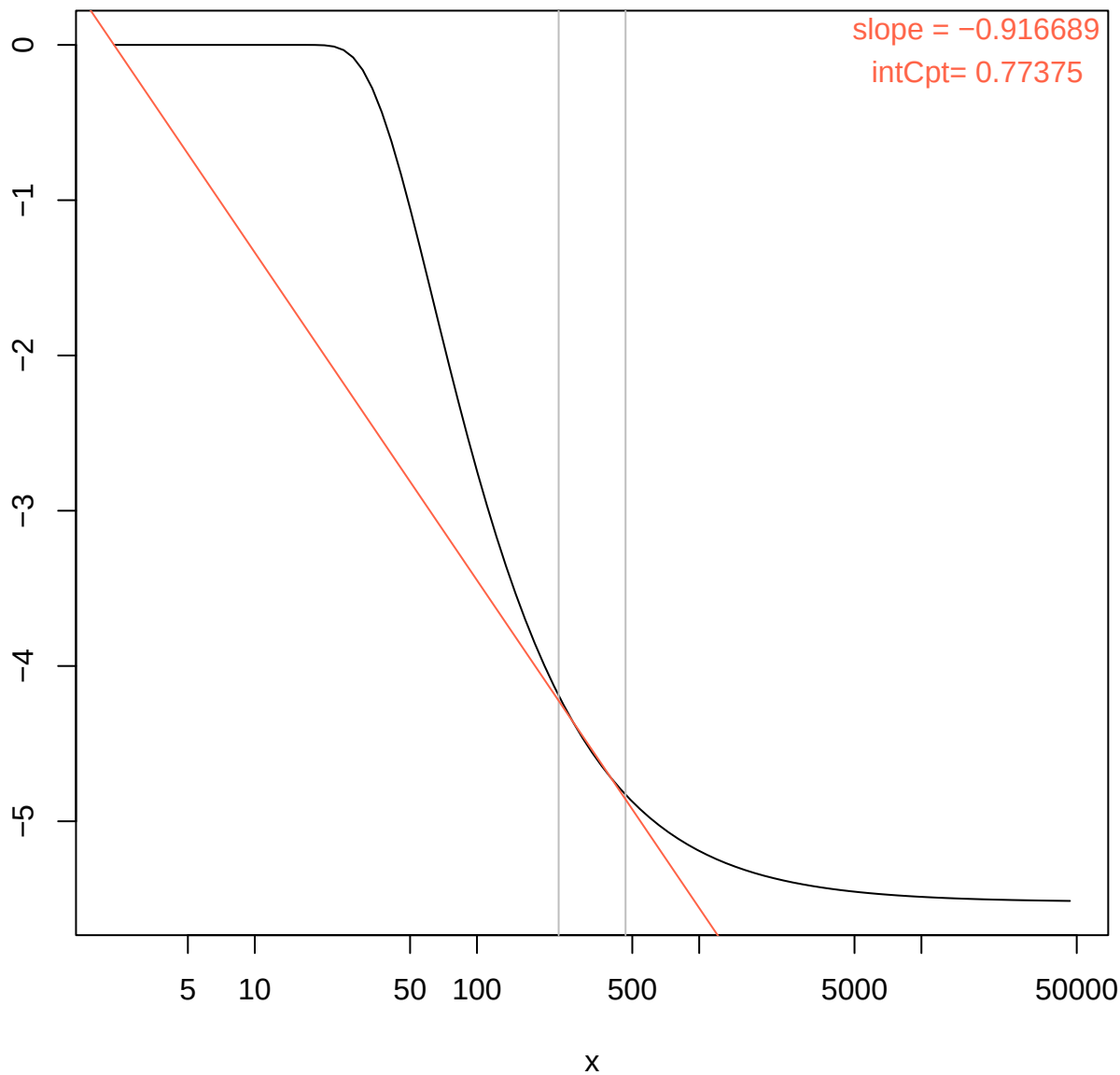
pt(exp(.), df=4, ncp=40, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is *linear* in it; starting @ $[6.14457, 17.6575]$

final int. $[5.45142, 6.14457]$
coef. = $(0.77375, -0.916689)$



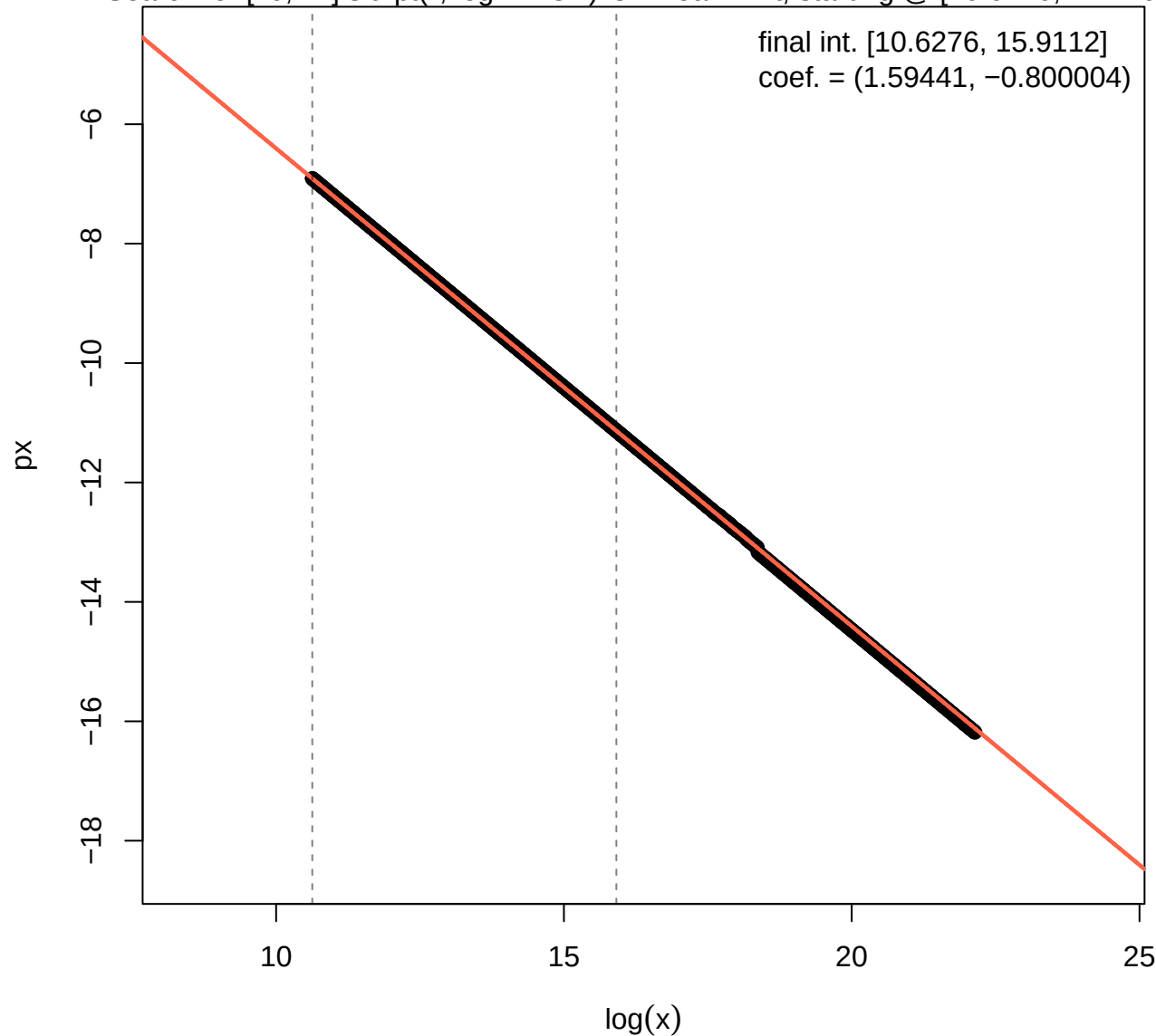
pt(x, df=4, ncp=40, log=TRUE, lower.tail=FALSE)



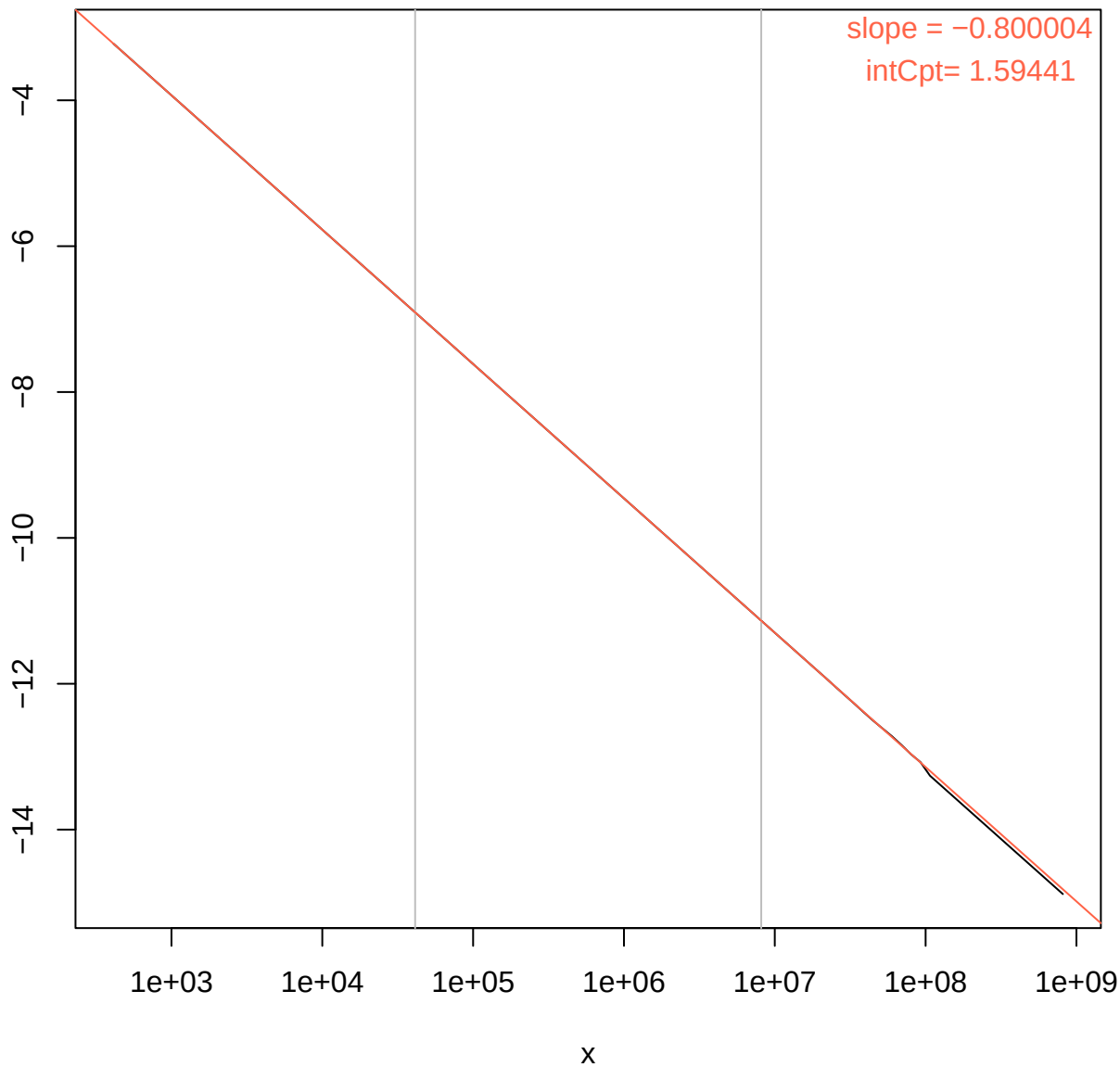
pt(exp(.), df=0.8, ncp=10, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is *linear* in it; starting @ $[10.6276, 22.1406]$

final int. $[10.6276, 15.9112]$
coef. = $(1.59441, -0.800004)$



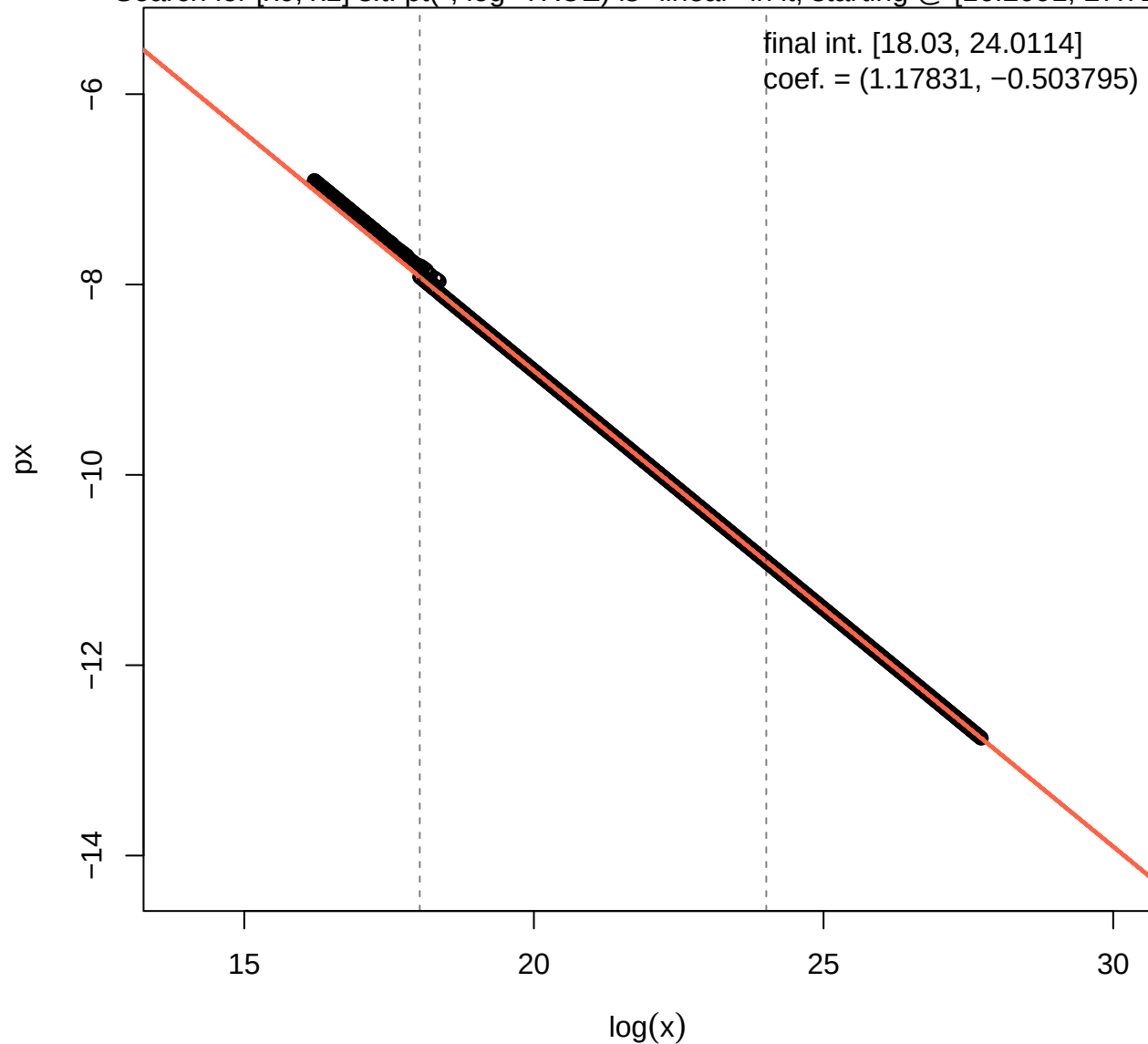
pt(x, df=0.8, ncp=10, log=TRUE, lower.tail=FALSE)



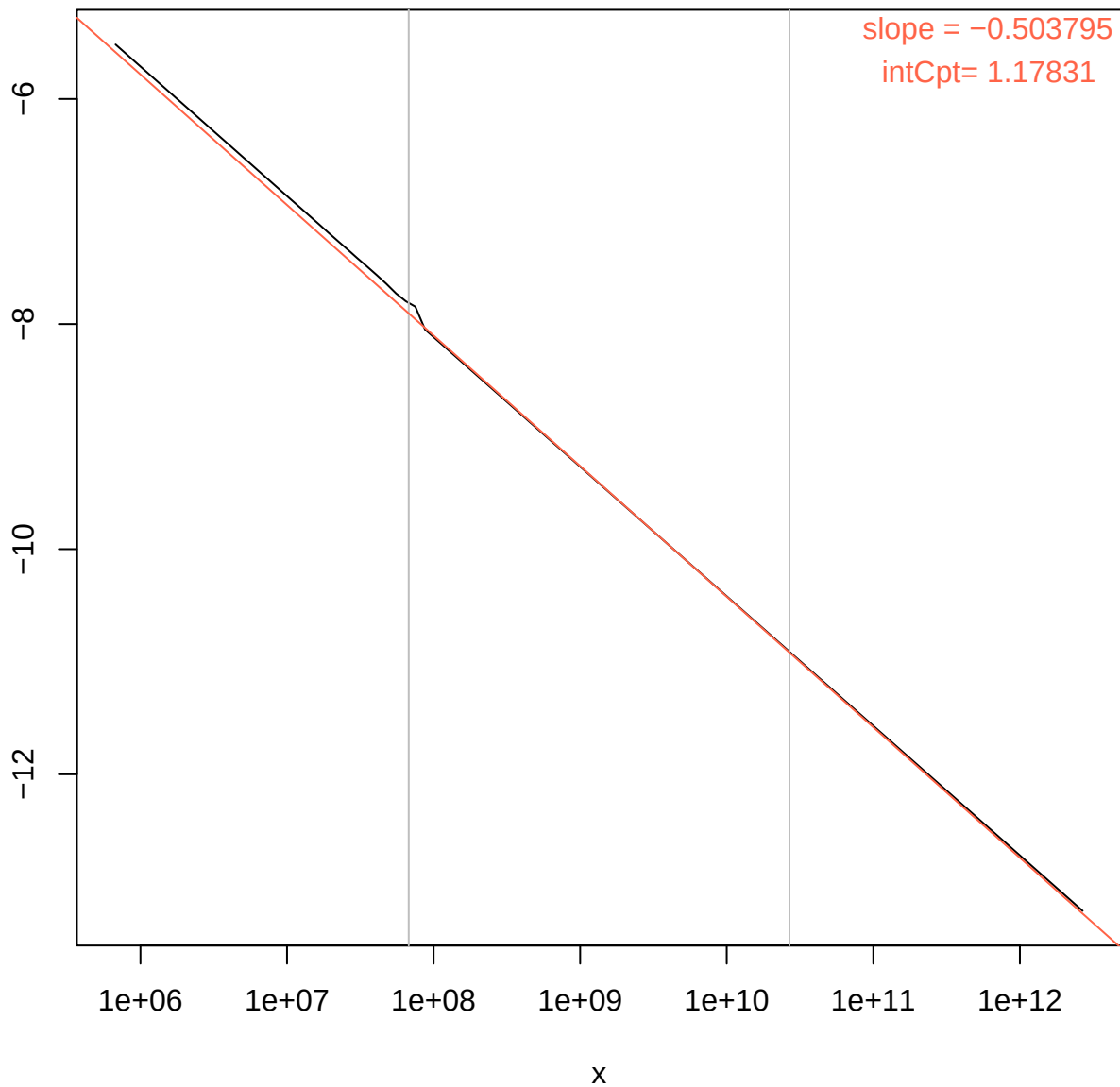
pt(exp(.), df=0.5, ncp=18, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is *linear* in it; starting @ $[16.2091, 27.722]$

final int. $[18.03, 24.0114]$
coef. = $(1.17831, -0.503795)$



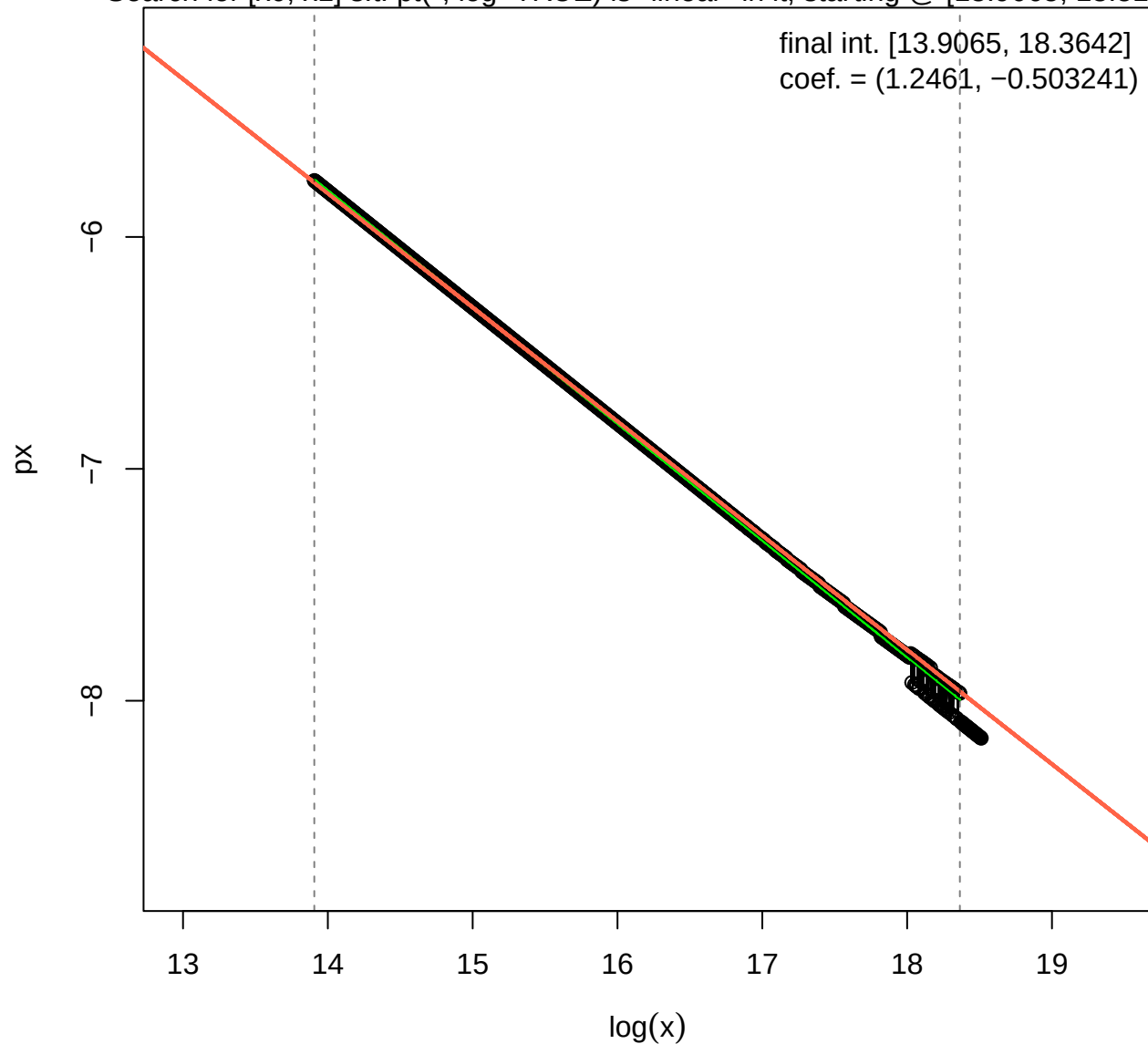
pt(x, df=0.5, ncp=18, log=TRUE, lower.tail=FALSE)



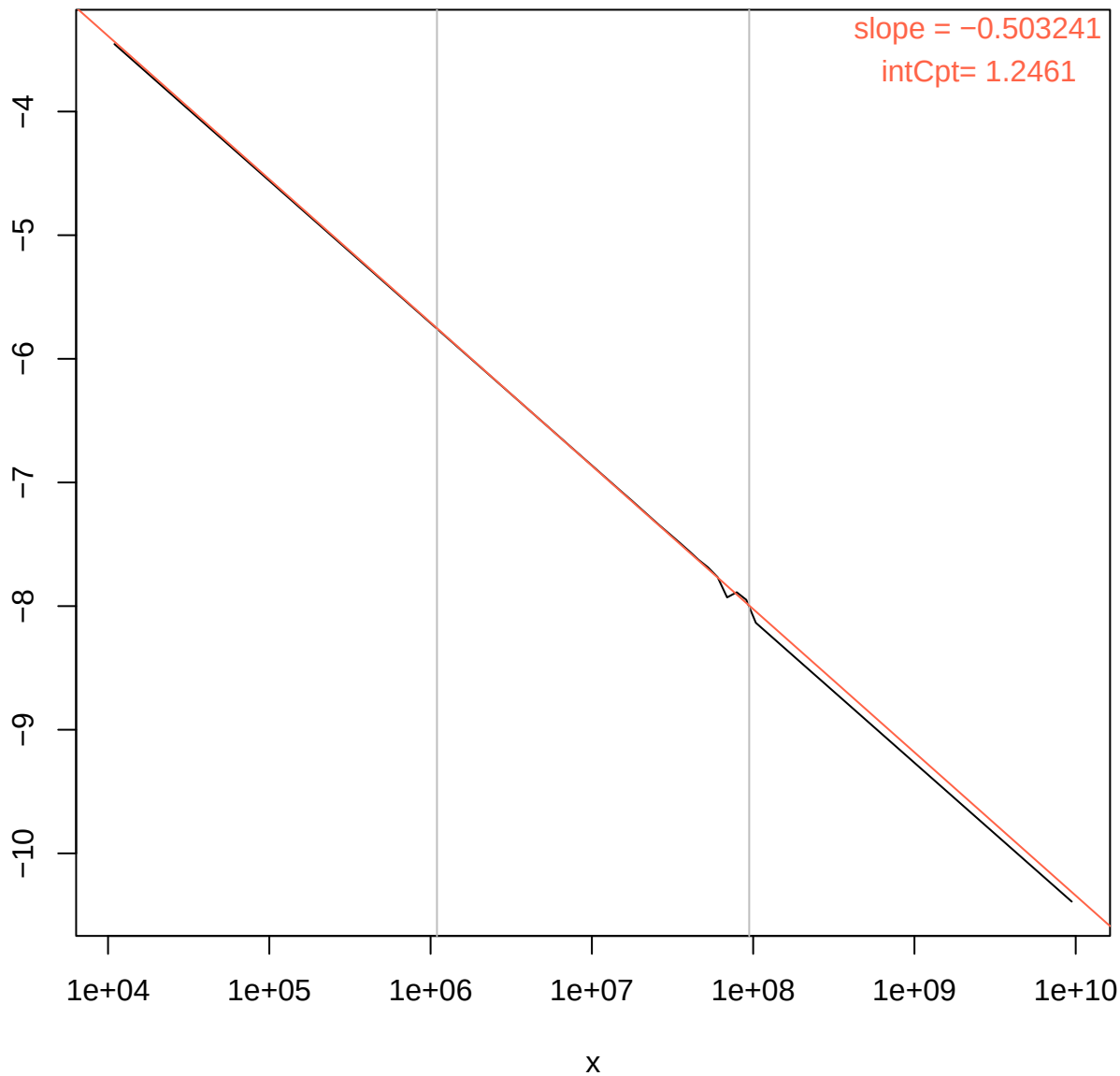
pt(exp(.), df=0.5, ncp=18, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is **linear** in it; starting @ $[13.9065, 18.5117]$

final int. $[13.9065, 18.3642]$
coef. = $(1.2461, -0.503241)$



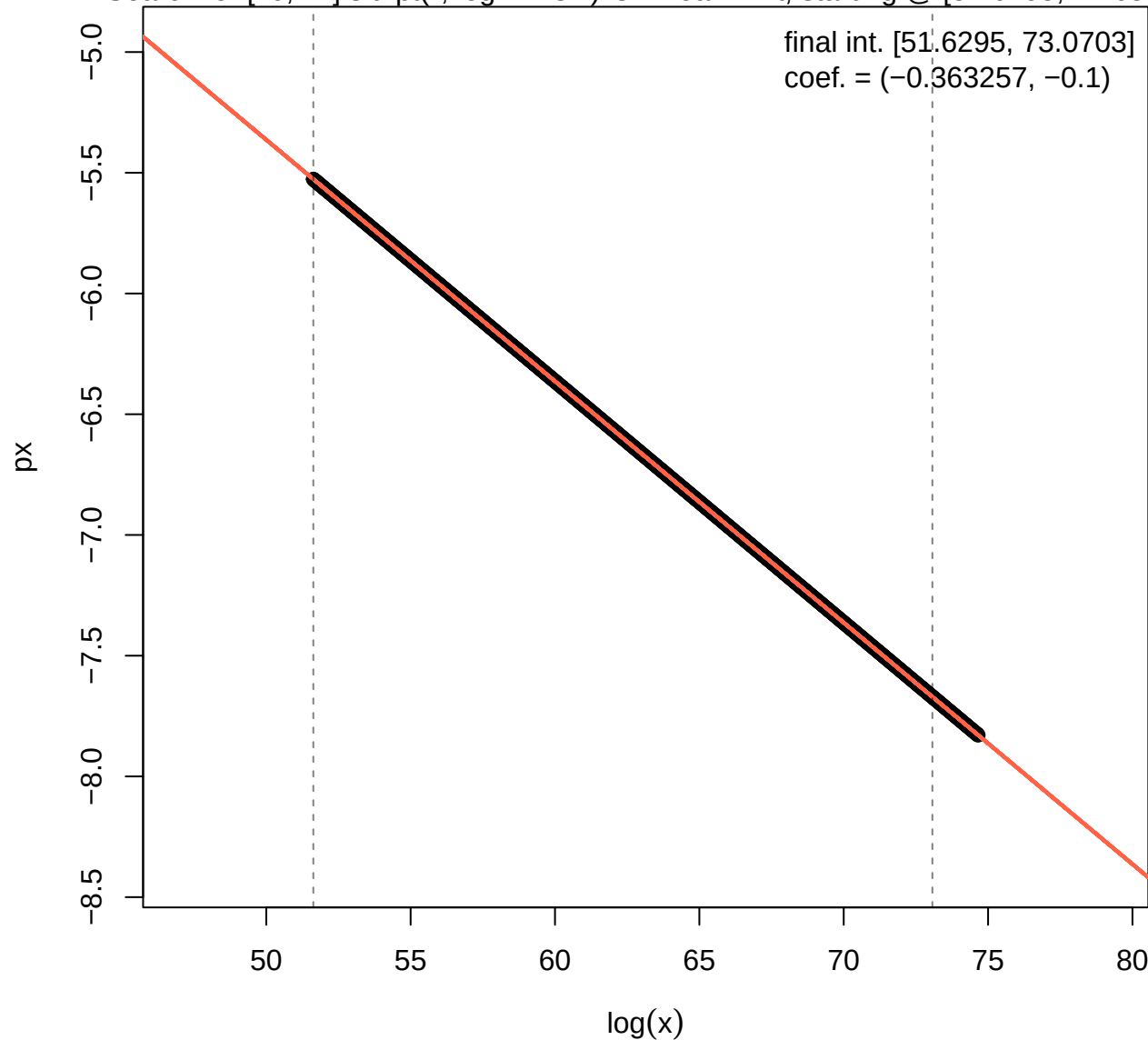
pt(x, df=0.5, ncp=18, log=TRUE, lower.tail=FALSE)



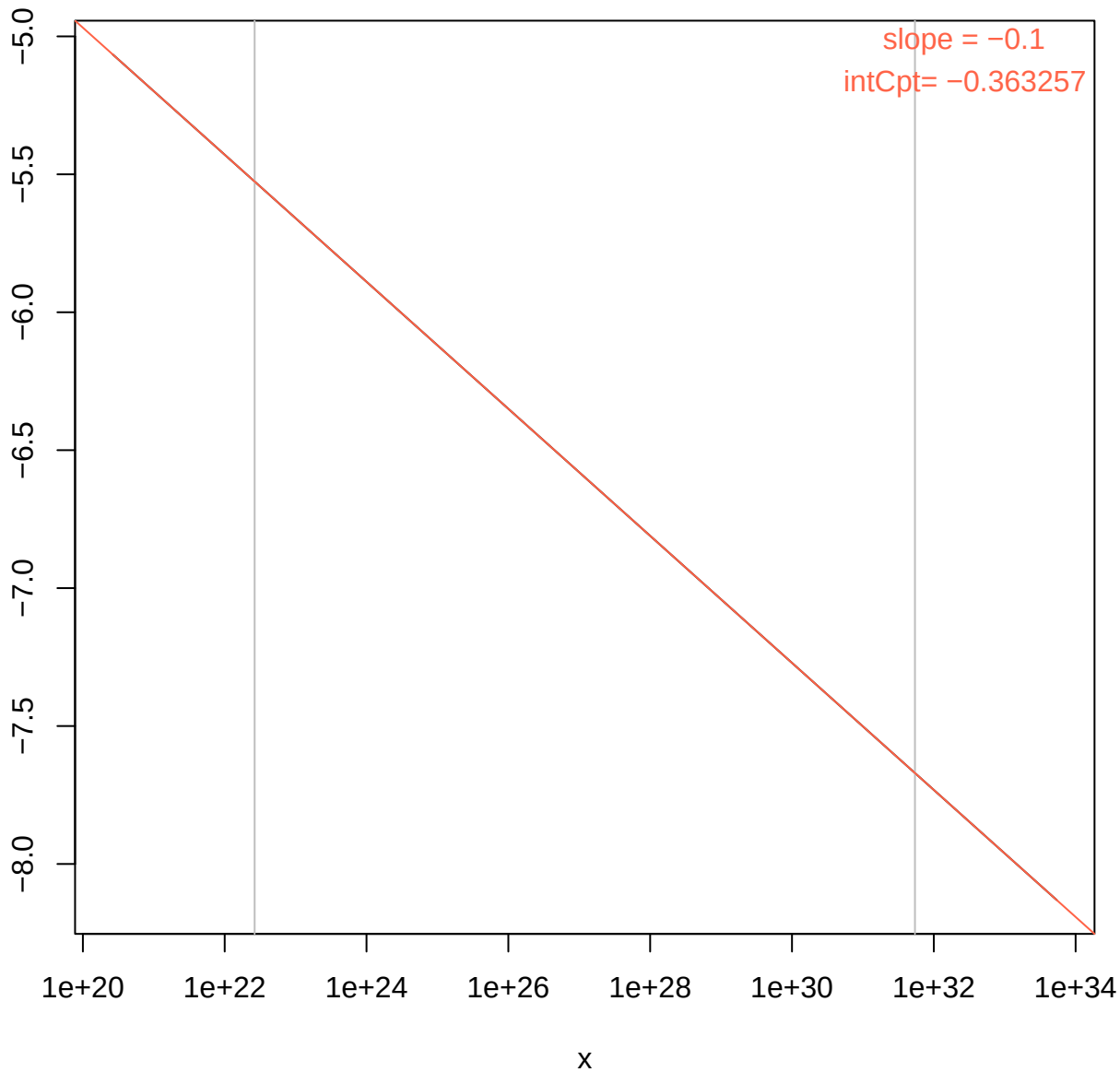
pt(exp(.), df=0.1, ncp=10, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is *linear* in it; starting @ $[51.6295, 74.6553]$

final int. $[51.6295, 73.0703]$
coef. = $(-0.363257, -0.1)$



pt(x, df=0.1, ncp=10, log=TRUE, lower.tail=FALSE)

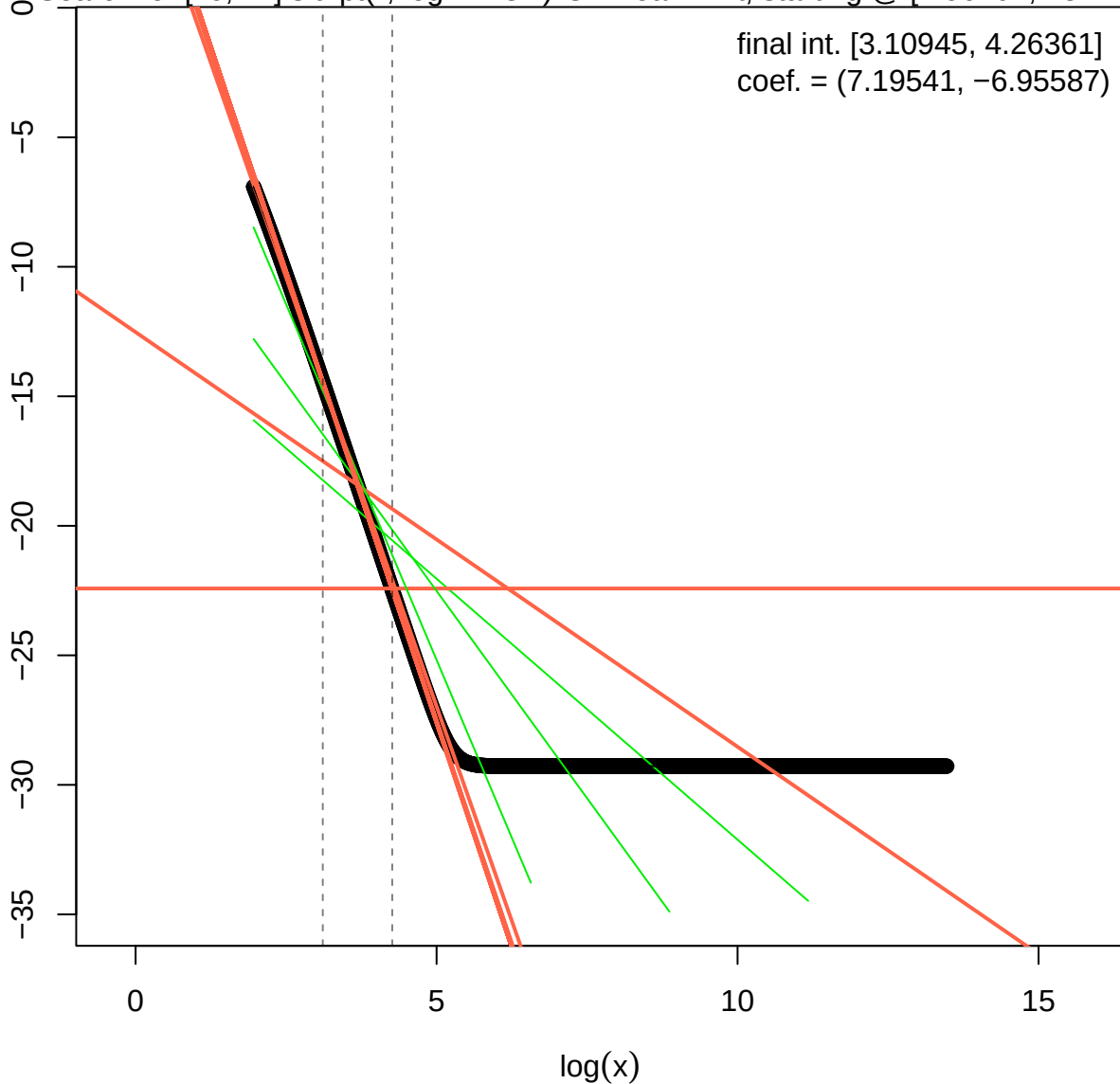


pt(exp(.), df=7, ncp=1, lower.tail=FALSE, log.p=TRUE)

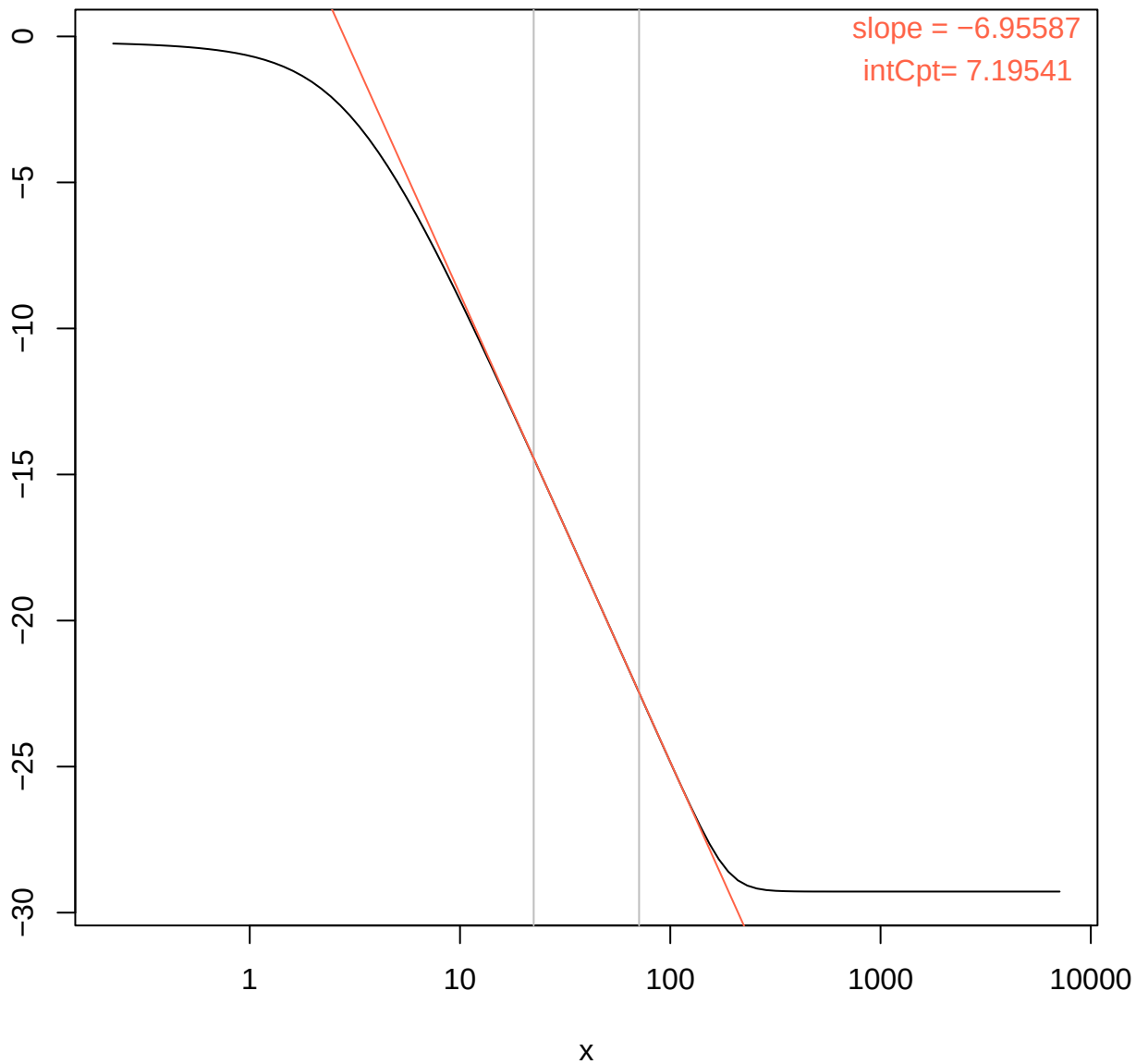
Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is **linear** in it; starting @ $[1.96102, 13.4739]$

final int. $[3.10945, 4.26361]$
coef. = $(7.19541, -6.95587)$

px



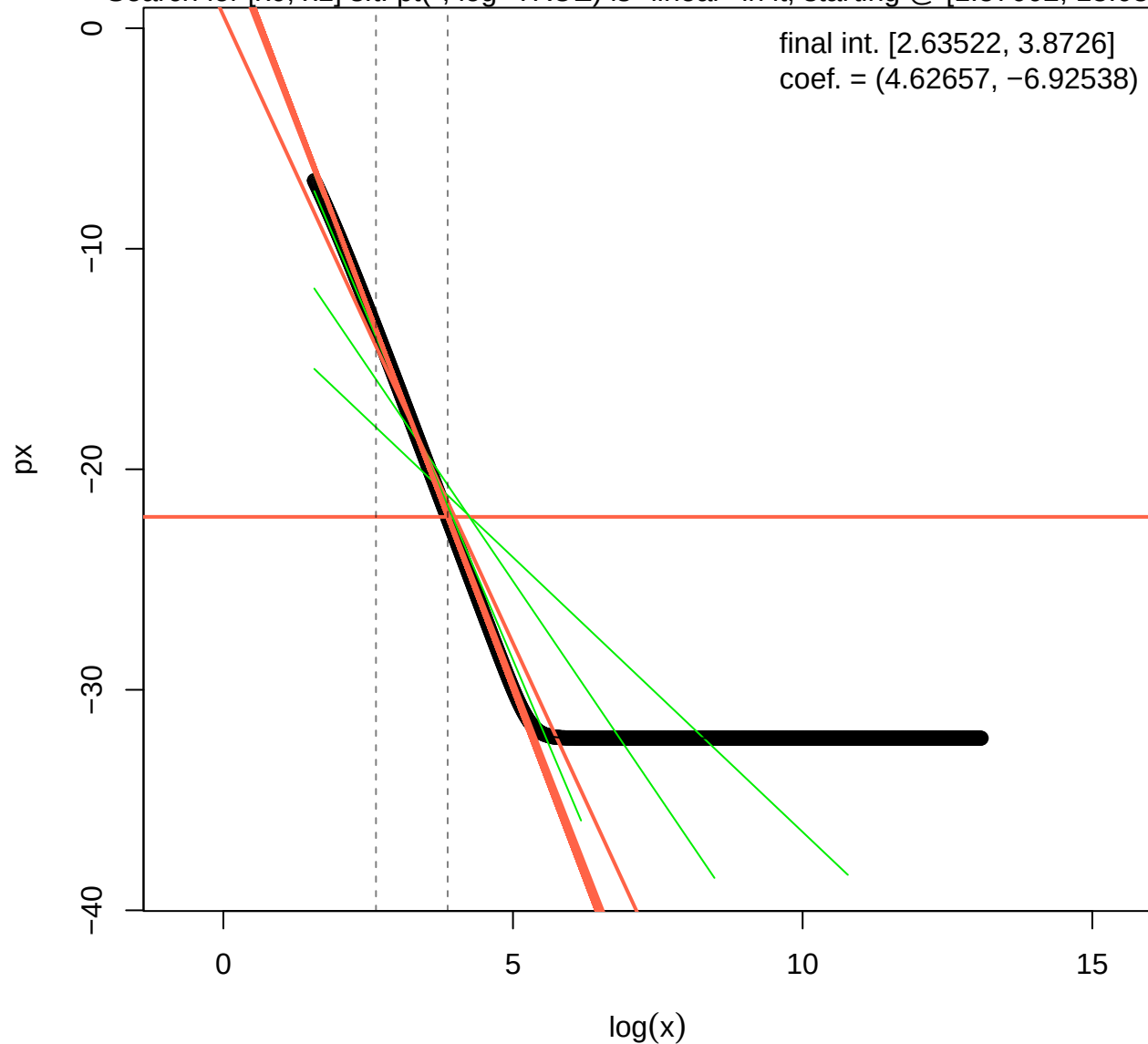
pt(x, df=7, ncp=1, log=TRUE, lower.tail=FALSE)



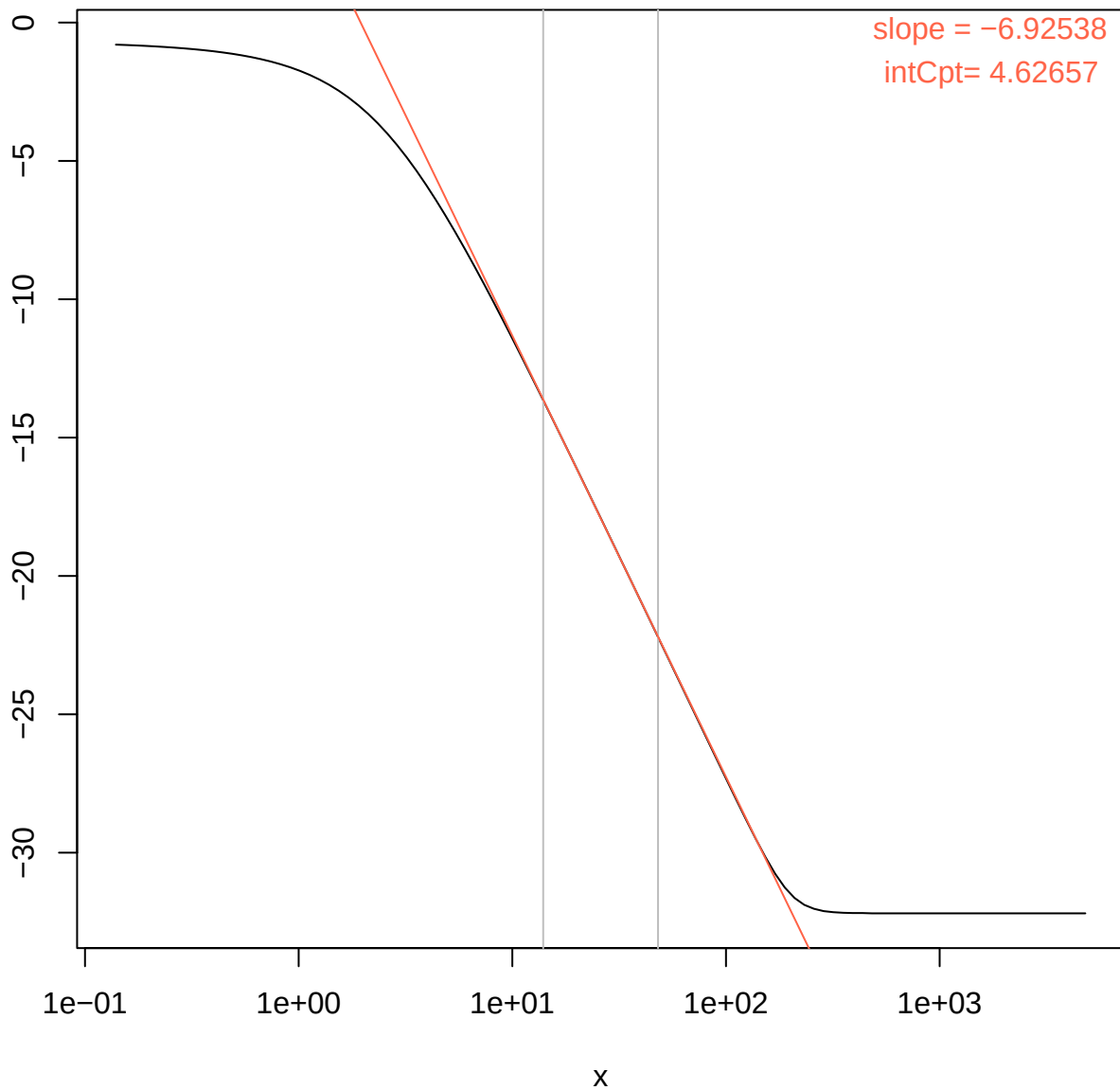
pt(exp(.), df=7, ncp=0.01, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is *linear* in it; starting @ $[1.57002, 13.0829]$

final int. $[2.63522, 3.8726]$
coef. = $(4.62657, -6.92538)$



pt(x, df=7, ncp=0.01, log=TRUE, lower.tail=FALSE)

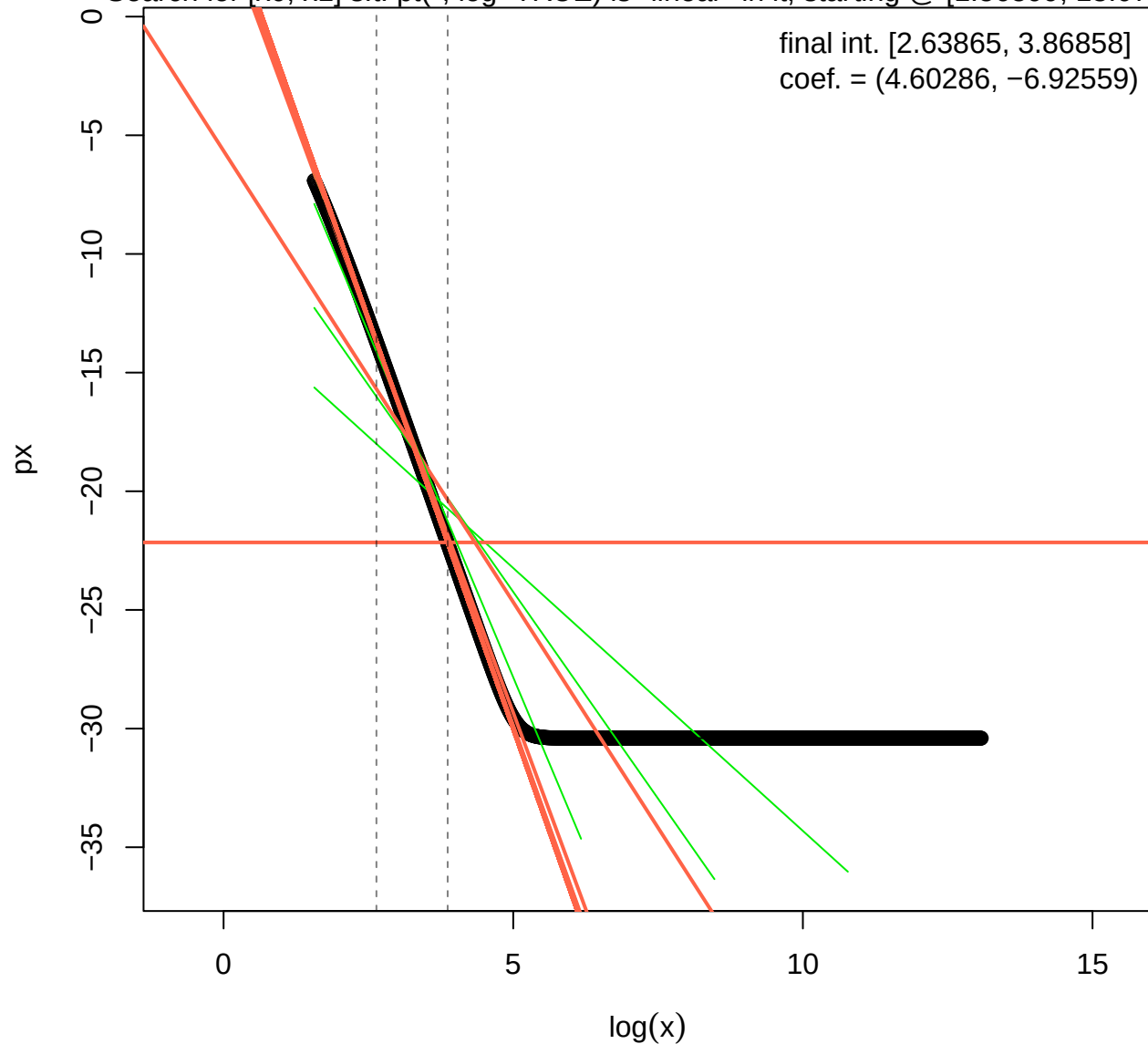


pt(exp(.), df=7, ncp=0.001, lower.tail=FALSE, log.p=TRUE)

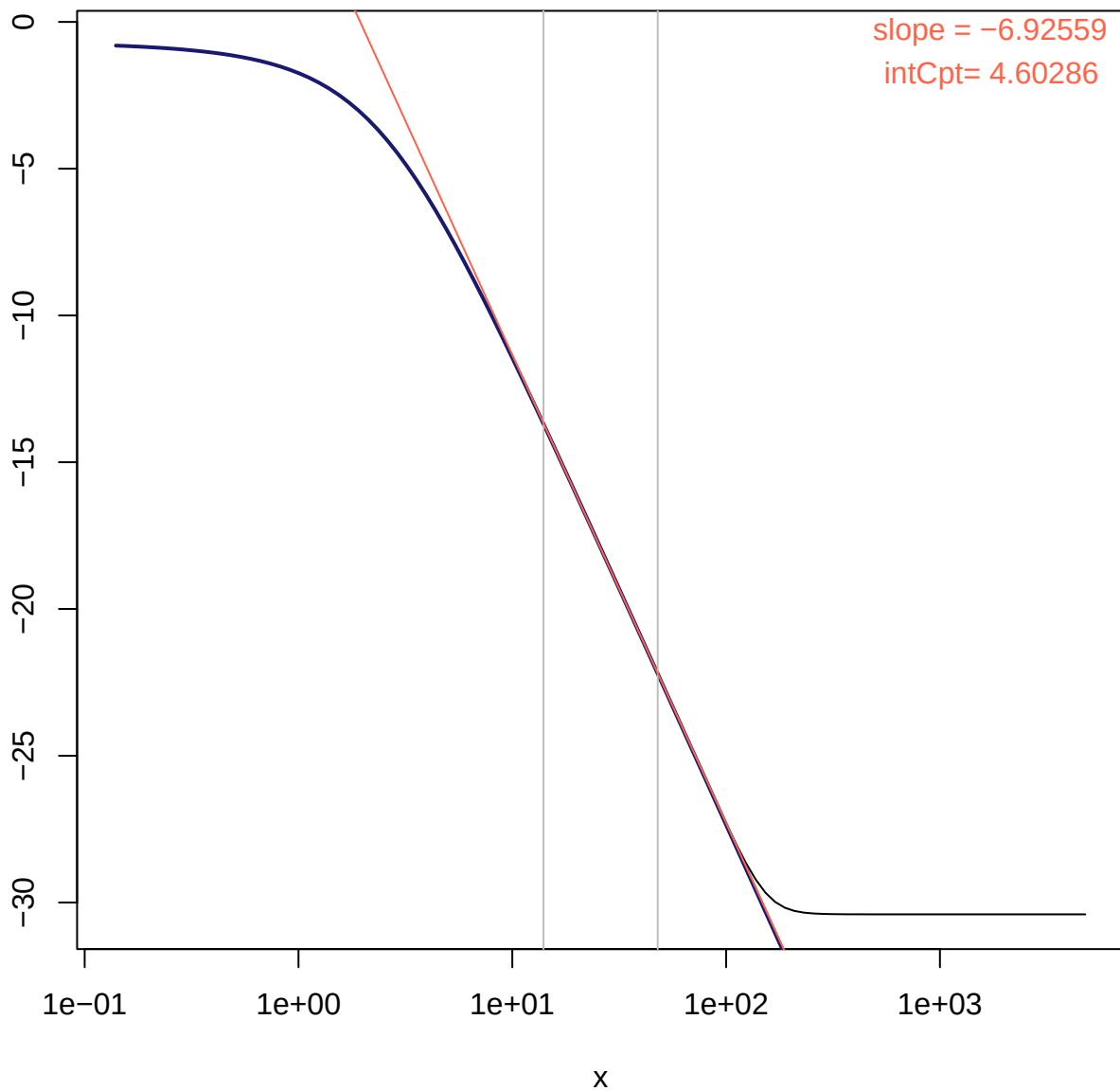
Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is *linear* in it; starting @ $[1.56599, 13.0789]$

final int. $[2.63865, 3.86858]$

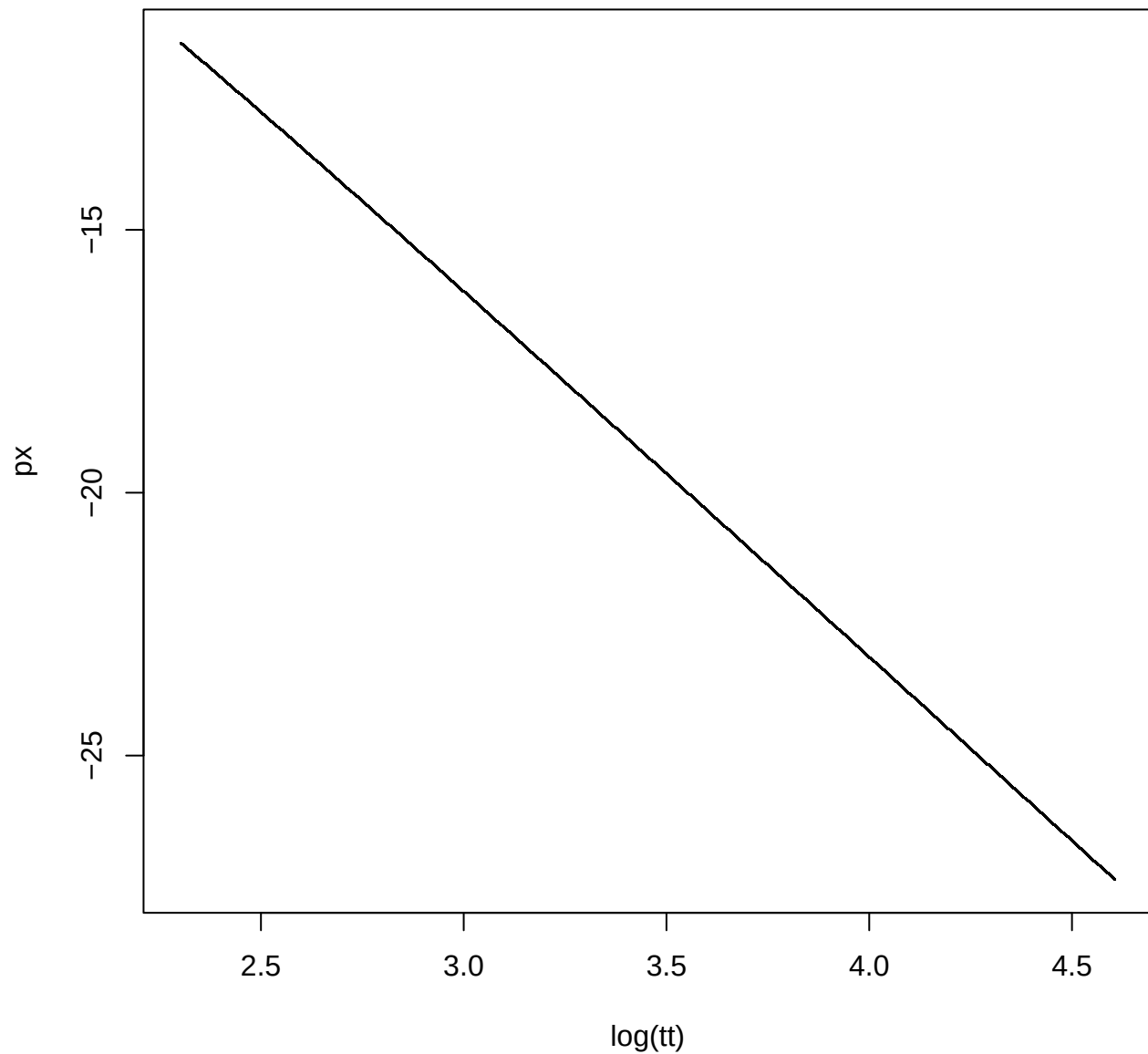
coef. = $(4.60286, -6.92559)$



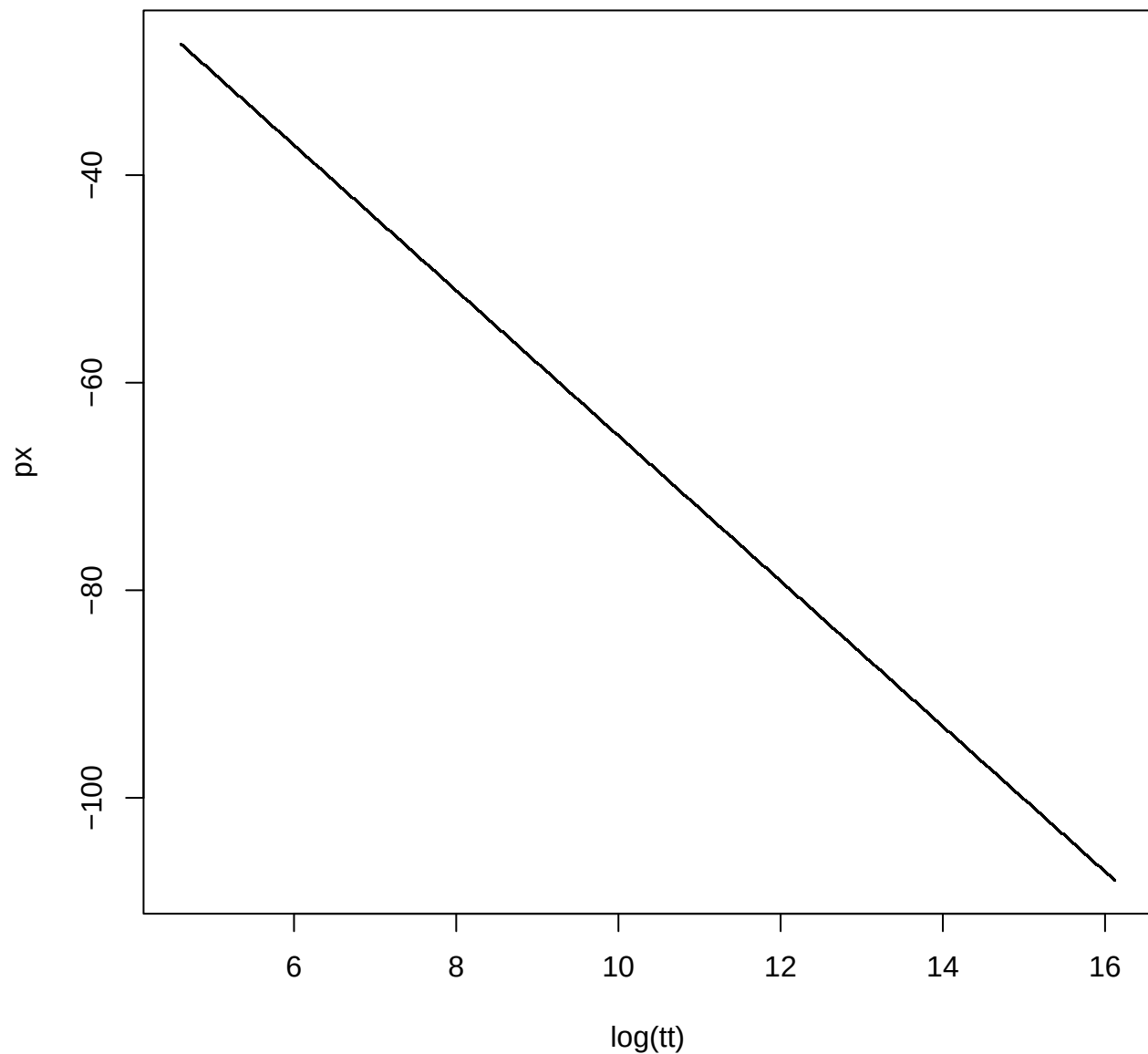
pt(x, df=7, ncp=0.001, log=TRUE, lower.tail=FALSE)



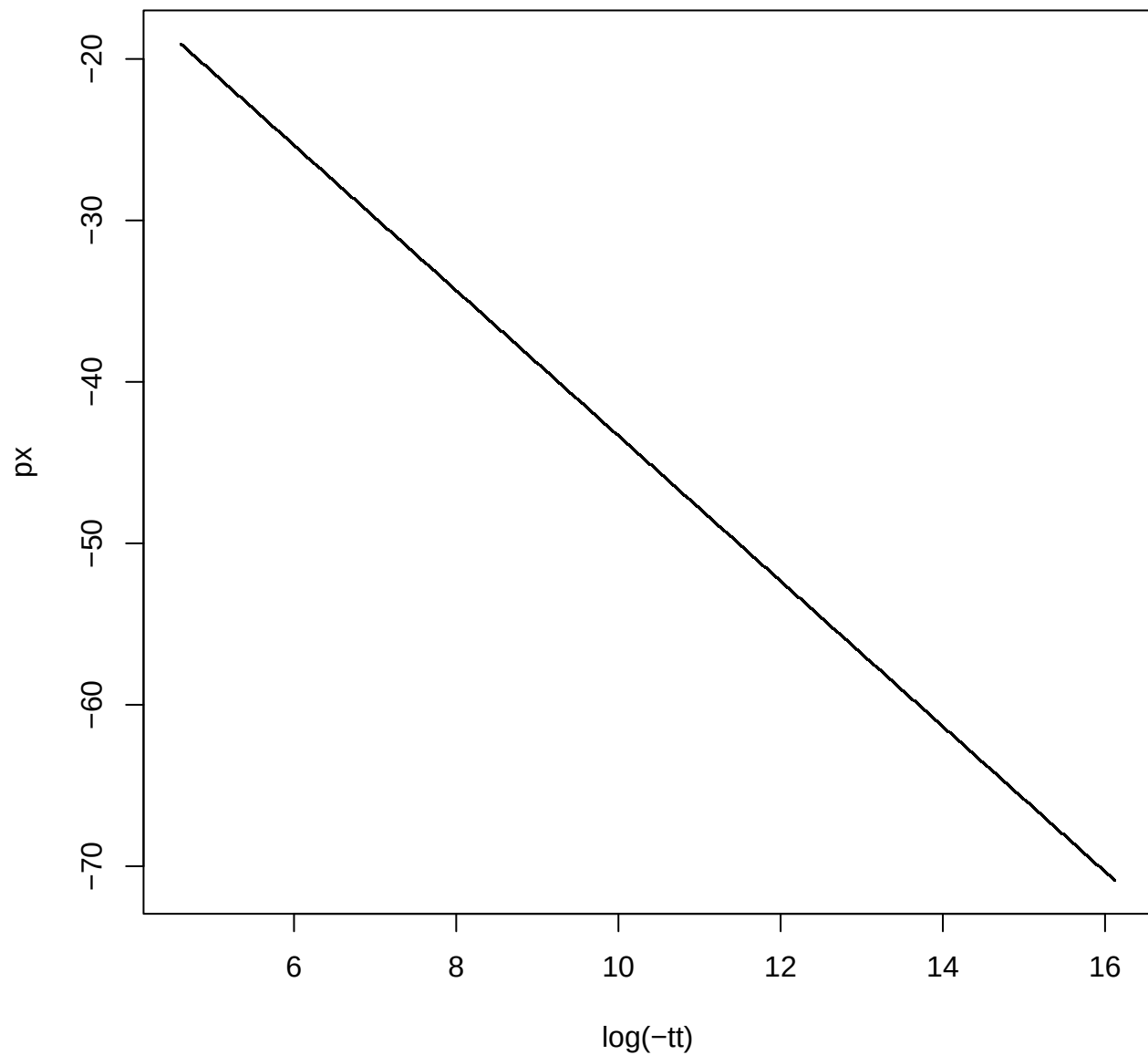
pt(tt, df=7, log=TRUE, lower.t=F)



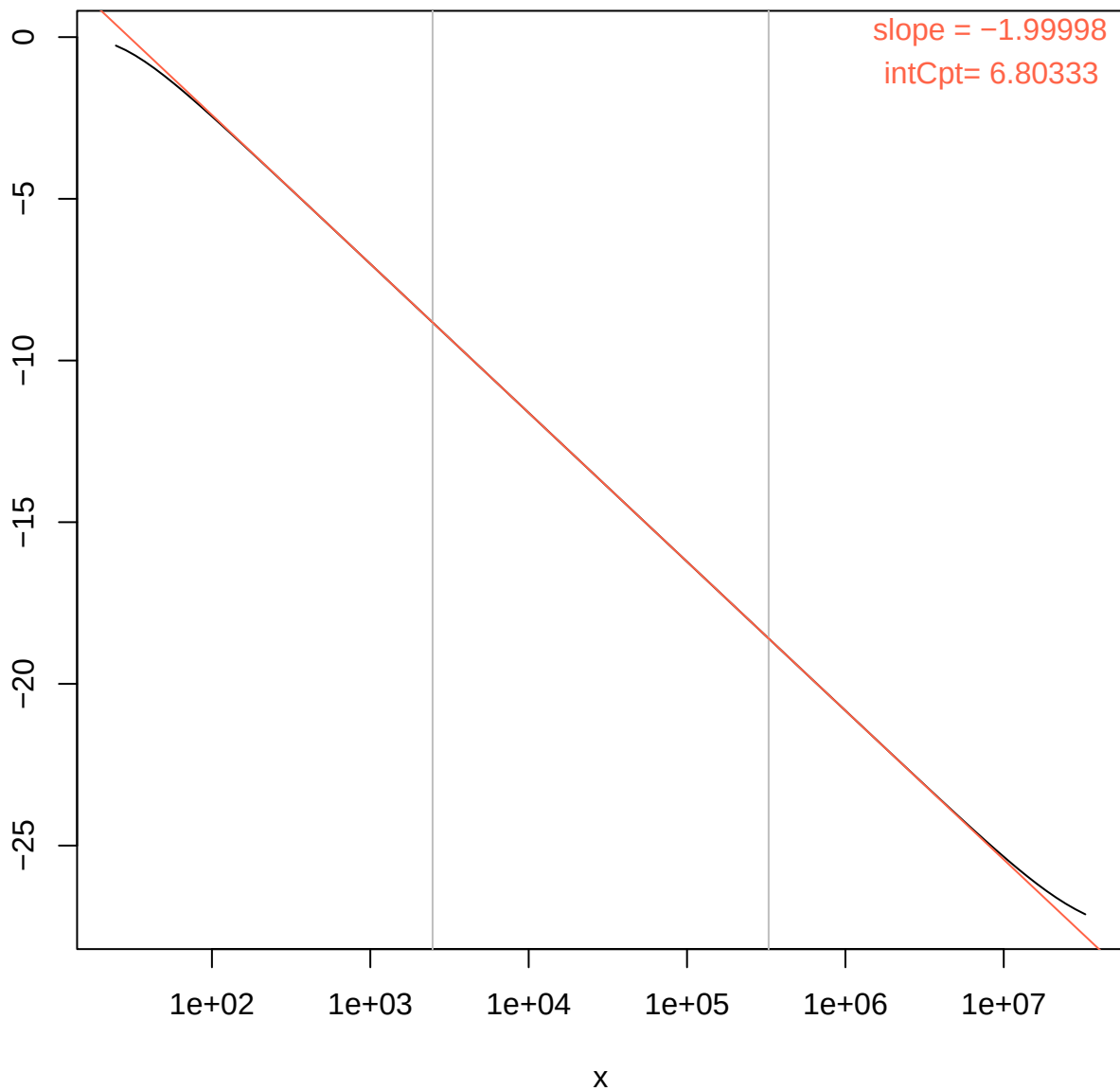
pt(tt, df=7, log=TRUE, lower.t=F) -- larger range(tt)



`pt(tt, df=7, log=TRUE, lower.tail=TRUE)`

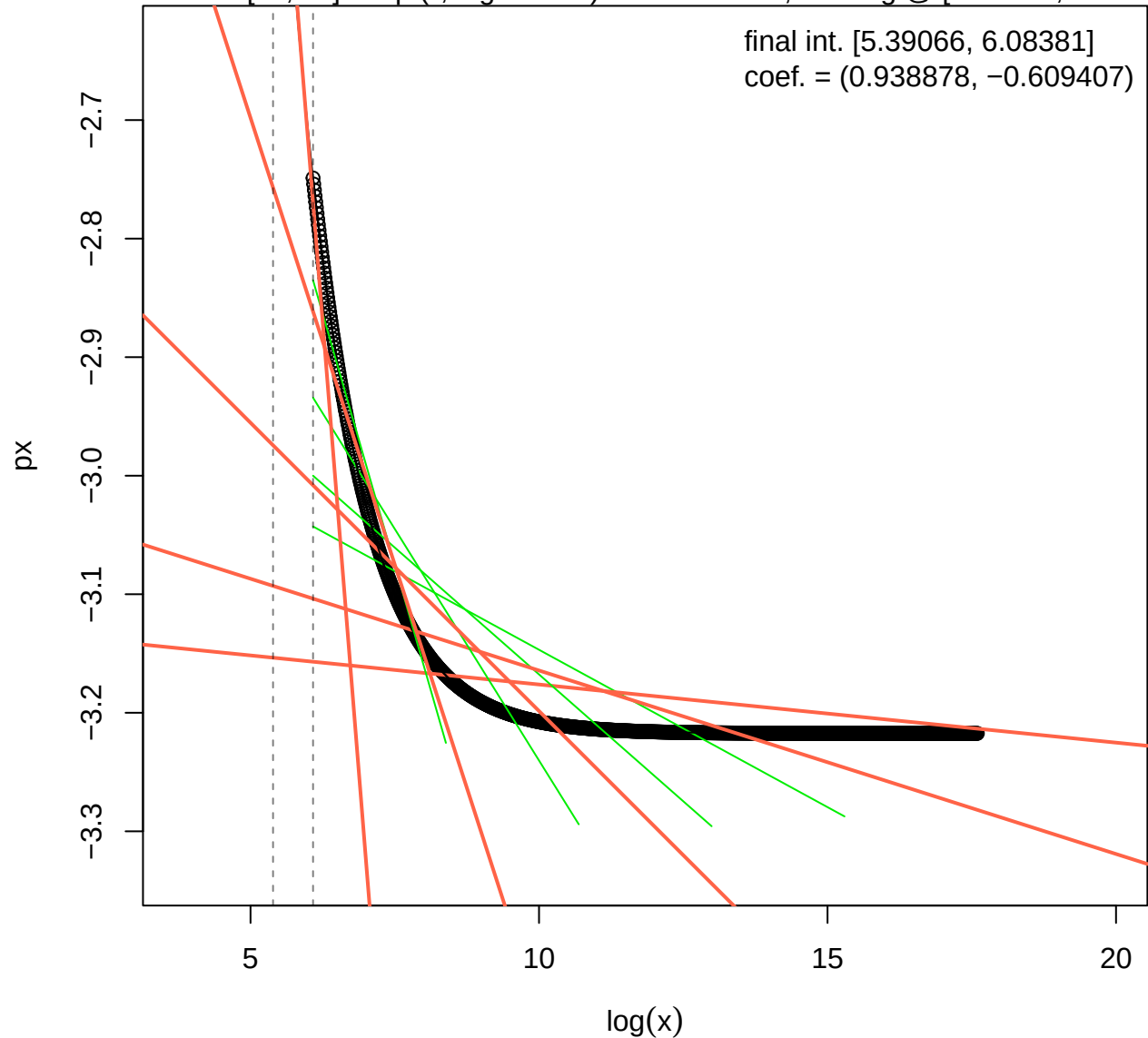


pt(x, df=2, ncp=30, log=TRUE, lower.tail=FALSE)

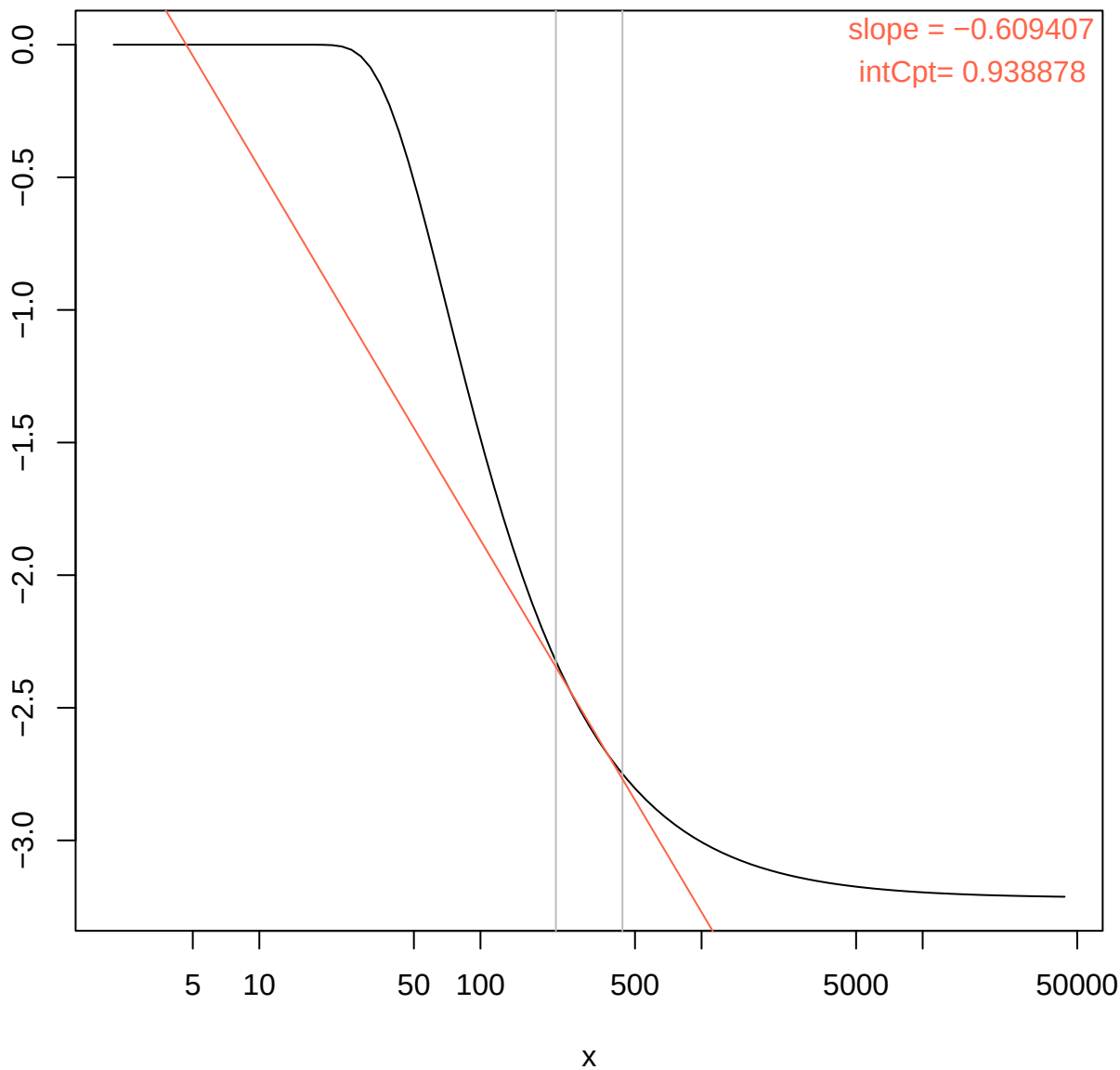


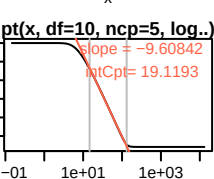
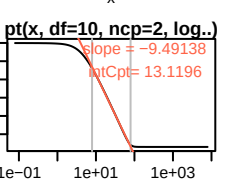
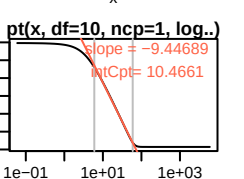
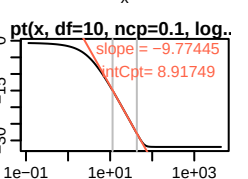
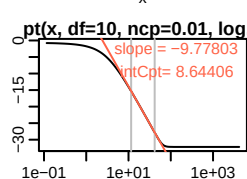
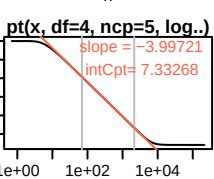
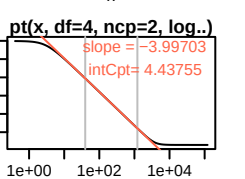
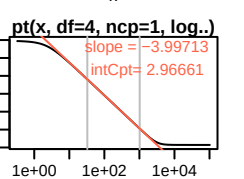
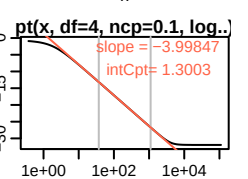
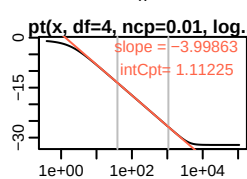
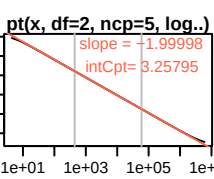
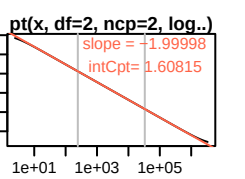
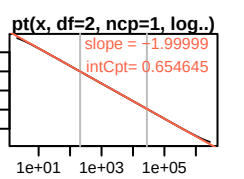
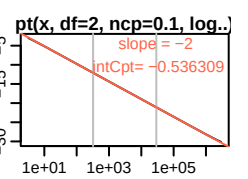
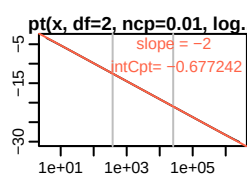
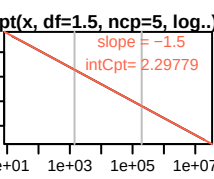
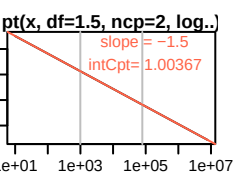
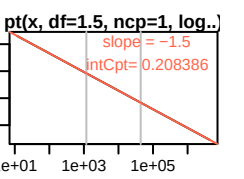
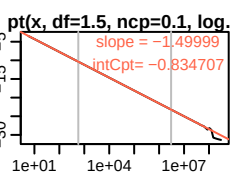
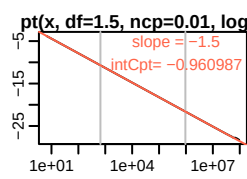
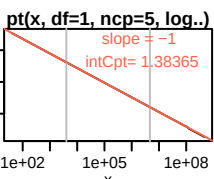
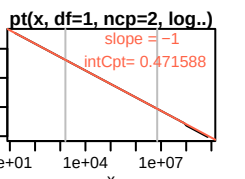
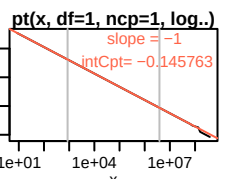
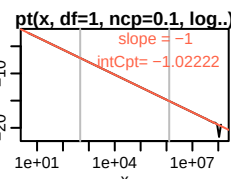
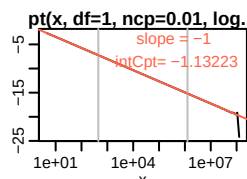
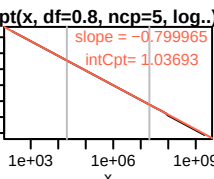
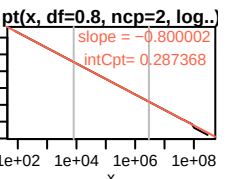
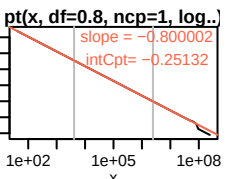
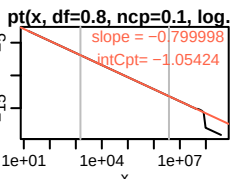
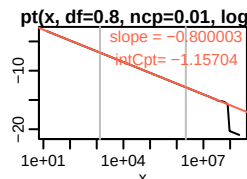
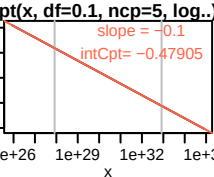
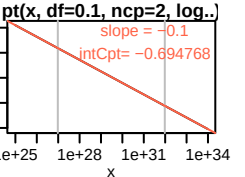
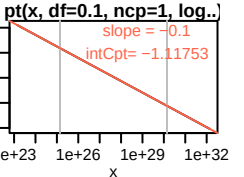
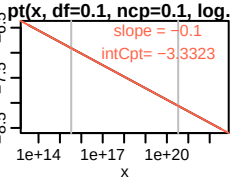
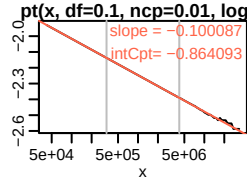
pt(exp(.), df=2, ncp=50, lower.tail=FALSE, log.p=TRUE)

Search for $[x_0, x_1]$ s.t. $\text{pt}(*, \text{log}=\text{TRUE})$ is **linear** in it; starting @ $[6.08381, 17.5967]$

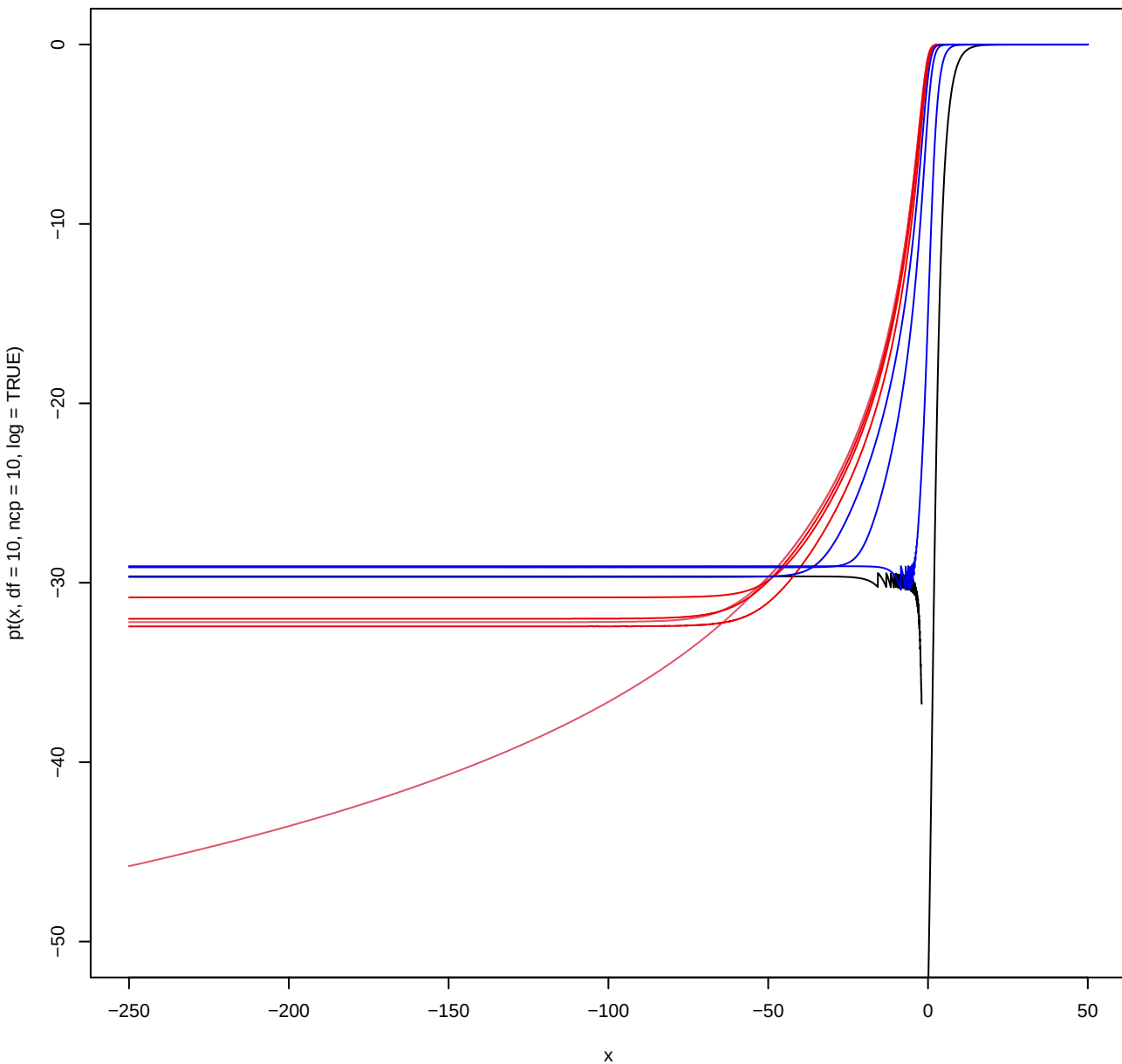


pt(x, df=2, ncp=50, log=TRUE, lower.tail=FALSE)

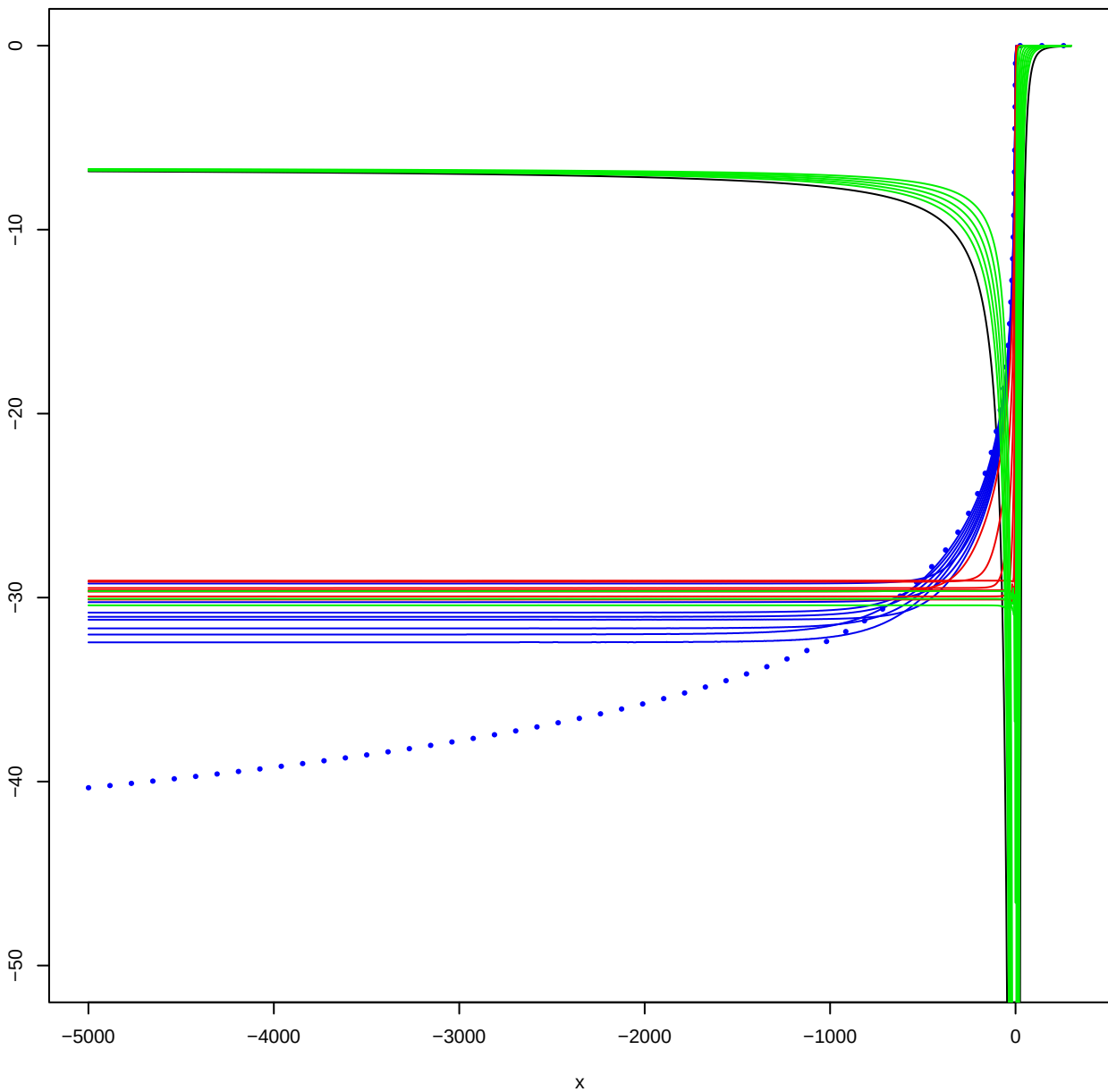




pt(x, df=10, ncp= *, log=TRUE), -250,50, ..) for various ncp



pt(x, df = 5, ncp = 100, log = TRUE)



$dt(x, df = 16, ncp = 1)$

