Discretized-differential Approximation

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for

discrete\_approx <- function()  
  
  
q0 <- 1  
q1 <- 0.0315  
q2 <- -0.00062  
r <- 0.035  
w <- 50000  
s <- 0.1  
T <- 40  
Tbar <- 55  
k\_Tbar <- 0  
A\_approx <-   
dt <- 0.01