Given:

Number of call options = 50
Theta (Θ) = -0.05 per option
Time period = 10 days
Contract size = 100 shares per option (assuming standard contract size)

Calculate daily time decay loss per option:

Daily time decay loss per option = Θ × contract size
Daily time decay loss per option = -0.05 × 100 = -5

Calculate daily time decay loss for the entire position:

Daily time decay loss for the entire position = Daily time decay loss per option × number of options
Daily time decay loss for the entire position = -5 × 50 = -250

Calculate the total time decay loss over 10 days:

Total time decay loss over 10 days = Daily time decay loss for the entire position × time period
Total time decay loss over 10 days = -250 × 10 = -2500