



$L = \text{known}$   
 $T_o = \text{known}$   
 $k_{\text{st}} = \text{known}$   
 $k_{\text{ins}} = \text{known}$   
 $r_a = \text{known}$   
 $r_b = \text{known}$   
 $r_c = \text{known}$   
 $r_d = \text{known}$   
 $T_s = ?$   
 $T_A = ?$