HW#5

Read Chapter 4

Calculate the maximum distance traveled by the SBJ at 35,000 ft if the initial weight is 12,500 lb and the final weight is 9,000 lb. Values of $F_{\text{max}}$ for 12,500 lb, 9,500 lb, and 9,000 lb are given in Table 4.1. The solution involves the use of Eq. 4.25.

Definitions:

1. ceiling
2. true airspeed
3. cruise ceiling
4. flight envelope
5. minimum time climb
6. rate of climb