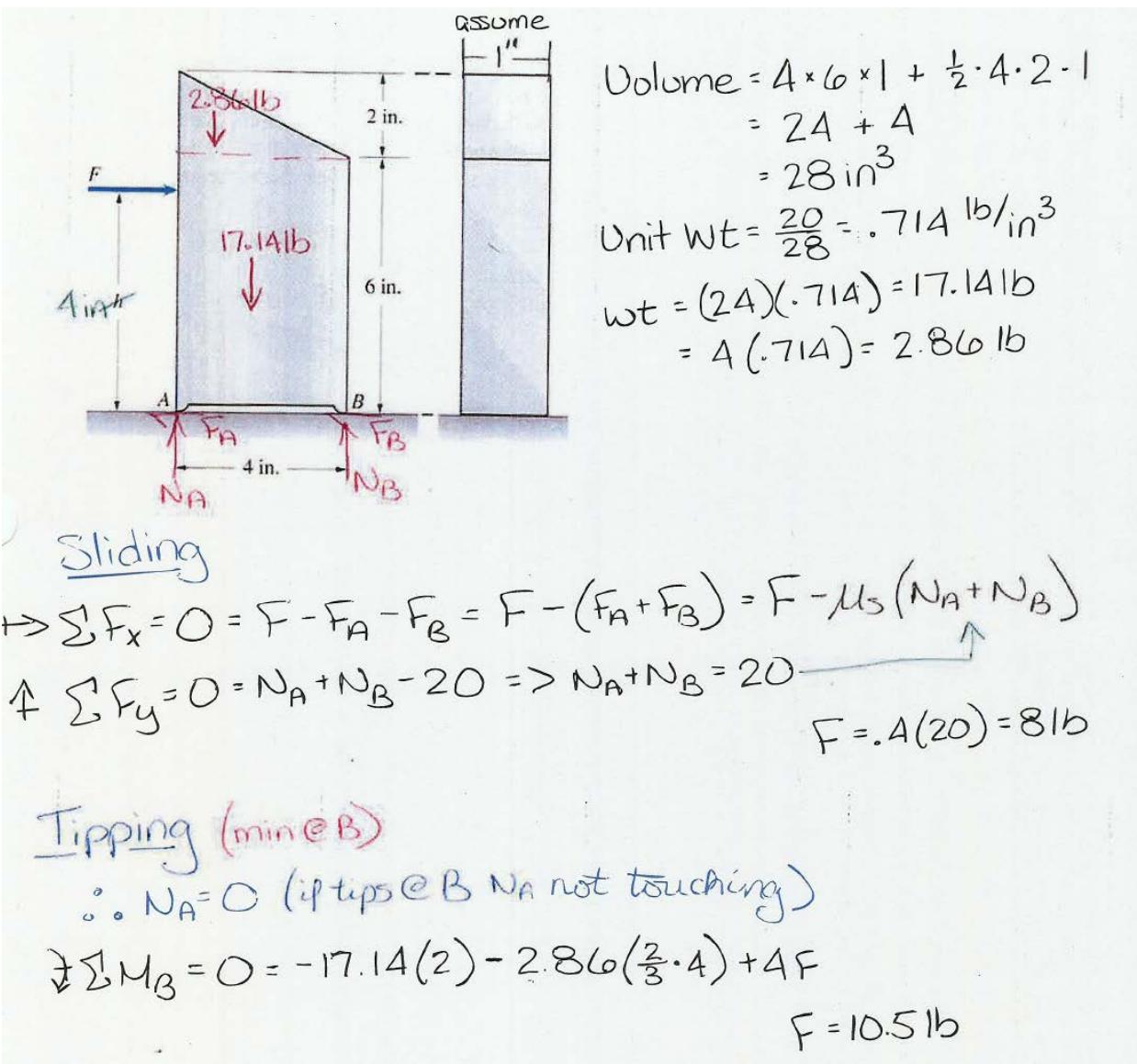


Problem 3: Determine the largest force F to cause impending motion. The 20-lb object is supported at A and B . The distance $h = 4$ in. $\mu_s = 0.4$



ANSWER: Sliding = 8.00 lbs, Tipping = 10.00 lbs
Thus object will slide at force of 8.00 lbs