

## Mini HW #1

Due Time: 2017/09/28 (Thu.) 14:20  
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### Problem 1

Let  $f(n) = g(n) + h(n)$ . Given  $g(n) = \Theta(F(n))$  and  $h(n) = O(F(n))$ , prove or disprove  $f(n) = \Theta(F(n))$ . (Use the definitions of  $O$  and  $\Theta$  given in textbook 3.1)