Set 7 - Homework

Name:

(1) Can we solve the simultaneous congruence $x \equiv 1 \pmod{4}$ and $x \equiv 0 \pmod{6}$?

(2) Let f_n denote the *n*-th Fibonacci number. Show that $f_n \leq 2^n$ for every *n*. You may need to use strong induction.