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HOMEWORK 1

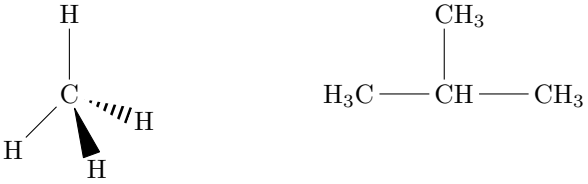
EECE 1234
Professor Schmitty

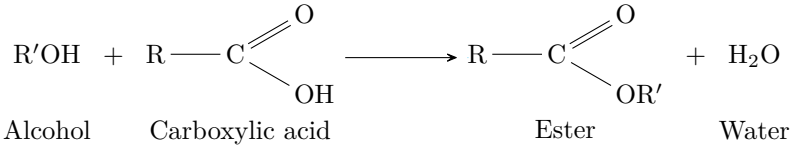
Problem 1

Problem quotes use *quesiton* environment.

> *Problem statements in italics using the* question *environment. Since wrapped in a* tabular *environment, inline math like* $a^2 + b^2 = c^2$ *is allowed.*

Example `chemfig`,





Problem 2

Syntax highlighting code blocks is simple if using `minted`, however requires eternal python compilation. This makes very pretty code blocks that are ulikely to compile without fidling.

Part I

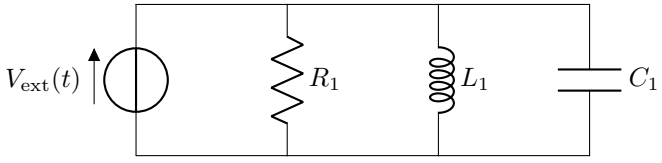
```
def fib(n):
    if n <= 1:
        return n
    else:
        return fib(n-1) + fib(n-2)
```

Part II

```
(define (fib n)
    (cond [(<= n 1) n]
          [else (+ (fib (- n 1)) (fib (- n 2)))]))
```

Problem 3

Some `circuitikz`,



Always make your answers clear!

$$\frac{1}{L_1}\int_0^t V(\tau)d\tau + \frac{V(t)}{R_1} + C_1\frac{dV(t)}{dt} = V_{\text{ext}}(t)$$

Hey, another page! Look at the different header!