

In [ ]:

# Homework 1

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## Problem 1

In [ ]:

```
class Problem1:
    def __init__(self):
        self.q_times = [3, 4, 3, 3]
        self.time = [5, 10, 6, 9]
        self.den = 30
        self.num = 0

        for i in range(len(self.q_times)):
            self.num += self.q_times[i] * self.time[i]

        print(f"{self.num/self.den:.3f} minutes")

x = Problem1()
```

3.333 minutes

## Problem 2, 3, 4

See the excel sheet. The problem asks for it to be solved by hand or non-simulation methods.