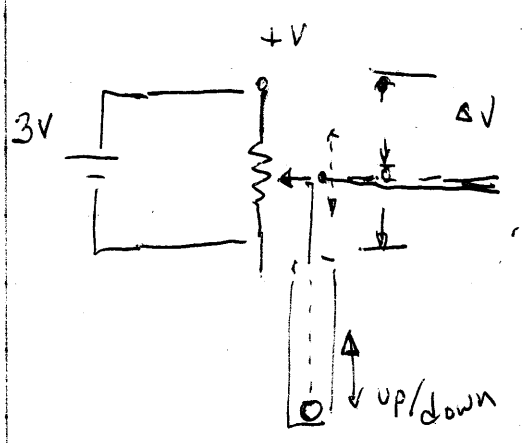
ECET/CPET 491

Hydrometer

2013/2/4



HIGH #1 Store μC

First ΔV → A/D

:

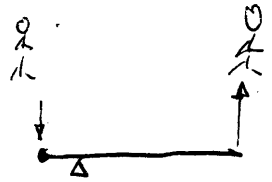
LOW Final ΔV → #N μC

while loop

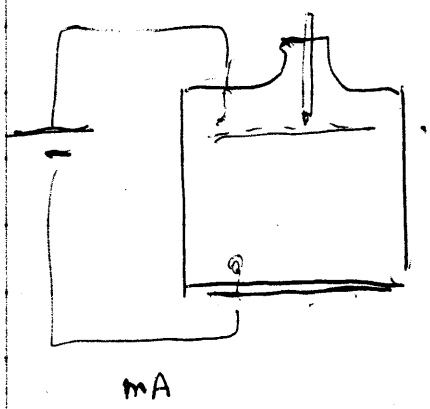
Condition

$\Delta V_i - \Delta V_n \leq -$

Stop.

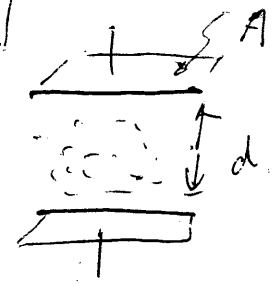


* Water thicker than water



Calibration

$C = \epsilon \frac{A}{d}$



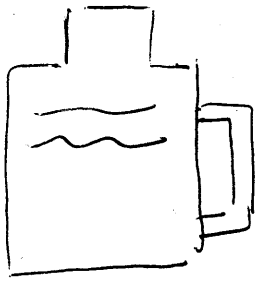
Bearbug

Residual sugar in urine

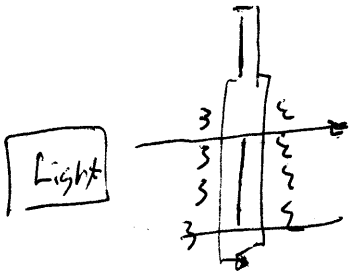
Blood Sugar

Vat / Jar

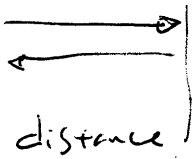
Level not change



Light measurement



Ultrasonic Sensor



Use case Example

A Patient.

↳ Make Appointment

Phoneline

1. Call Physician office
2.
3. Calender
4. Confirm.

EHR
Electronic Health Record

Web-based

[Streamline process
Efficient
User friendly
24/7/365]

8 AM – 5 PM

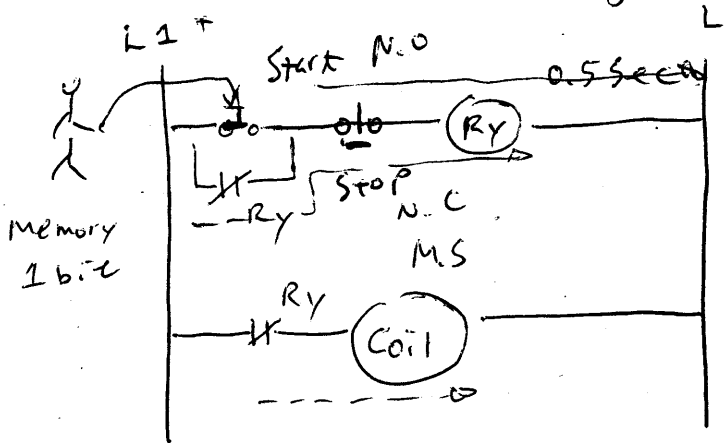
ATM Machine — Withdraw $

1. Locate a machine
2. Card / Credit / debit
3. PIN Number
4. Insert your card — Reader # format
5. PIN + Card # → Back End machine
   - Acc Balance $ ____ ✓
   - Daily Limit $ ____ ✓
6. $ Cash Available inside ATM. [$ No Cash]
7. Cash Counting Subsystem.

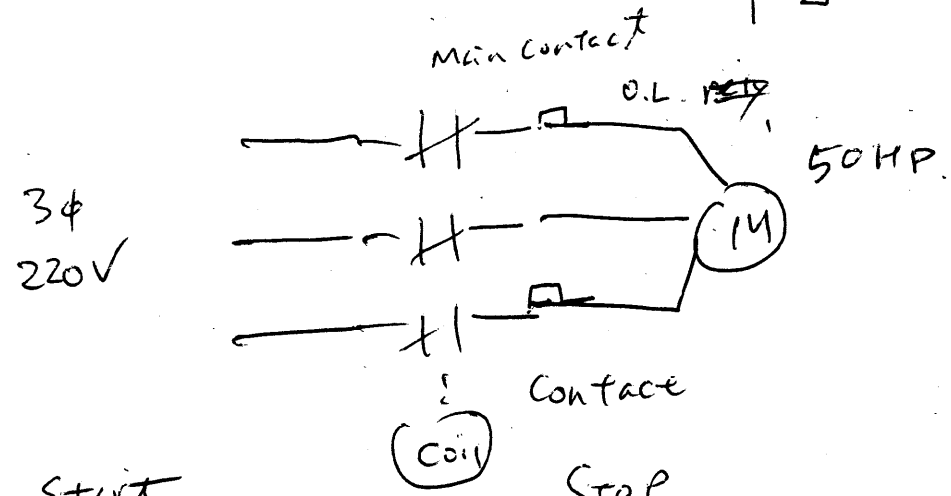
⋮

PC L

Ladder circuit Diagram



Y-Δ



Start

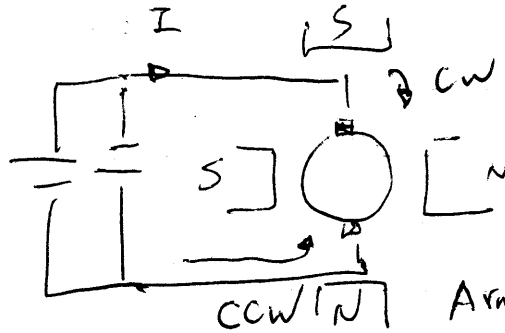
1 ——

2, ——

3, ——→

Stop

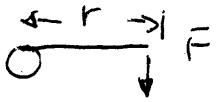
DC Motor Control = Forward / Reverse



DC motor

2 pole

4 pole

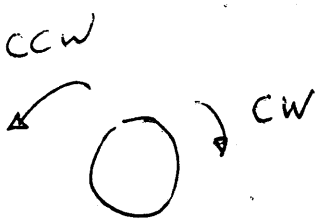


$T = F \cdot r$ unit

$\Rightarrow I$

ECET 231

ECET 211



Bridge circuit