Logistics EECS 16A i) Google does test. Module 2 Lectur 1 @ office home. 3 Review tonight. 4) 1471 5 solutions released Introduction to arcuit Analysis. 3) Intro to research Latue after midterm. Oct 6th. 5-6 pm. Module 1: How to model · Tomography, - Traffic example. · Communication · Page Raule · Speech processry. · mogray. · Segunday / Control / Robotics. Nodule 2: Yet into one model Creativity / Design -> Computer Esensor Actuati Module Module 2 This module Circuit Analysis Natation / Conventinos

Electrical Quantities

- Voltage "Across"
- Units 70ts(V)
- Symobl

- Current (2)
- Amperes (A)

- Resistance
- Ohm (IZ)
- R

Cirucit Diagrams

Equations: Linear

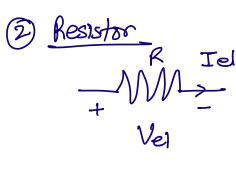
Circuit Elements

Vel = Velement

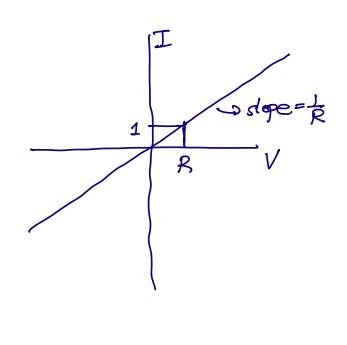
Voltage: across Current: Hnough 1) Wire +
Current (I) → Vel

Vel = 0 Id = arbitrary

Voltage (V)



Ohmis Law $V_{el} = R \cdot T_{el}$

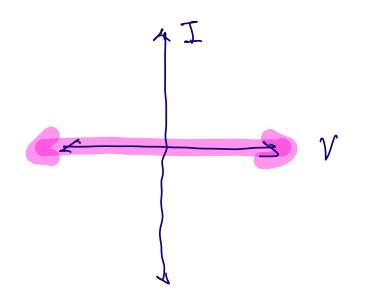


3 Open Gravit

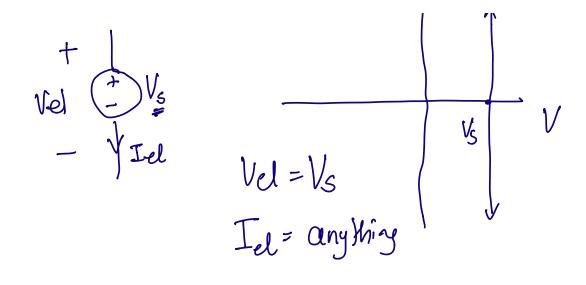
Vel

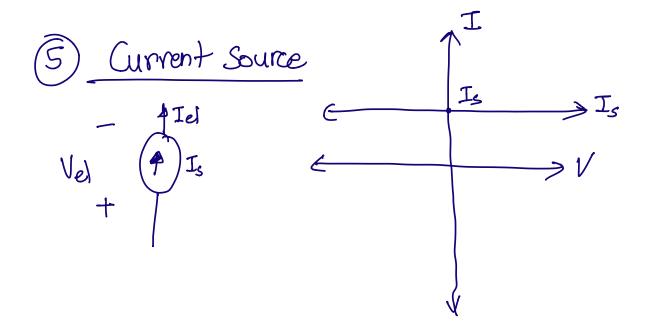
Vel

-



4) Voltage Source voltage Voltage Voltage Maintains a potential difference across ité terminals





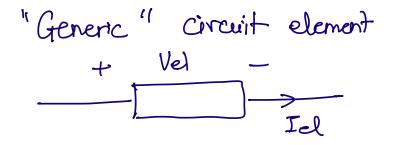
Ground Node, Mt Rainer: 4000 mb.

Ground

Define voltage as 0.

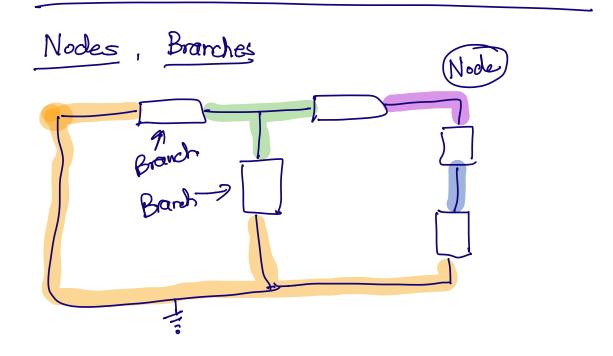
Neasure voltage with respect to this point.

How to draw arruits



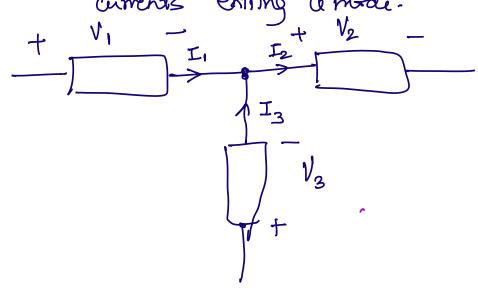
"Passive Sign Convention"

Current goes in to the + sign of the voltage and out of the negative sign.



Branches: Connections between nodes.

- · The unreasonable effectioness of mathematics.
- · Kiachhoffe Laws
- · KCL: The sum of all currents entering a node equals the sum of all currents exiting a mode.



KVL: The sum of the voltages across
the elements of a connected trop must
be zero

+ VD- + VB- + VF-

-VA +VB+Vc = 0

6.02) Quantitative Physiology