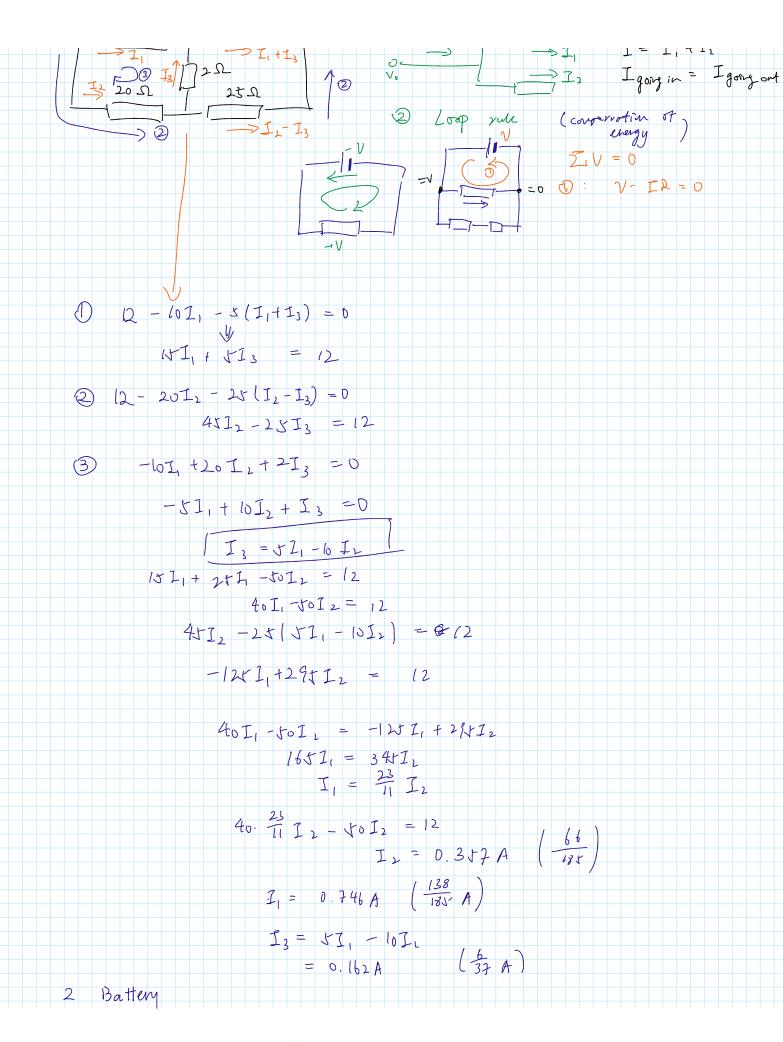
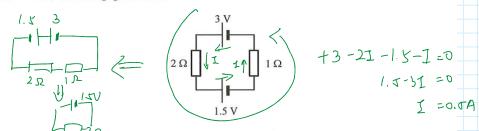
Voltage and circuit Sunday, 26 January 2025 - Voltage · Circuit . The whole M Voltage Work done W= Fd cose dW = Fds coso Electrical potential energy W = Fd coso $\frac{U(J)}{Q(C)} = \gamma$ 0 (due to a pt charge) N = JEd1 9 AV = AE Wheatstone bridge 12V Circuit · Kirchoff law. Current law (Longe)] I = I, +I, 7 I I going in = I going out

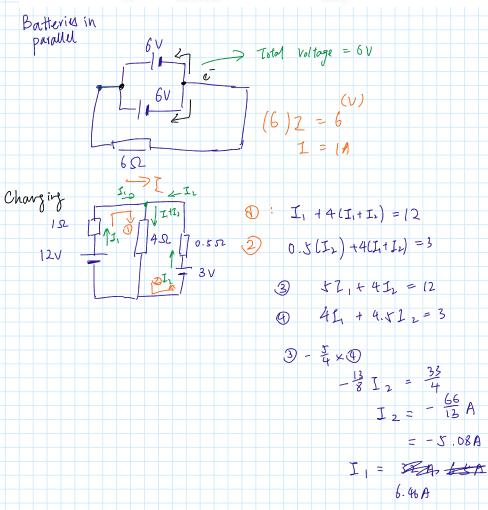


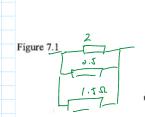
25. Two cells of negligible internal resistance are connected to two resistors as shown.

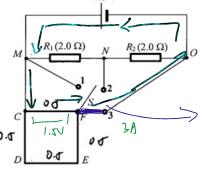


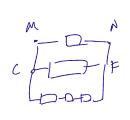
Which of the following is correct?

7	direction of current	current in the circuit
(A.)	anticlockwise	0.5 A
B.	clockwise	0.5 A
C.	anticlockwise	1.5 A
D.	clockwise	1.5 A







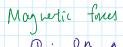


(i) To which terminal (1, 2 or 3) should switch S be connected in order to have a maximum current flowing through side CF of the coil? (1 mark)

Terminal 3

(ii) With S connected to terminal 2 find the equivalent resistance across MN.

(2 marks)



1 : On a moving change

(2) Force on a current.