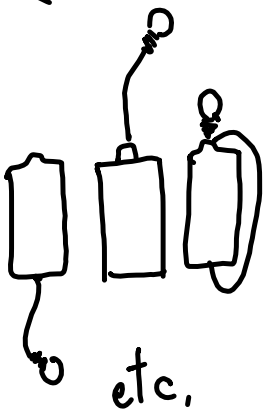
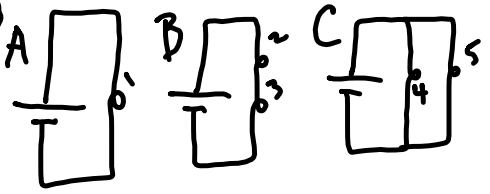
Earlier



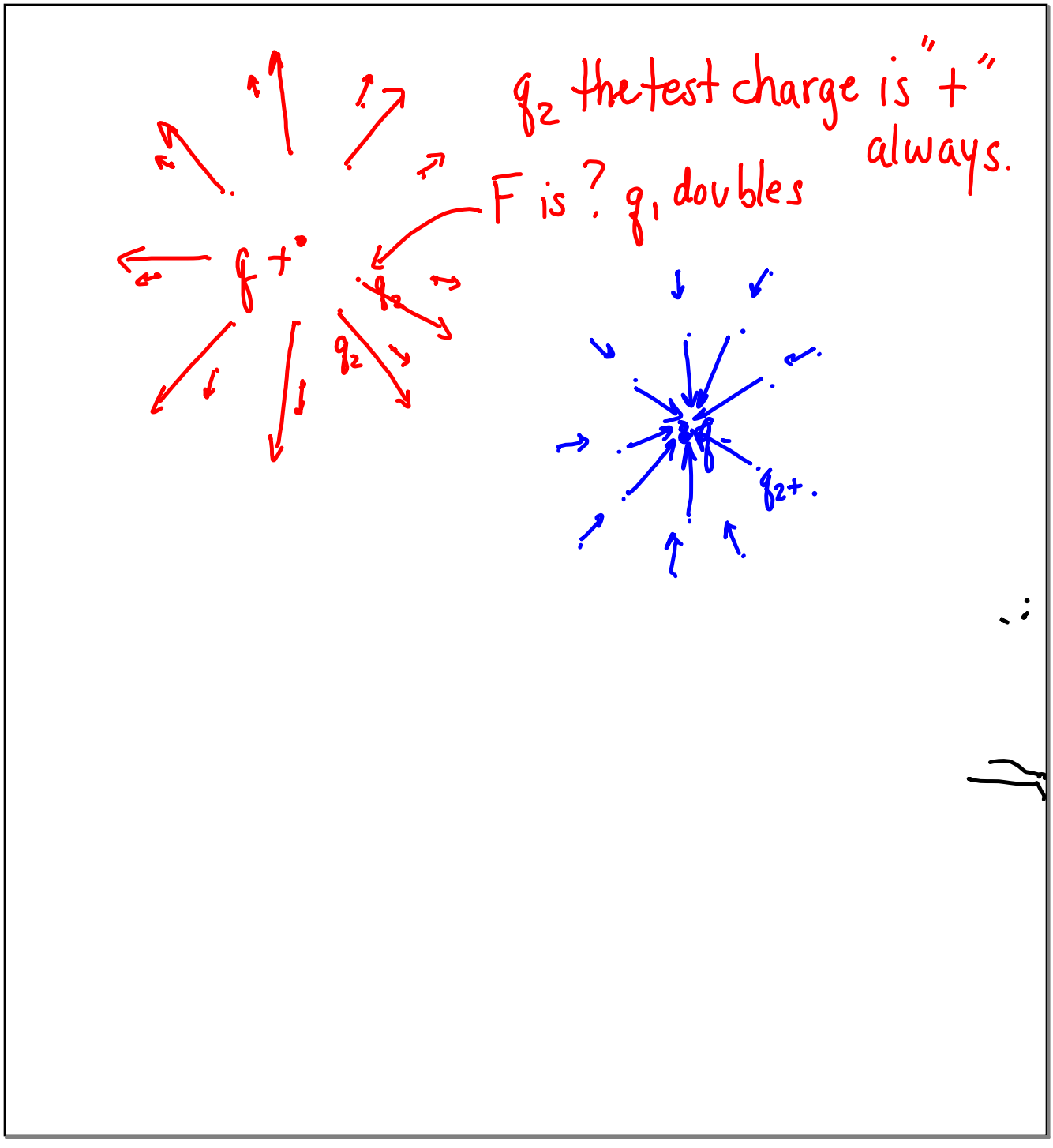
etc.

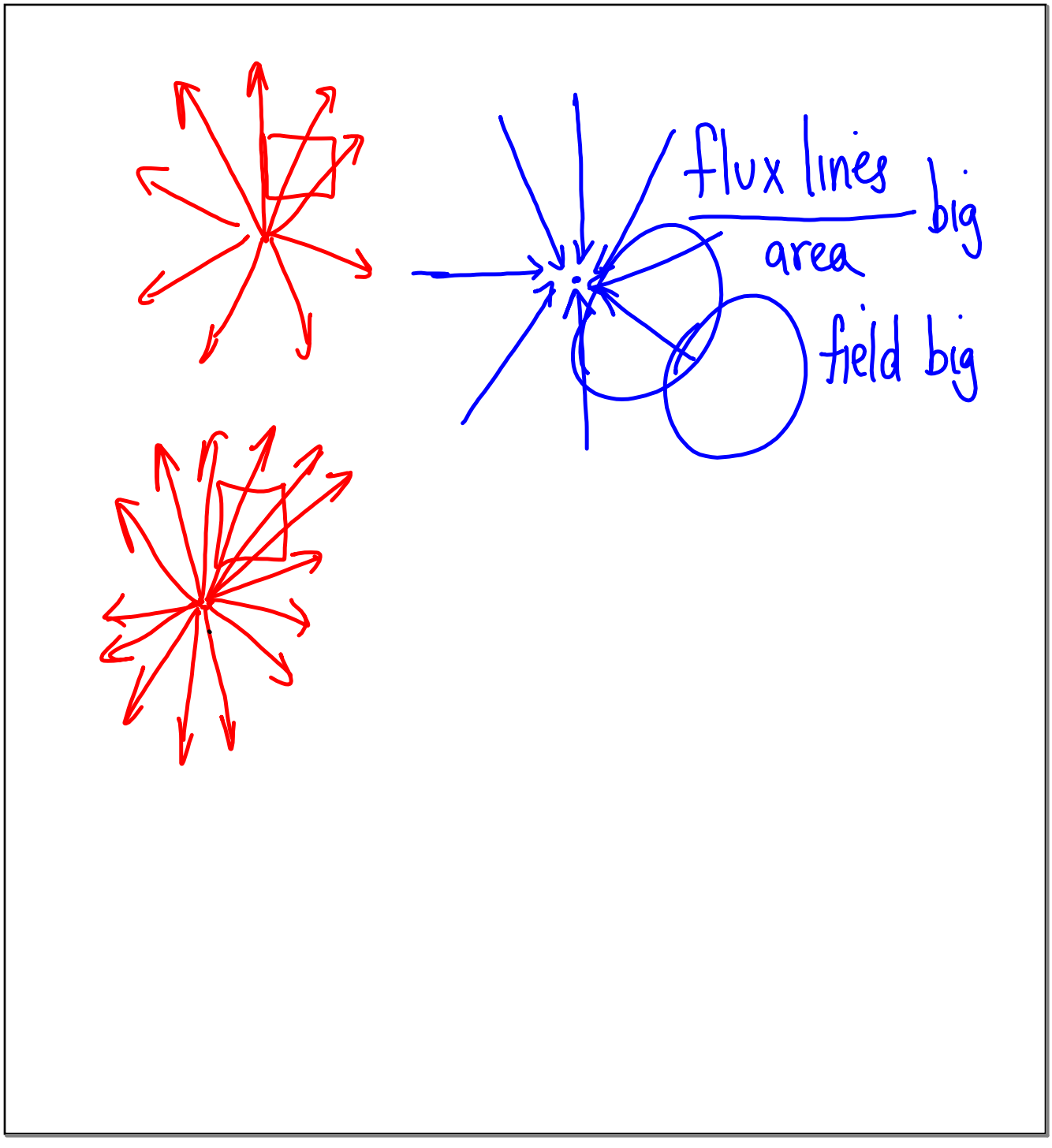
Now



Make sense of these.

Consensus: bulb brightness tells me about flow of elec
- 2 endedness of bats + bulbs
- Need circular path
  - connecting 1 end of bulb to 1 end of bat,
  - other end of bulb to other end of bat
- Observed: Relative brightness of bulbs in lots of circuits (up to 4 bulbs + 3 bats


q_2 the test charge is "+" always.
F is ? q_1 doubles
q+
q_2
q_2
q_2+


flux lines
area
big
field big

$$\frac{F_e}{q_2} = \frac{\frac{k_e q_1 q_2}{d^2}}{q_2} = \frac{k q_1}{d^2}$$

$$\frac{\cancel{q_2} F_e}{\cancel{q_2}}$$

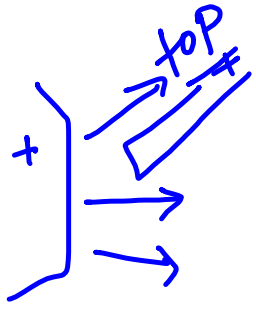
$$E = \frac{F_e}{q_2} \leftarrow \text{positive 1 coul}$$

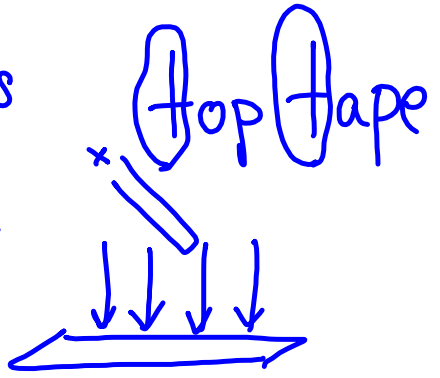
units $\frac{N}{C}$

$$g = \frac{N}{kg}$$

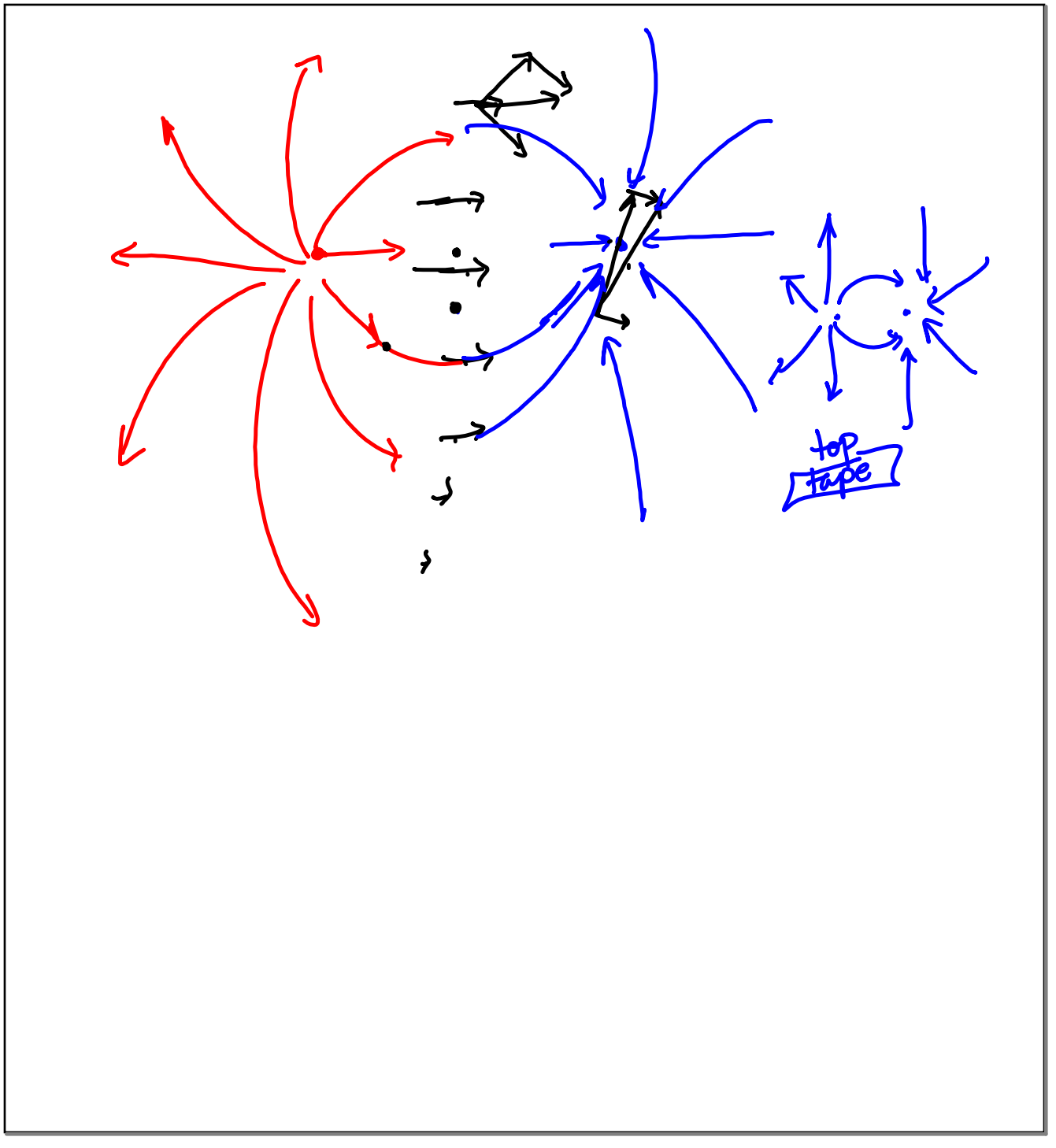
$F_g = mg$ g is g.f. s

$F_e = qE$

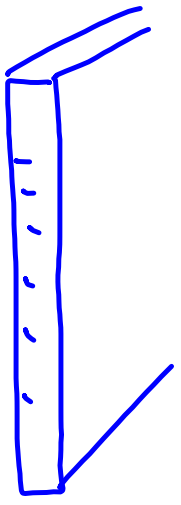


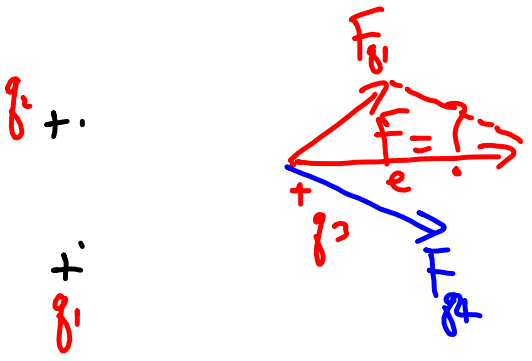


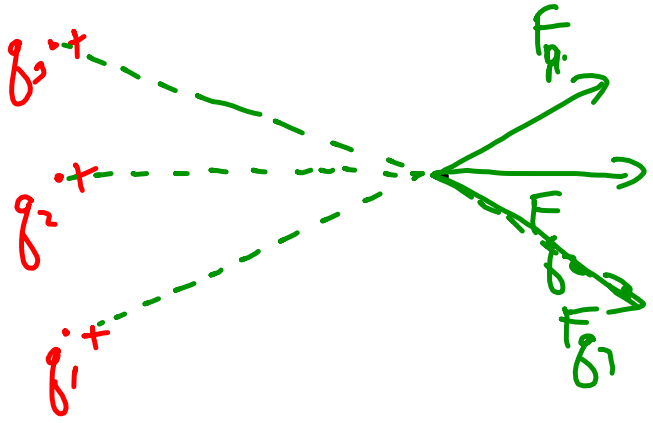
November 10, 2014

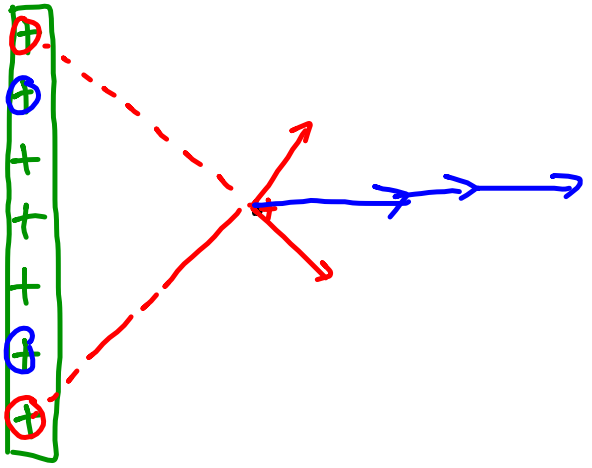


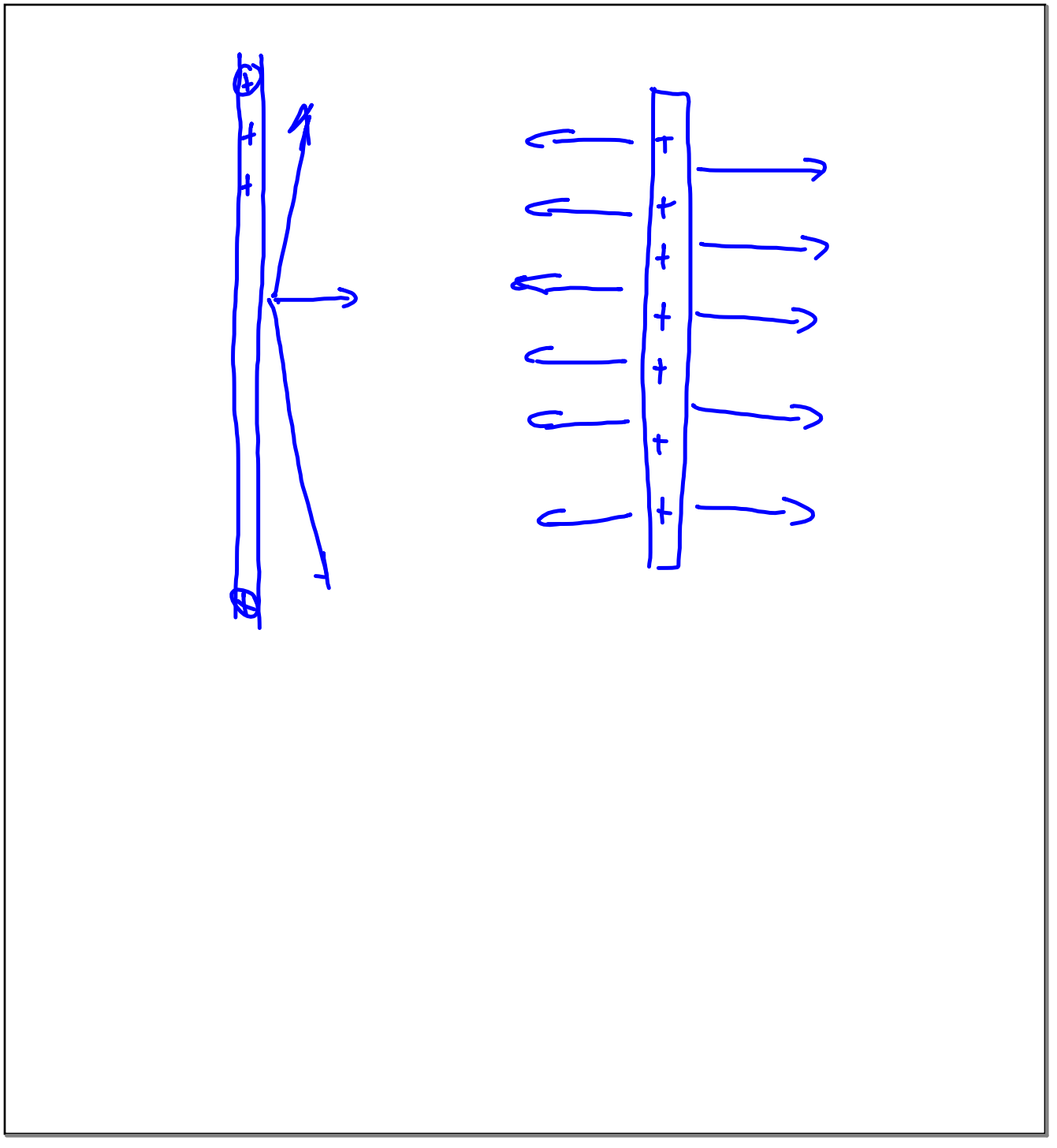
$K_e = 9 * 10^{+9} \frac{N \cdot m^2}{C^2}$

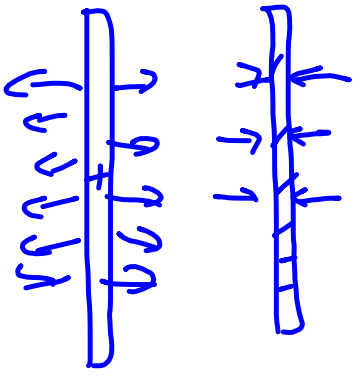


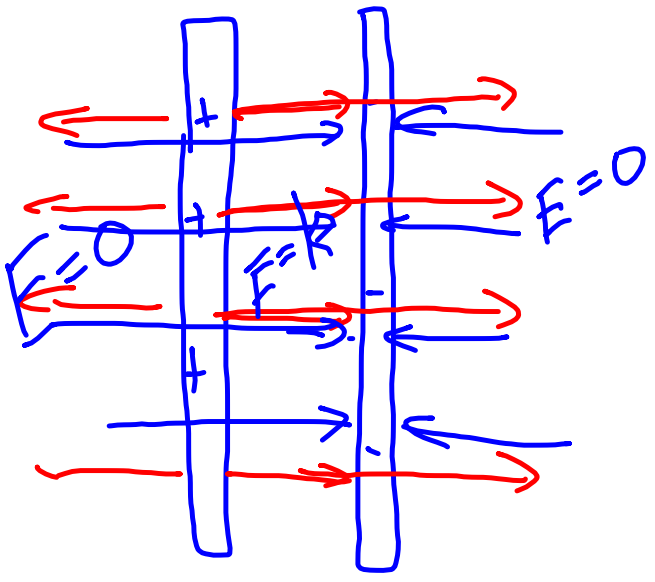

q_2
q_1
F_{q_1}
F_{net}
e
q_3
F_{q_2}

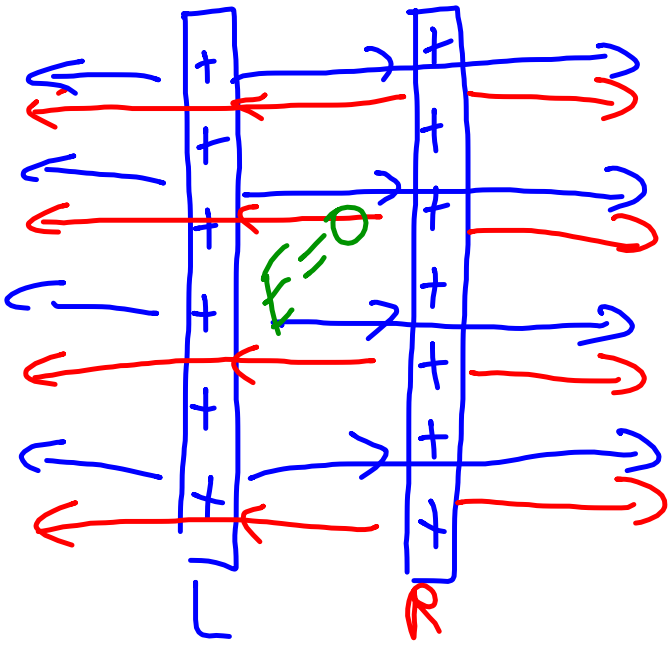

q_3
q_2
q_1
F_{q_3}
F
F_{q_1}








+
+
+
-
-
E=0
E=0
E=R



29 & 28

~~4~~

21 - 22

odd

even

22 only

a) - d)