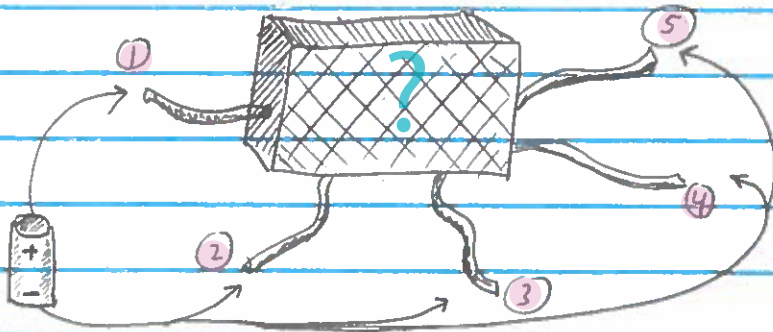


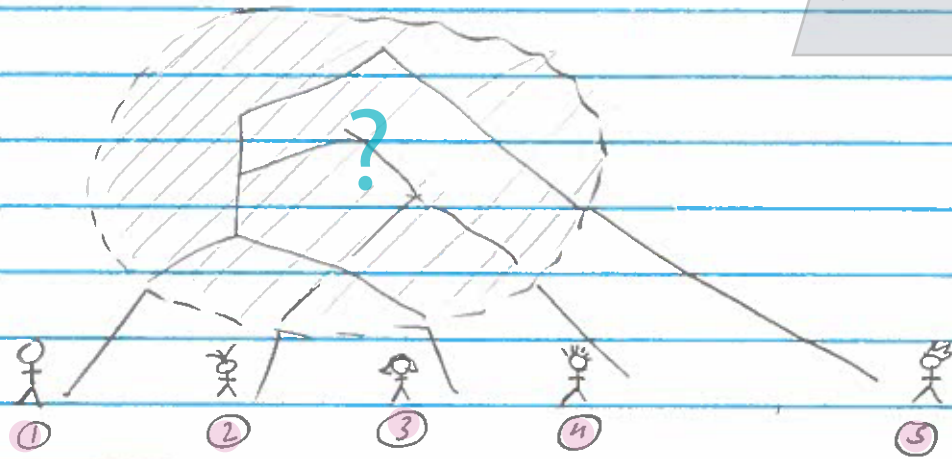
A problem to solve:



The wires are connected inside the box. We can test the resistance of each pair, or the conductance by putting a battery (1V) with \oplus on one terminal, \ominus on the others.

How are the wires connected?

Find the electrical network



The members of a family reunion each send a DNA sample to 23+me. We can measure the genetic distance of each pair,

How are they related?

Find the phylogenetic network.