Economy of Scale

Phileas Fogg

HARD F1

Present the hazard & password to this and Mario's puzzle at checkpoint 1 for its first two puzzles.
Present the hazard & password to this and Gulliver's puzzle at checkpoint 2 for its first two puzzles.
Present the hazard & password to this and Huck Finn's puzzle at checkpoint 3 for its first two puzzles.

Help Phileas Fogg get things balanced for his balloon trip. On each set of balances, place the given balloons and weights in the open circles. Each beam should be balanced around its fulcrum (the small square) by the torque rule: sum of weight times distance from fulcrum for all weights on the left should equal that on the right. The beams themselves are weightless. The fulcrum with an X is the fixed anchor point for the system. The sum of the weights in the lowest row of each puzzle is positive. See example.

Example:
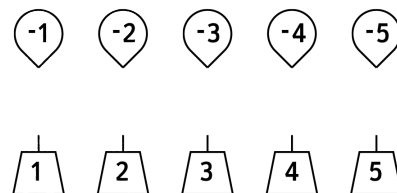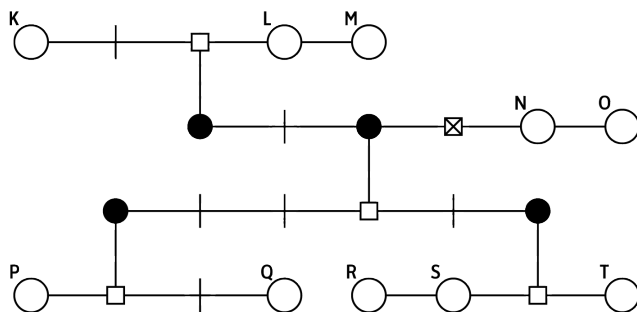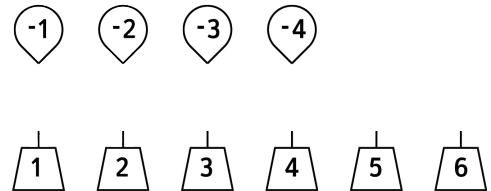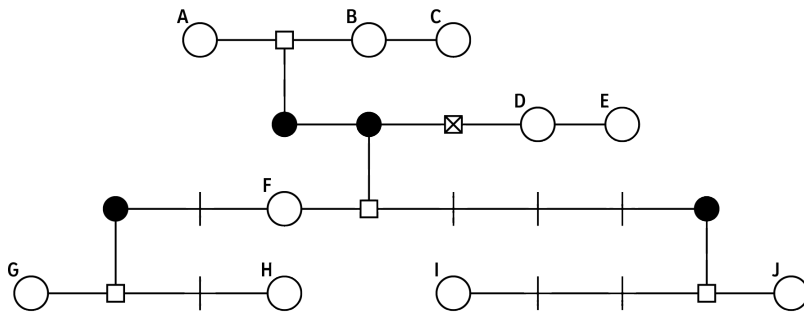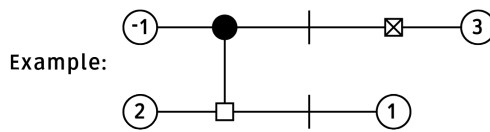
B+S	I+P	E-L	SxT	GxP-N	JxP	K-I	R-K	DxQ-O	N-G	CxN	B+I	AxT	DxK	NxF+H

CxL+M	T-G	BxP	P-T	O-A	KxL	KxN	ExM	C-P-T	AxK-N	B-D

BAPHL 5 – Balloon, Autogyro, Pirogue, Hoof, and Limousine