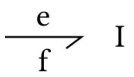
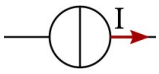
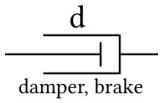
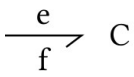
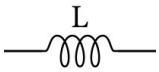
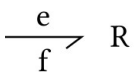
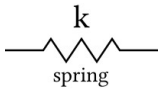
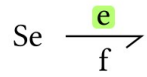
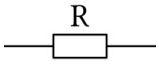
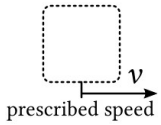
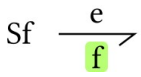
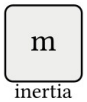
Associating bond graph junctions with series/parallel structures

This exercise should show you the associations which exists between:

- 0/1 junctions in bond graph
- series/parallel structures in electrical circuits or mechanical systems

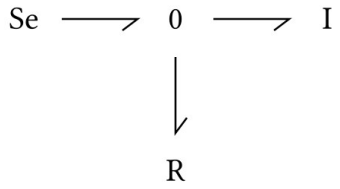
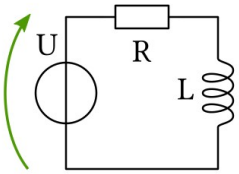
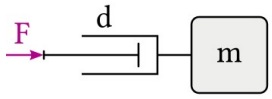
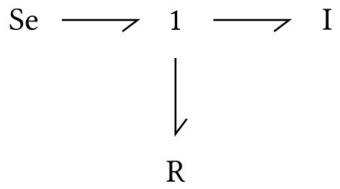
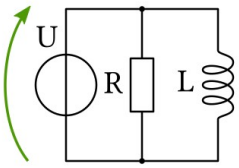
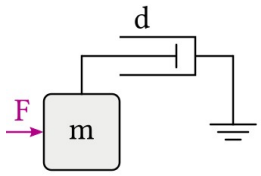
Reminder: BG elements in electrical and mechanical domains

Associate each bond graph element with its corresponding electrical and mechanical device.

Bond graph	Electricity	Mechanics (translation)
1 	— 	— 
2 	— 	— 
3 	— 	— 
4 	— 	— 
5 	— 	— 

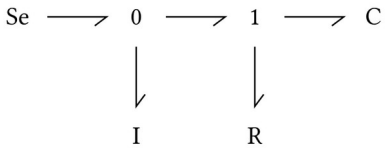
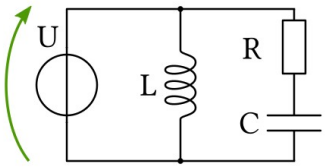
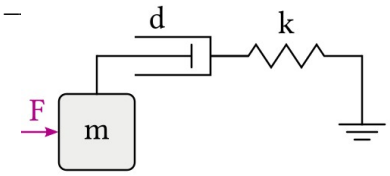
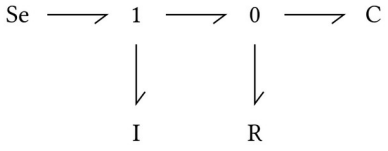
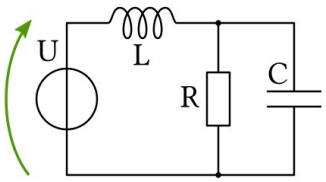
Association 1: a single 0/1 junction with series/parallel structure

Associate each bond graph with its corresponding series/parallel electrical circuit or mechanical system.

Bond graph	Electricity	Mechanics (translation)
1 	— 	— 
2 	— 	— 

Association 2: combined 0/1 junc. with series/parallel structures

Associate each bond graph with its corresponding electrical circuit or mechanical system.

Bond graph	Electricity	Mechanics (translation)
1 	– 	– 
2 	– 	–