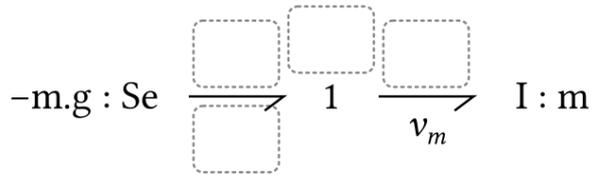


Classical Bond graph structures

On the following bond graphs, please:

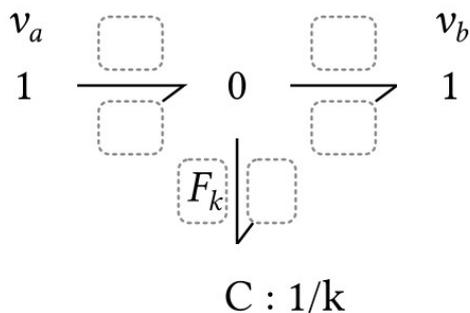
- fill the blanks with variable names or combinations of these
- draw a simple schematic of the physical system being model

M1: 1 junctions represent “velocity points”



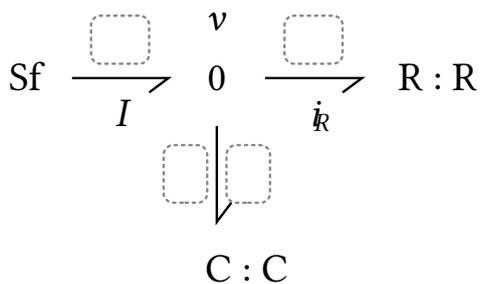
Also: Derive the overall mechanical equation of the system

M2: Springs and dampers typically on 0 junctions

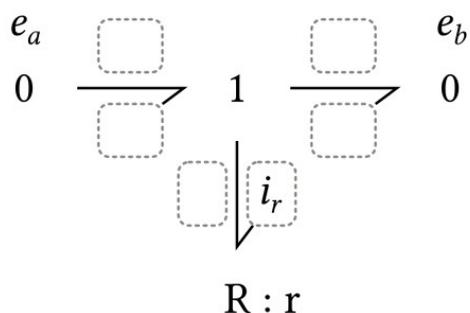


Also: give the expression of F_k

E1: 0 junctions represent voltage nodes



E2: 1 junction for voltage drop on a RLC component



Also: compute i_r