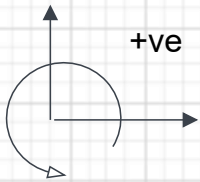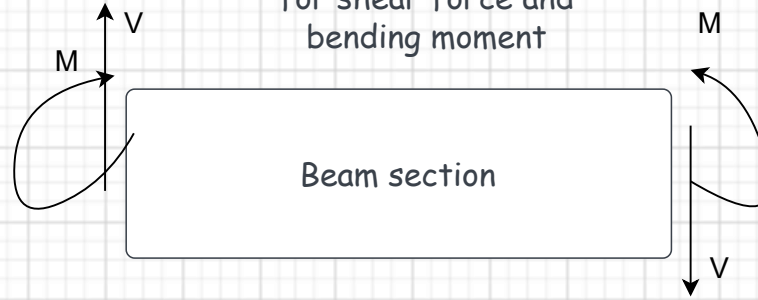# Guidelines for using the code

The following 4 load scenarios and any combination of these on simply supported beams are solved by the code
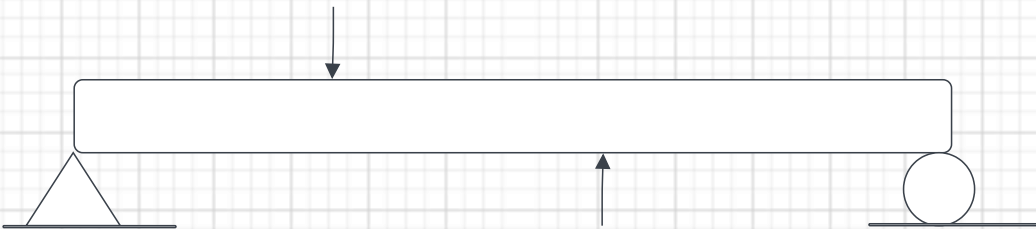
Positive convention
for applied forces and
applied moments

+ve

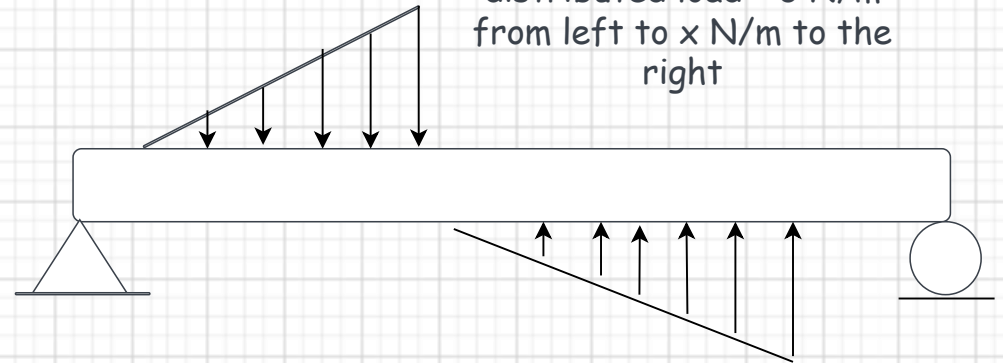Positive convention
for shear force and
bending moment

M   V

M

Beam section

V

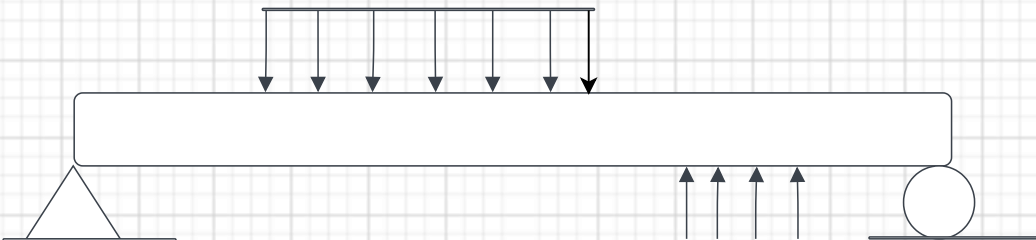**#1** Beam under Concentrated
forces

#2 Beam under linearly
distributed load - 0 N/m
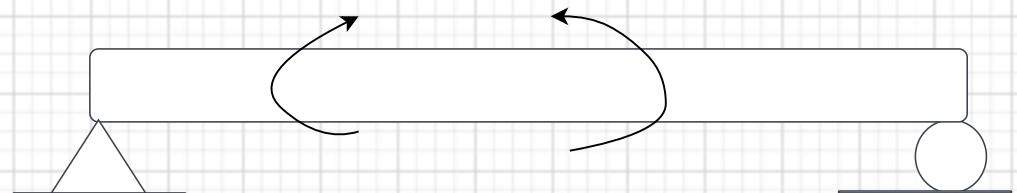from left to x N/m to the
right

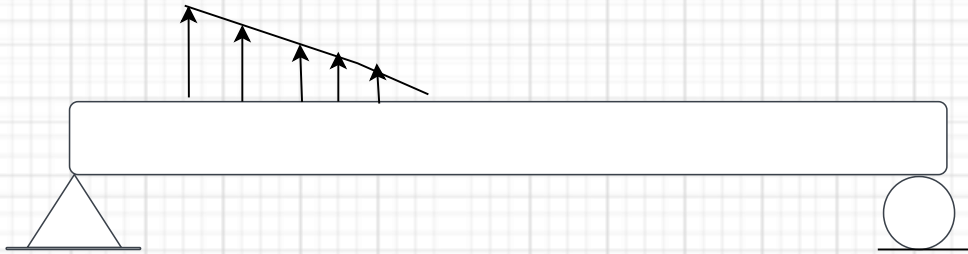**#3** Beam under constant load,
$q(x) = qo$

#4 Beam under couples -
clockwise and counter-
clockwise

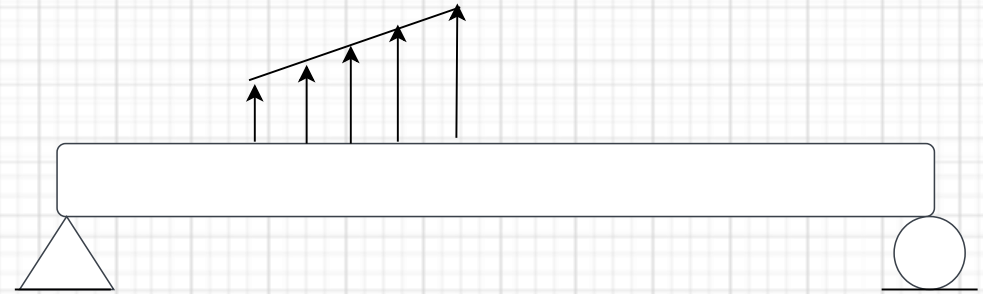# The following 3 load scenarios are not solved by the code

#1 Beam under linearly distributed load - x N/m from the left to 0 N/m to the right
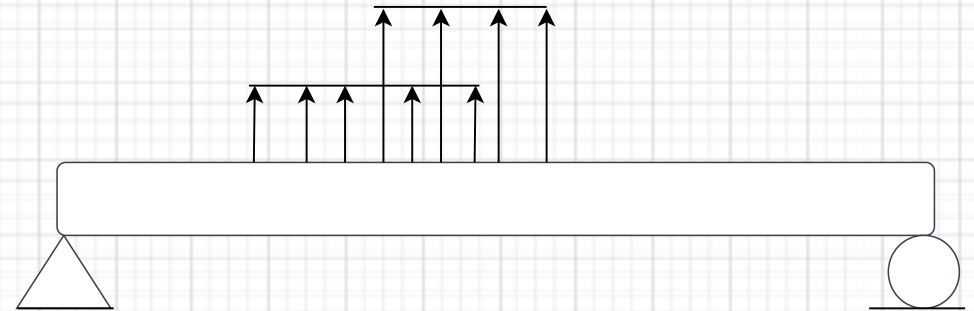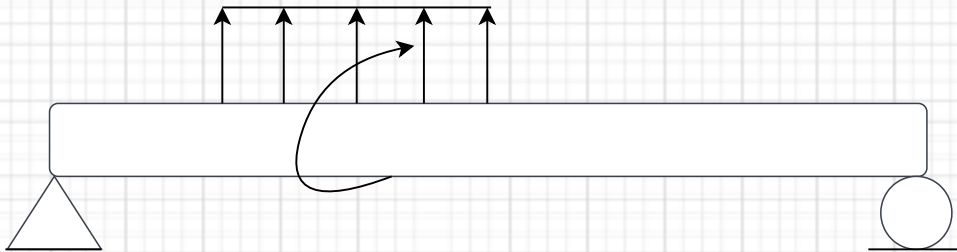
#2 Beam under linearly distributed load - x N/m from the left/right to y N/m to the right/left

#3 Overlapping of any 2 different or same load types

Note: The code does work when 2 different load types are butting each other