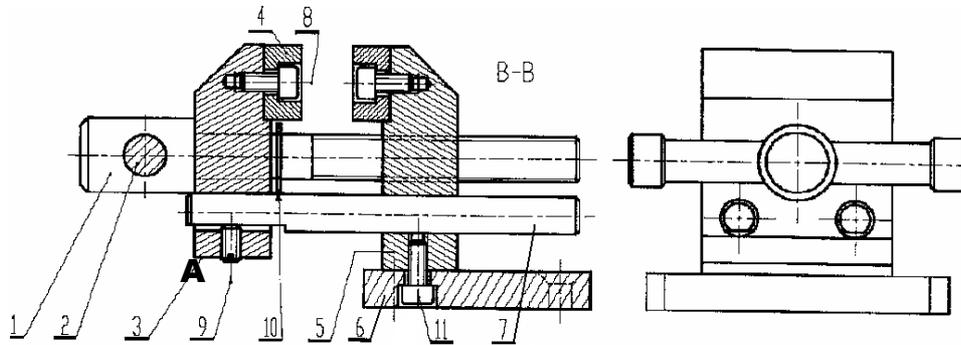


TD N° 1

Exercise 1:

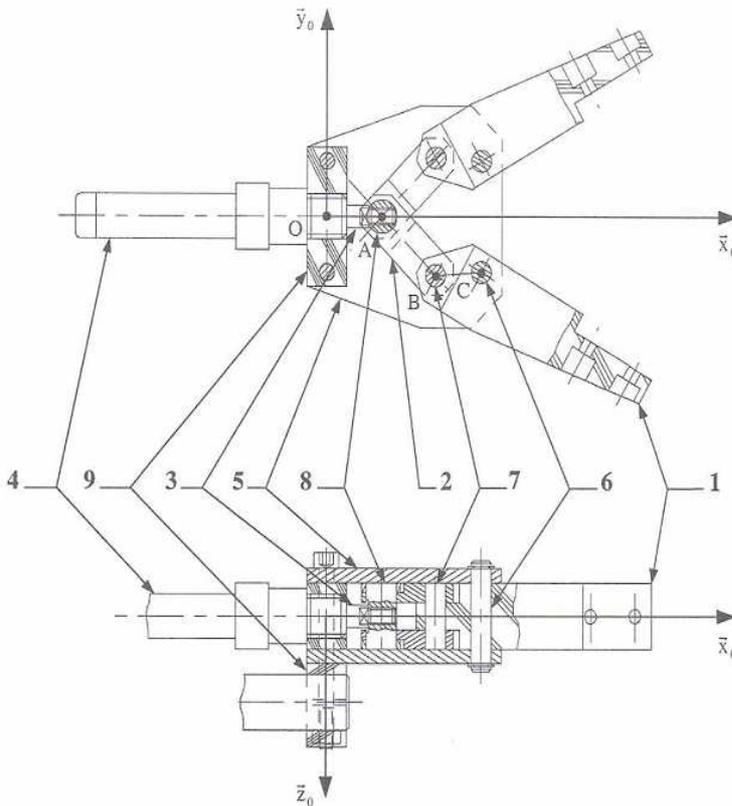
We consider the modeler's vice below.



1. Establish the minimum kinematic diagram
2. Give the characteristics of the link **A** between element 3 and element 7
3. Identify element 9, What are the reasons or constraints for opting for the solution using this element?

Exercise 2:

A robot gripper represented by the overall drawing below is considered to establish its minimum kinematic diagram.

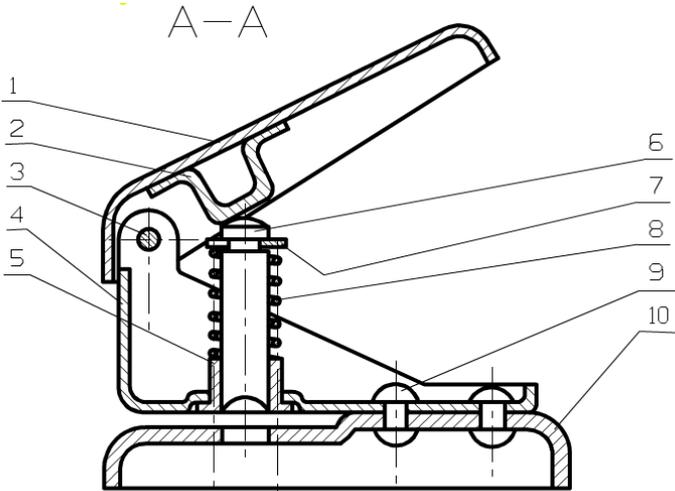


Numéro	Désignation
1	Mors
2	Bielle
3	Tige du vérin
4	Cors du vérin
5	Plaque support
6	Axe de pivot mors/plaque support
7	Axe de pivot mors/bielle
8	Axe de pivot tige/bielle
9	Bloc support du vérin

Exercise 3:

Same question for the systems below

a)



b)

