

# User study: model 2

Allotted time: 10min\*\*

## Task 1:

Please add constraints and parametric behavior to the model to ensure the model behaves as specified when the variable dimension(s) take any valid value between the specified bounds

Variable dimension(s):

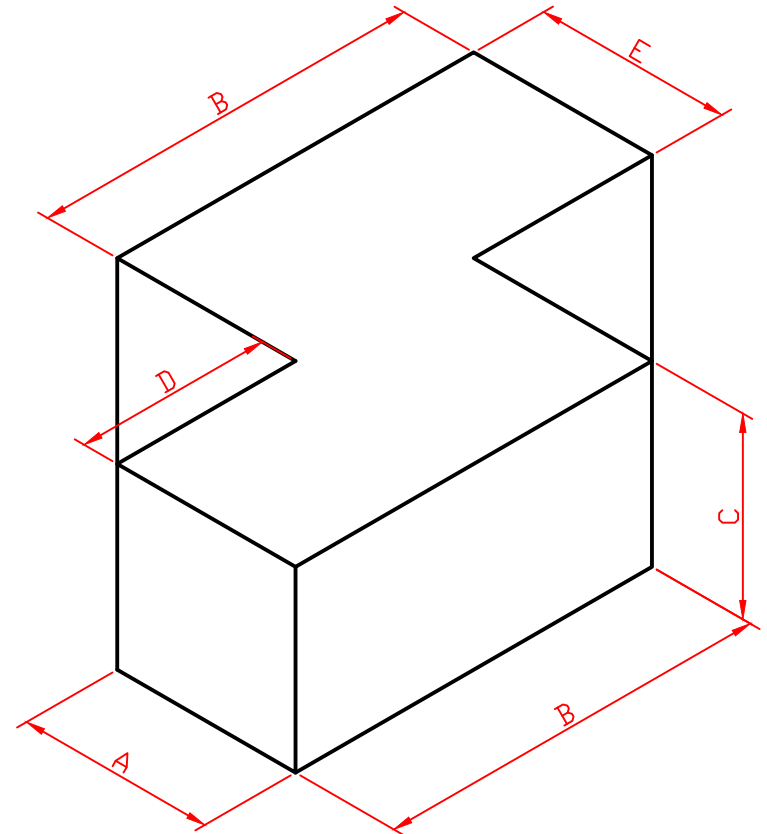
1. A is a value that can change between 10mm and 50mm\*

Specifications:

1.  $B = 2A$
2.  $C = A$
3.  $D = A$
4.  $E = A$
5. All edges that are horizontal should remain horizontal at any value of A
6. All edges that are vertical should remain vertical at any valid value of A
7. All angles should remain the same at any value of A

## Task 2:

Please ensure the resulting model (i.e. all the sketches) are fully defined.



Although it is not necessary to delete constraints and/or dimensions that are currently present in the model, you are allowed to do so if desired.

\*You **do not** have to enforce these limits on the design, but you have to ensure the model behaves as specified within these bounds

\*\* You are given 10 minutes to complete this task. If the allotted time elapses before you finished the task, you will be automatically moved to the next task.