User Study Questionnaires and Per Question Reply Summary for "Slippage-Preserving Reshaping of Human-Made 3D Content"

Contrary to the actual questionnaires where our results are randomly placed on the left (B) or right (C), here we place ours on the right (C) for ease of evaluation.
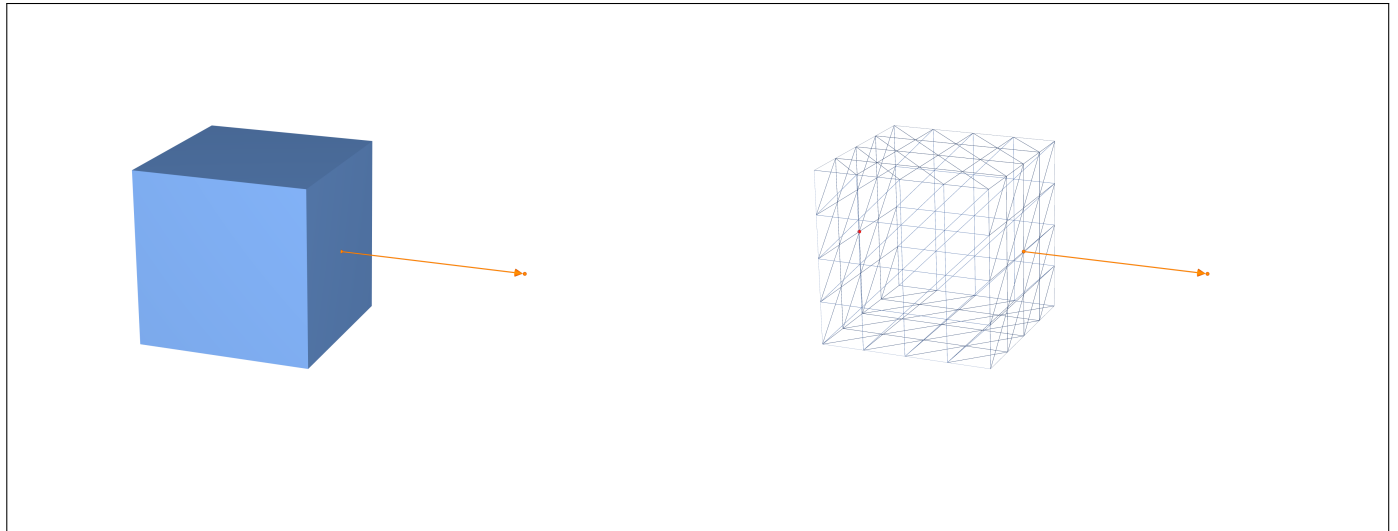
The goal of the study is to assess different algorithms for reshaping 3D models by changing the relative proportions or scales of different model parts or elements while preserving the look and structure of the inputs.

In the examples below you will be shown a triplet of objects, one on the top (A), rendered as a solid and as a wireframe, and two (B, C) on the bottom. The image on the top includes desired resizing/rescaling/proportion changes indicated via handle displacement gestures. The orange points should be moved as suggested by the arrows, while the red points should be held in place. Mentally perform the suggested resizing/rescaling/proportion change so as to best preserve the structure and look of the input object (A).
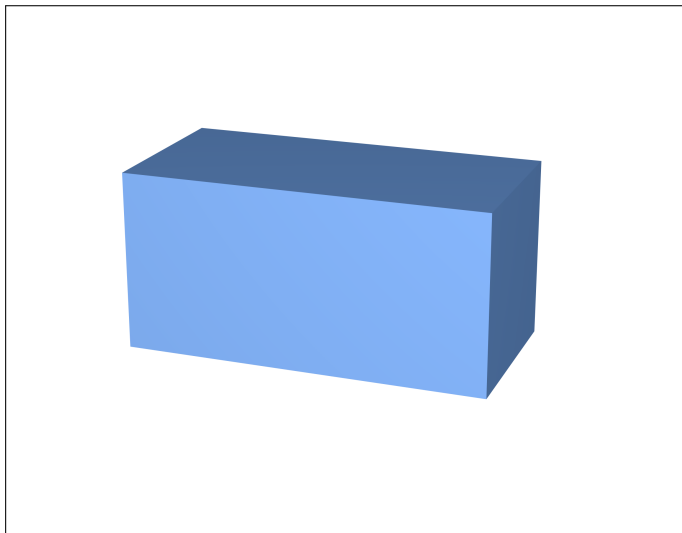
On the bottom you will be shown two images B and C showing edited versions of the input object after resizing/rescaling/proportion changes. You will then be asked to evaluate which of the edited objects on the bottom is closer to the reshaping edit you envisioned. Please zoom in to see the differences.
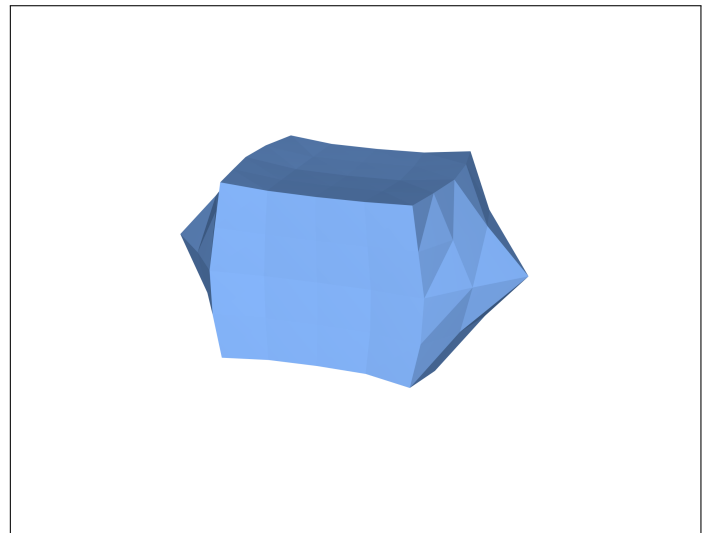
HERE IS AN EXAMPLE QUESTION:
The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
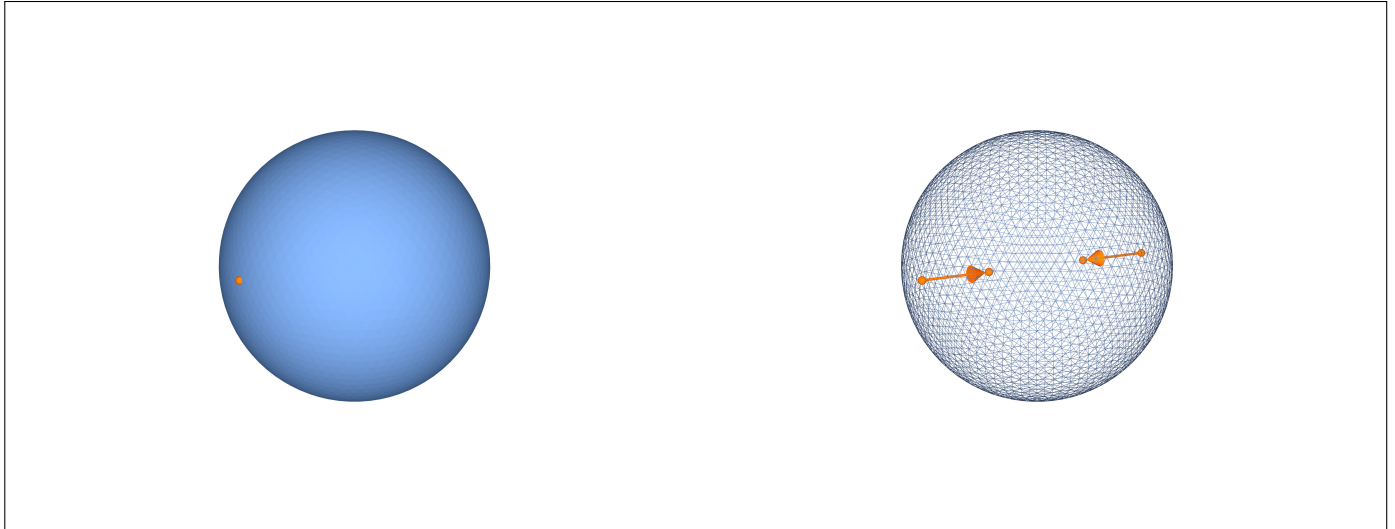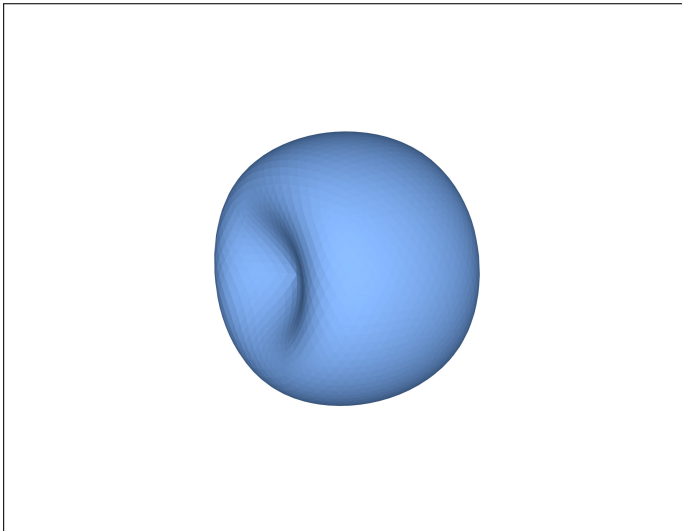

(A)

(B)

(C)

In this case the answer is B (The output in (C) does not preserve the structure and look of the object as well).
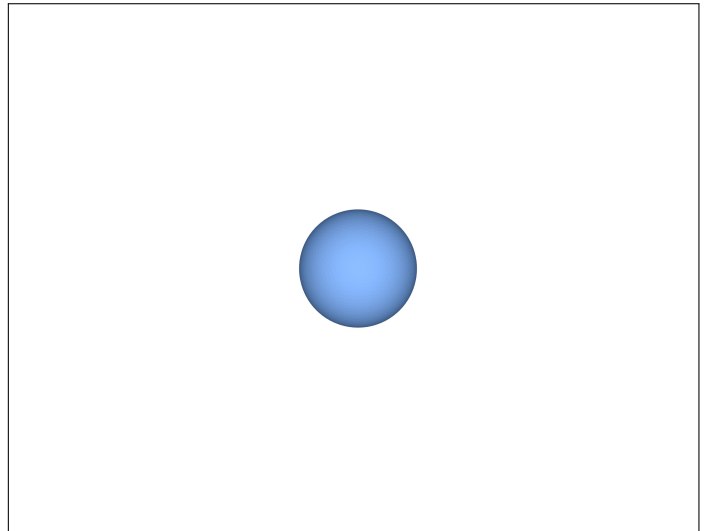
The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
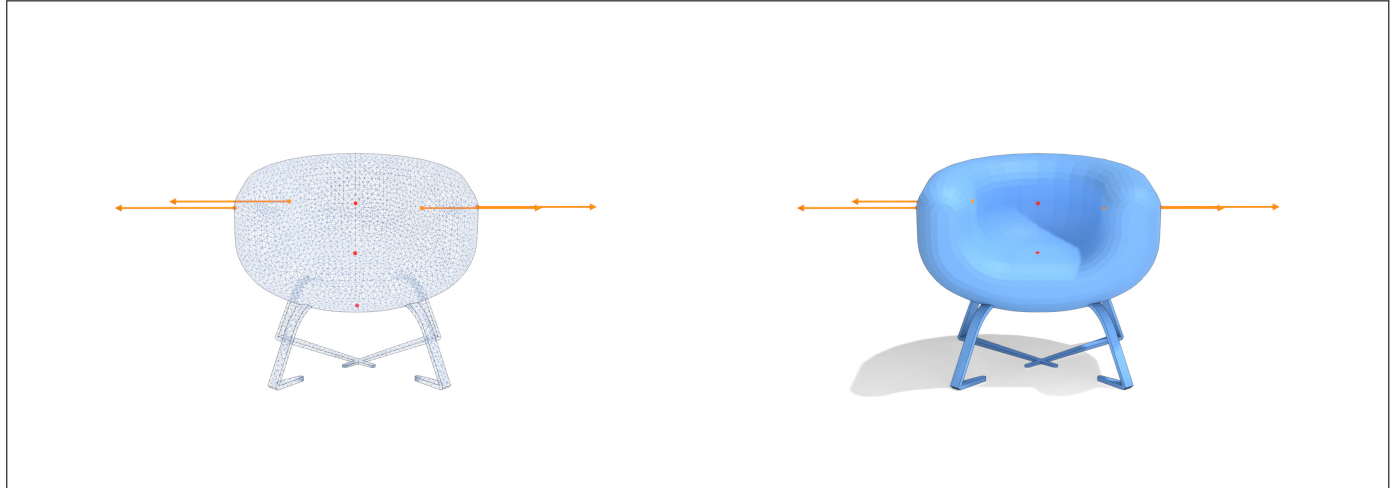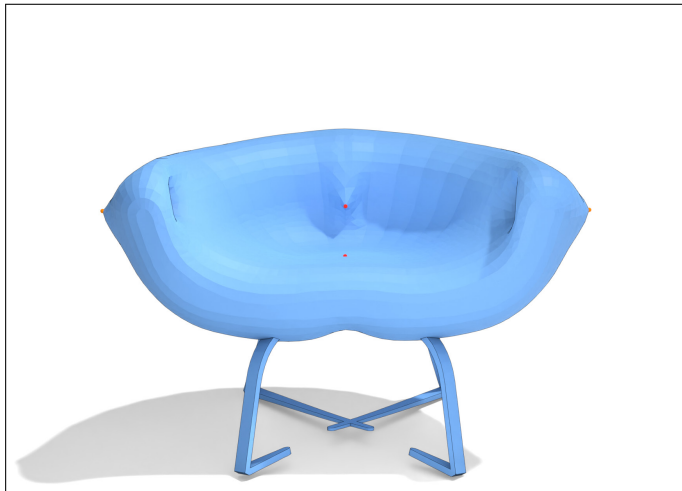

(A)

(B)

(C)

In this case the answer is C (The output in (B) does not preserve the structure and look of the object as well).

5

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
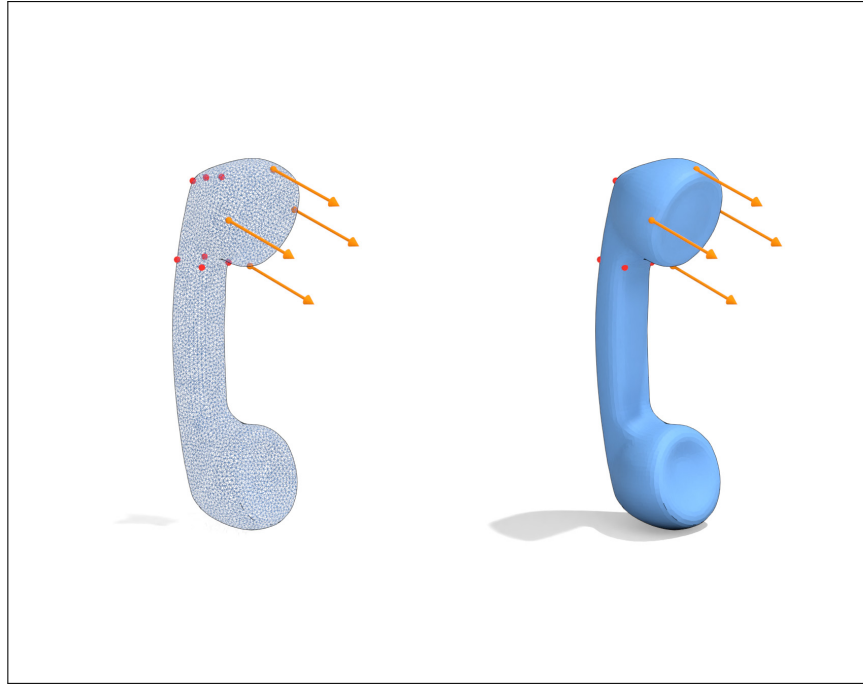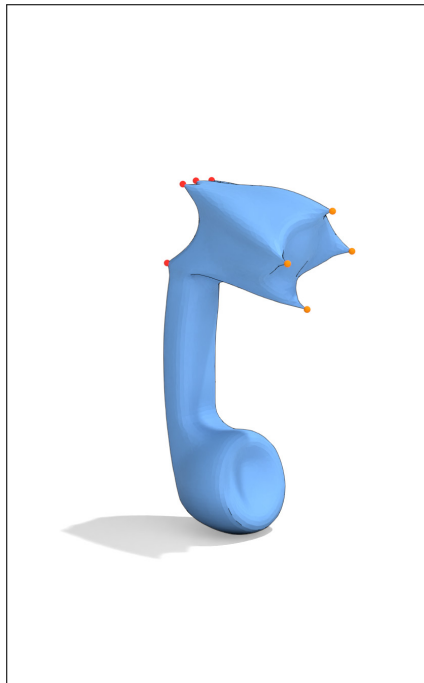

(A)

(B)

(C)

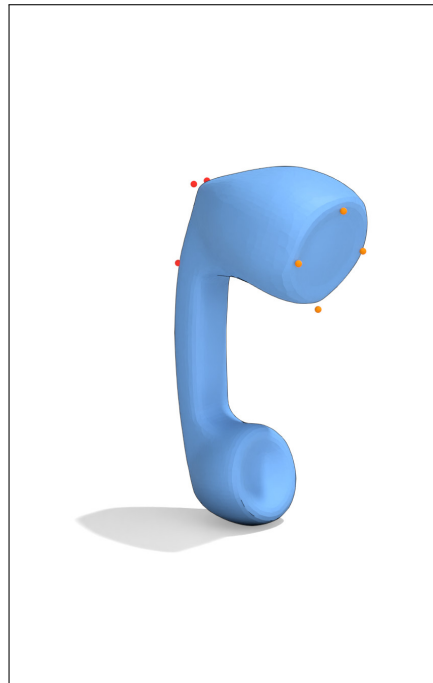○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
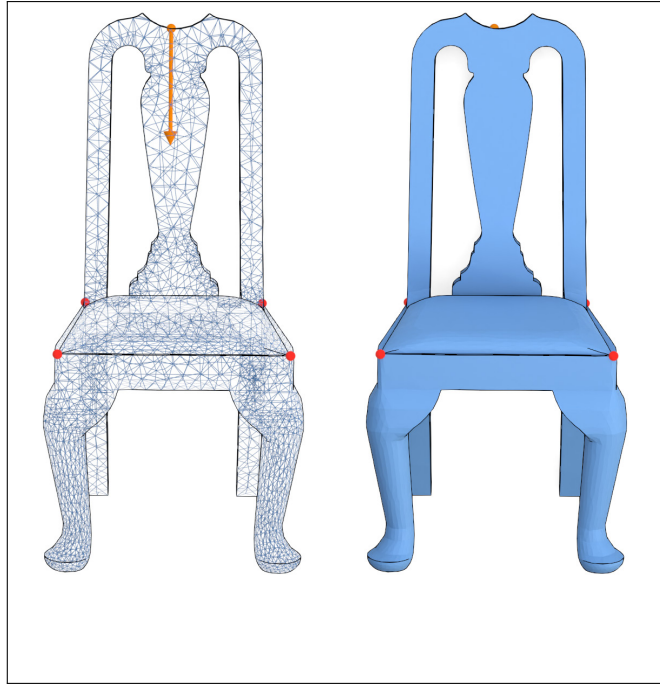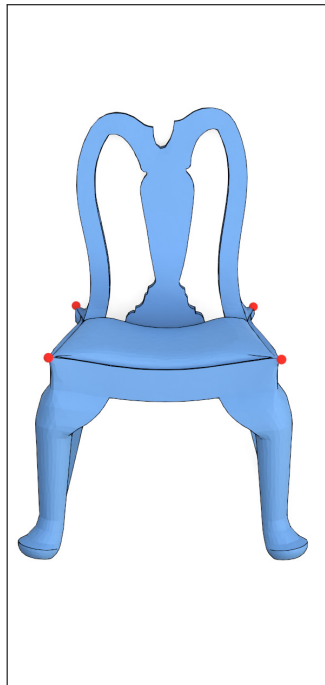

(A)

(B)

(C)

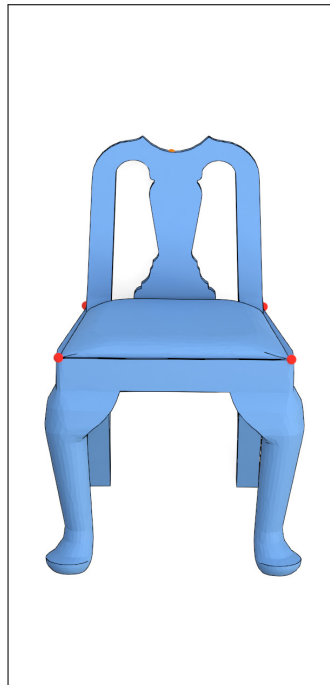◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
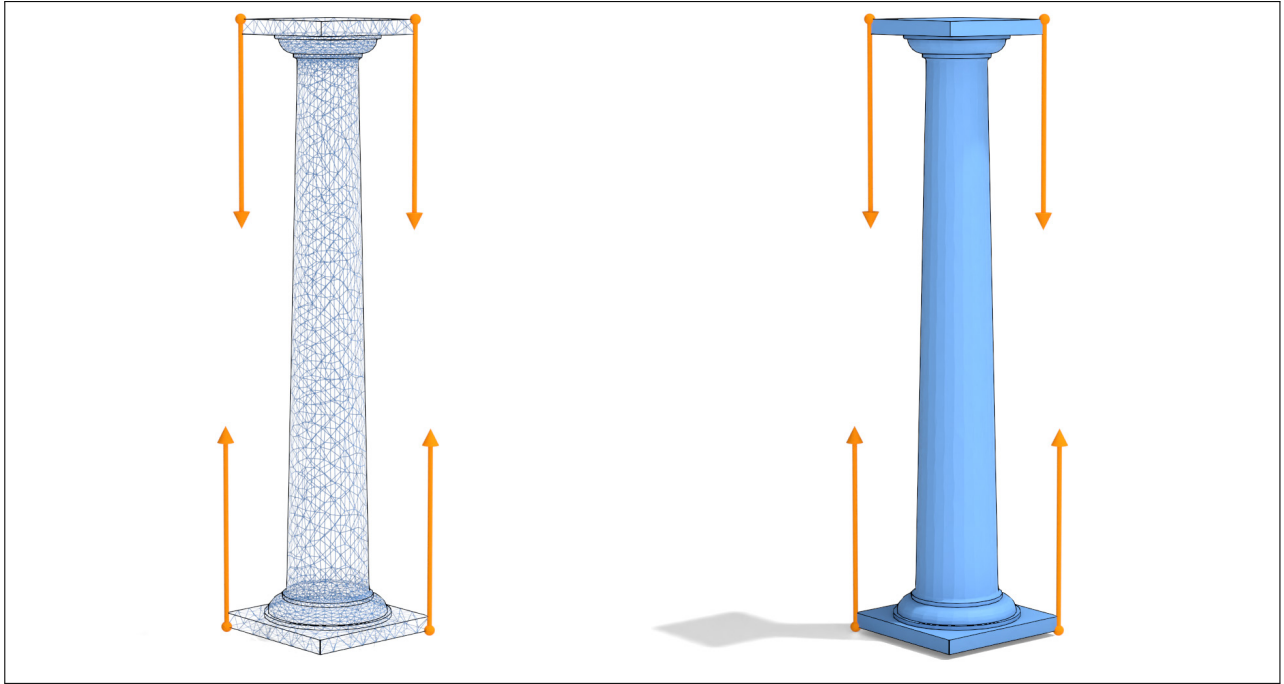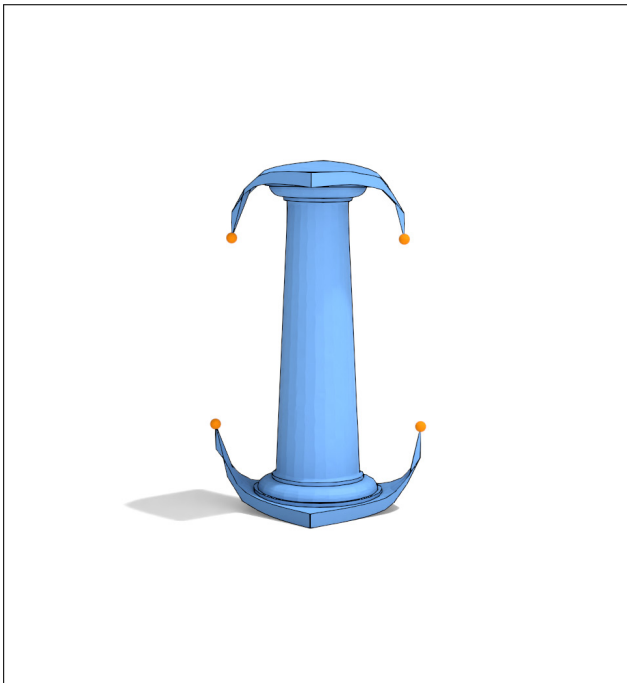

(A)

(B)

(C)

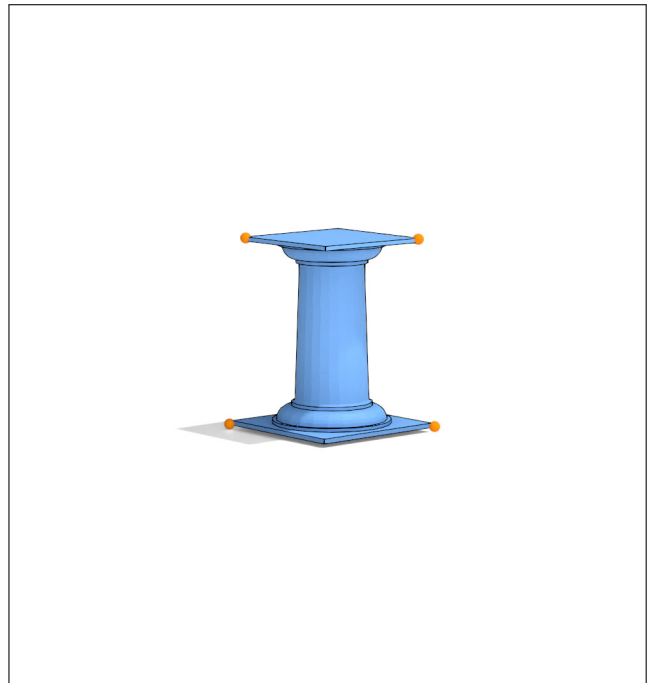○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
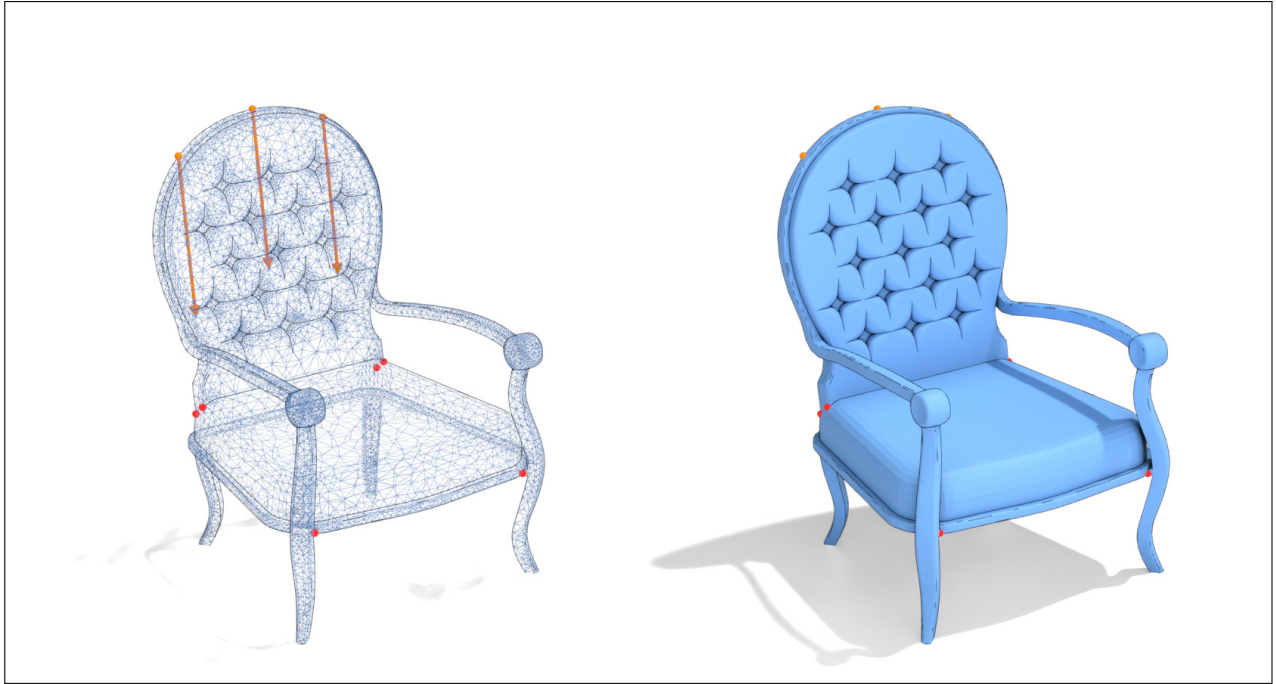

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

Question 5: Ours: 10, Conformal: 0, Both: 0, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
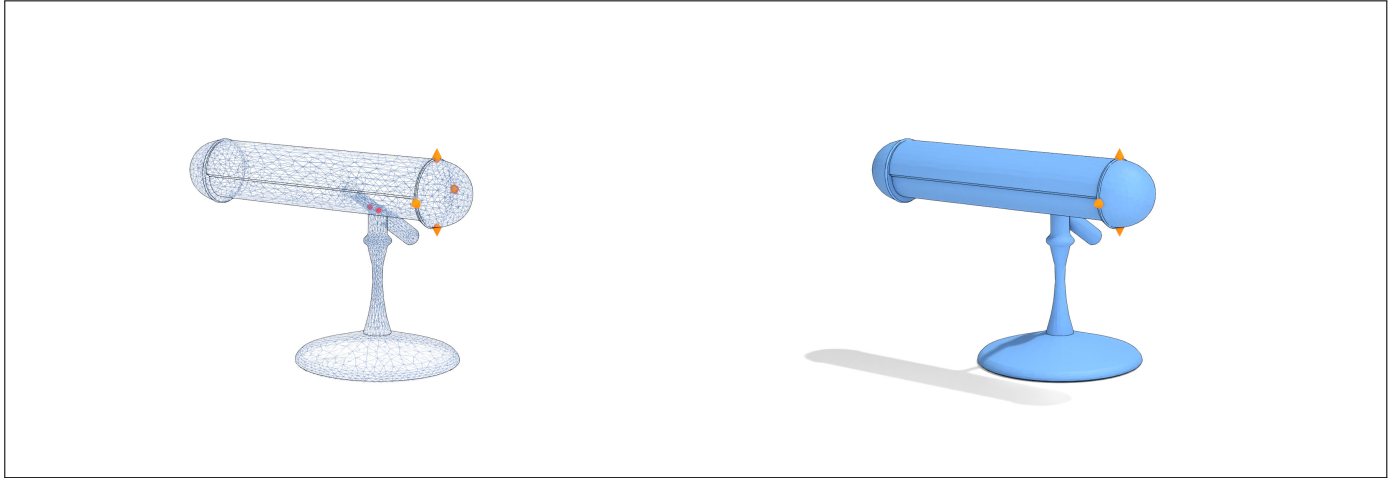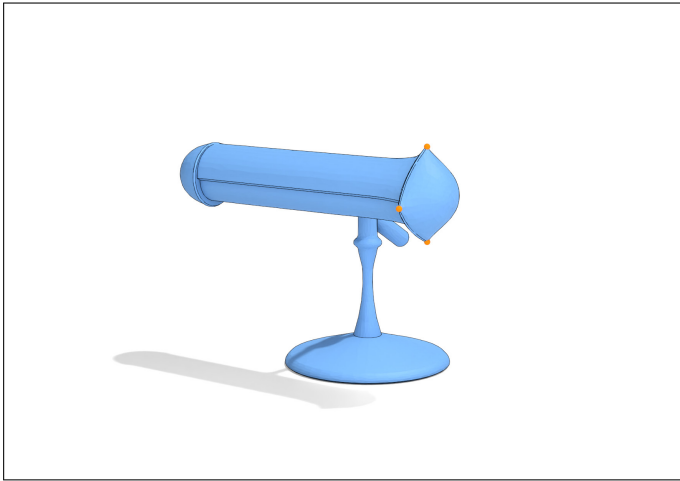

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

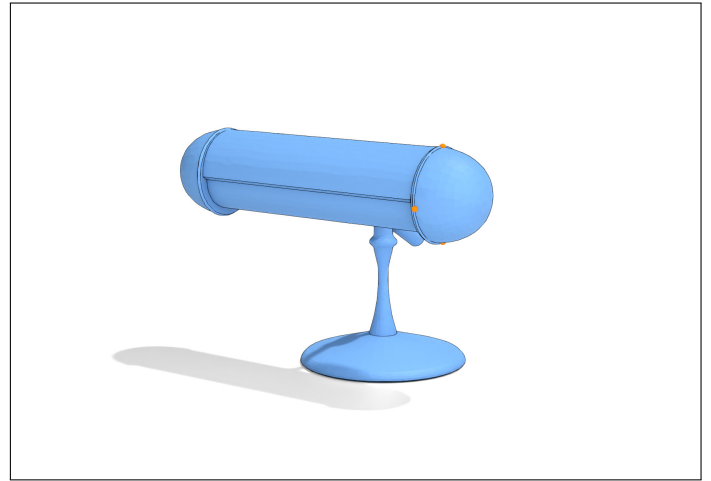# Question 6: Ours: 6, ARAP: 1, Both: 0, Neither: 3

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
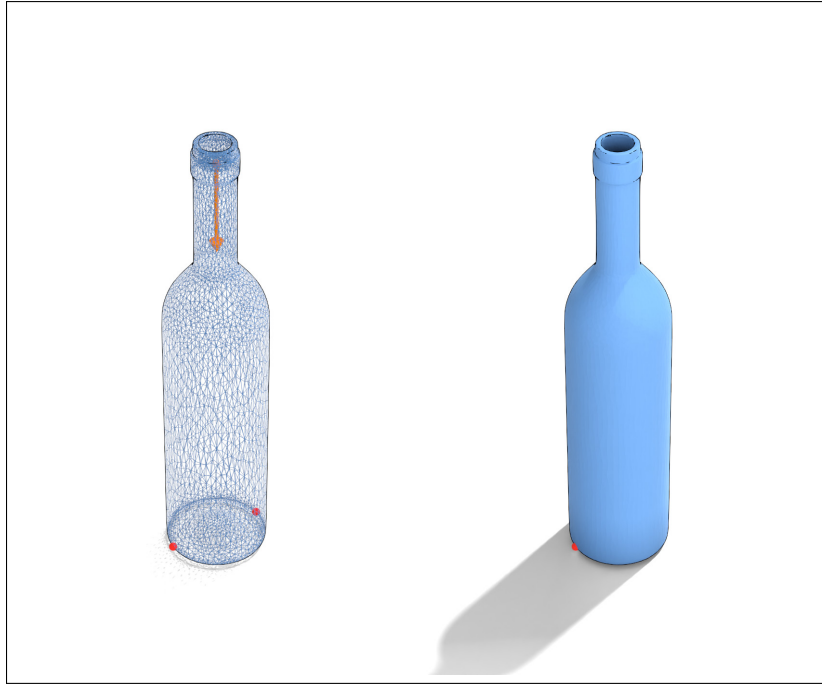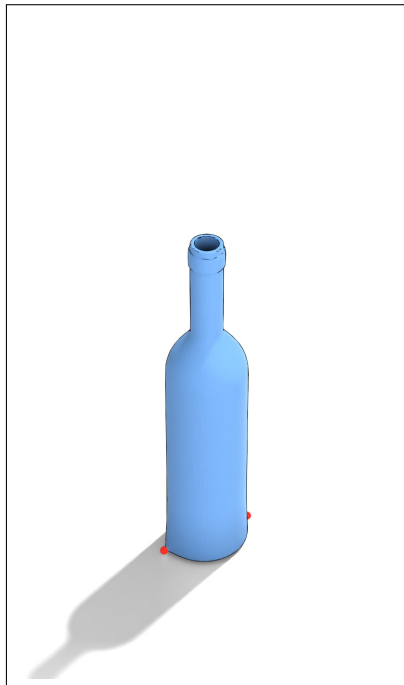

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 7: Ours: 9, Conformal: 0, Both: 1, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
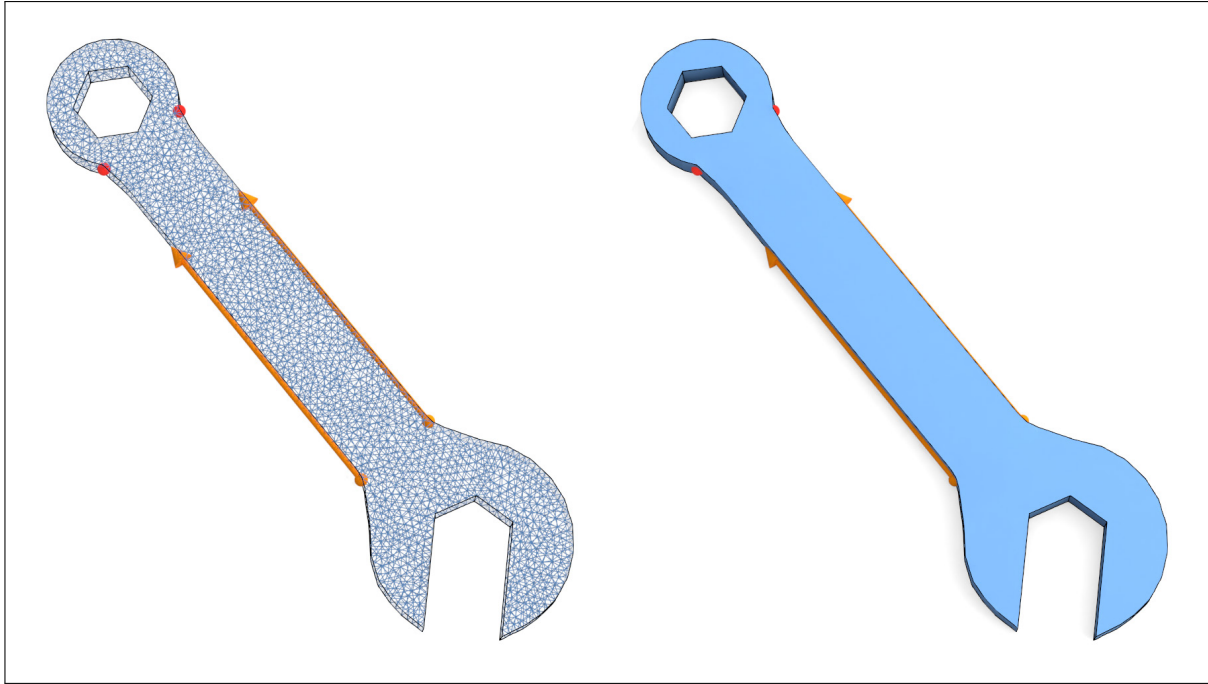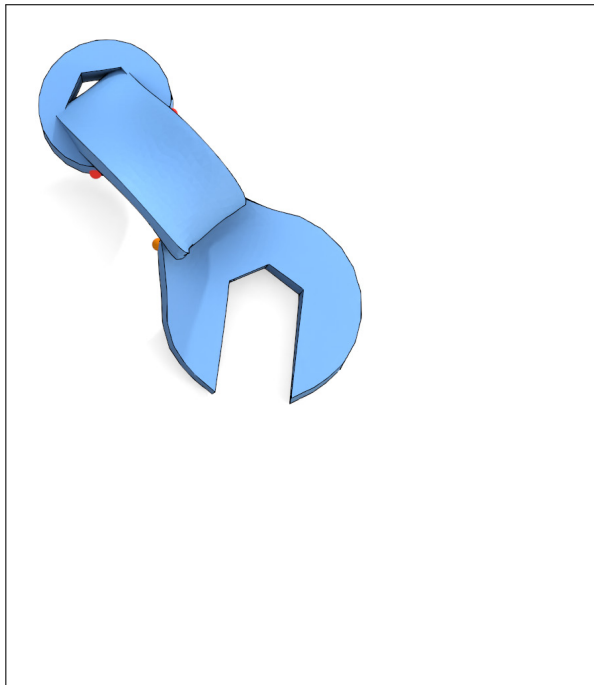

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

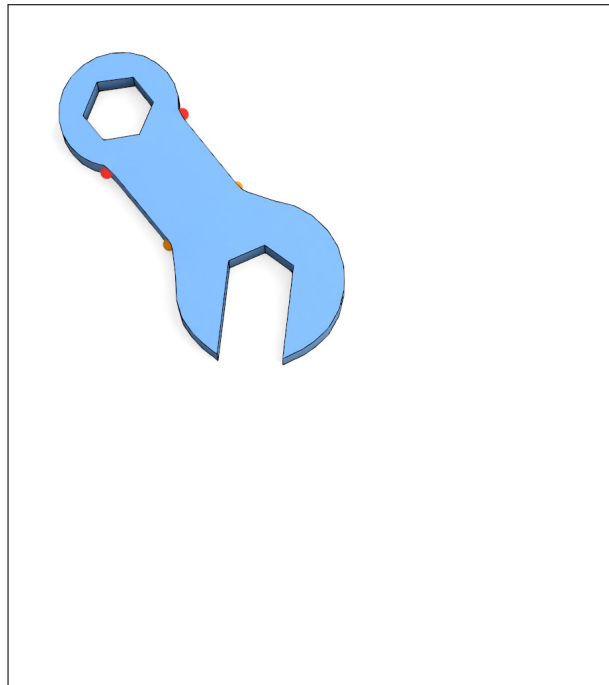# Question 8: Ours: 10, ARAP: 0, Both: 0, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
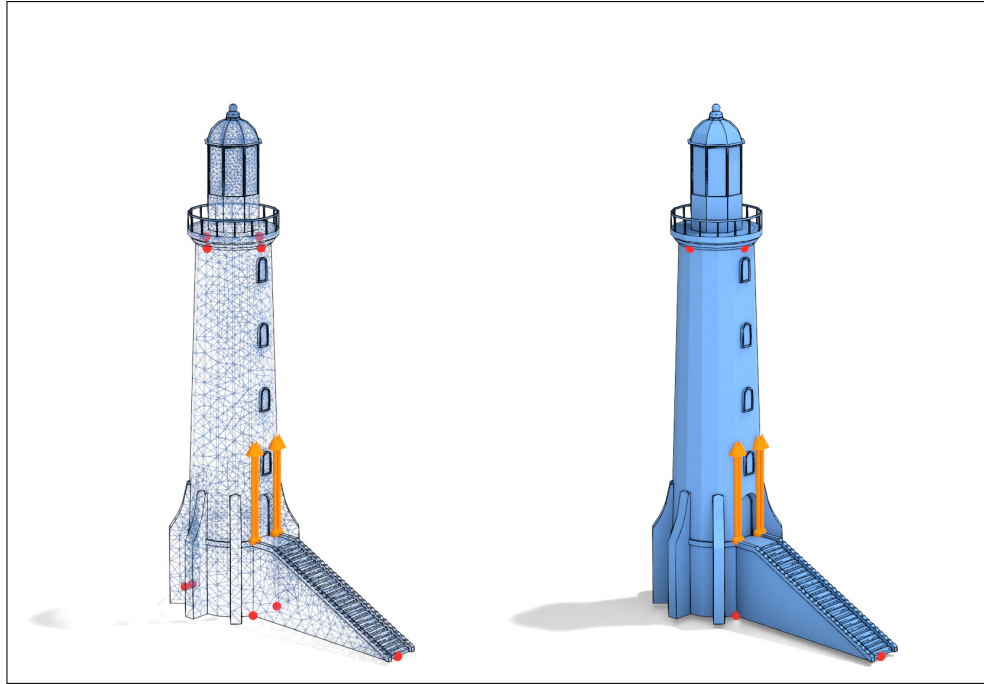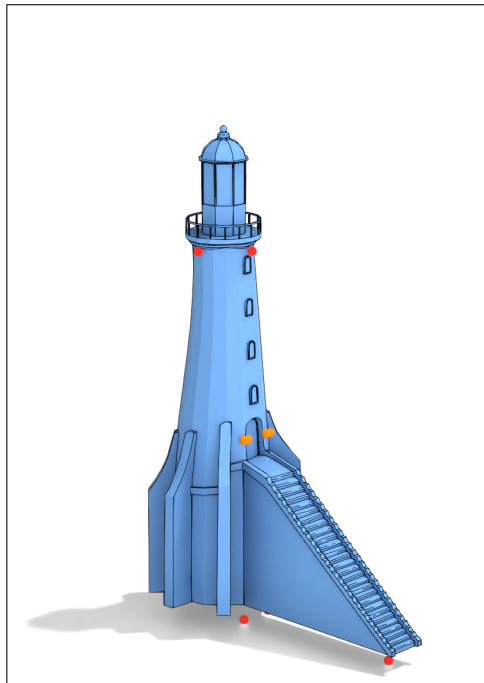

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

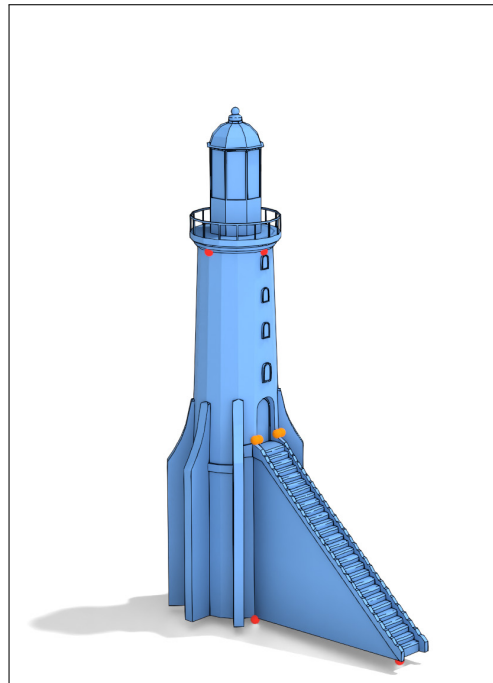**Question 9: Ours: 8, Our 3D ALUP: 0, Both: 1, Neither: 1**

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
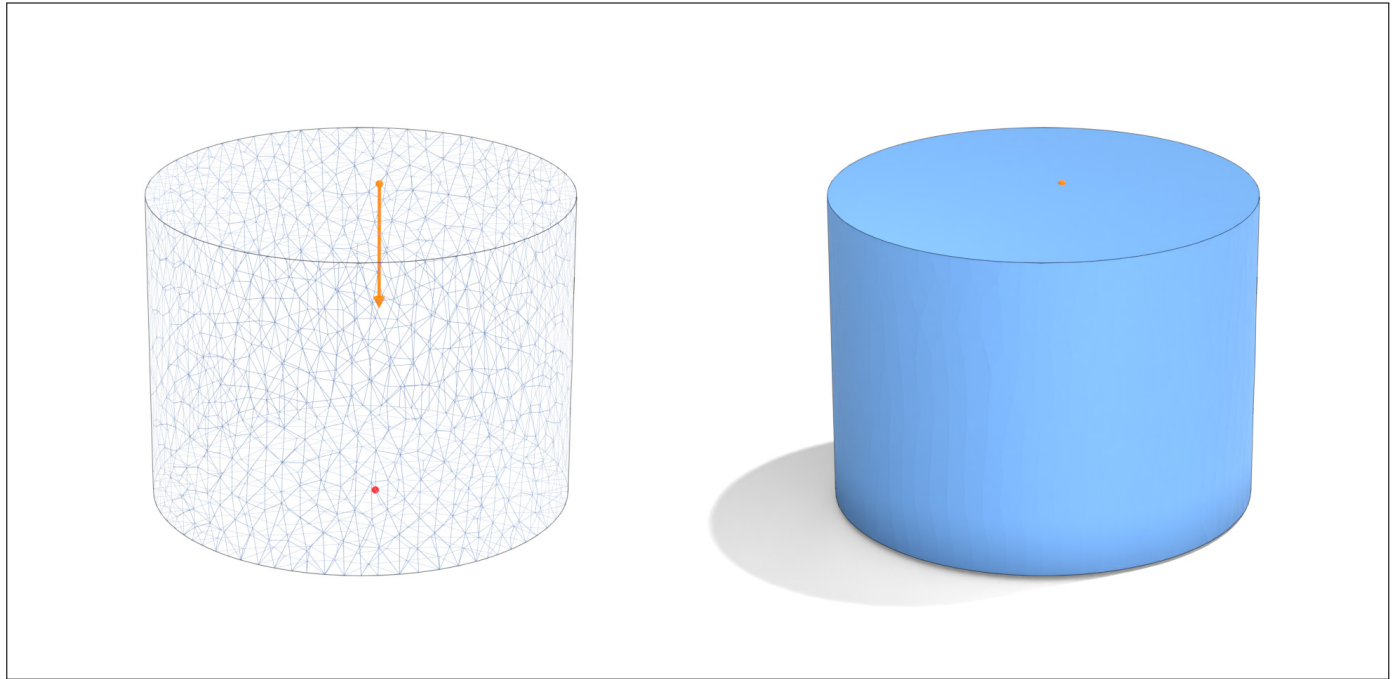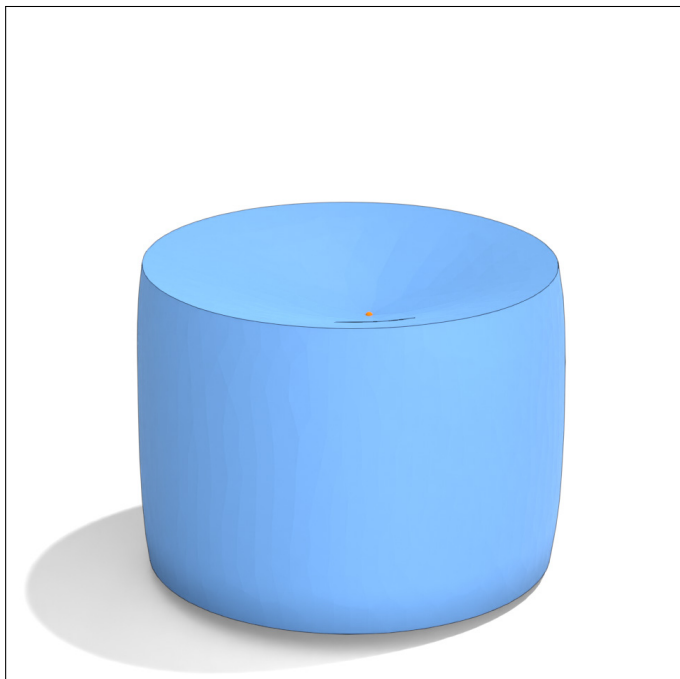

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

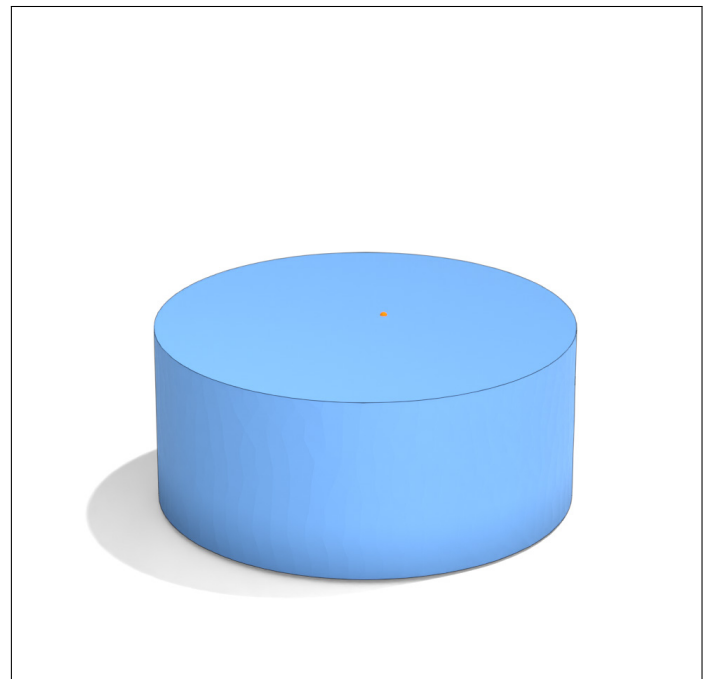# Question 10: Ours: 7, ARAP: 3, Both: 0, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
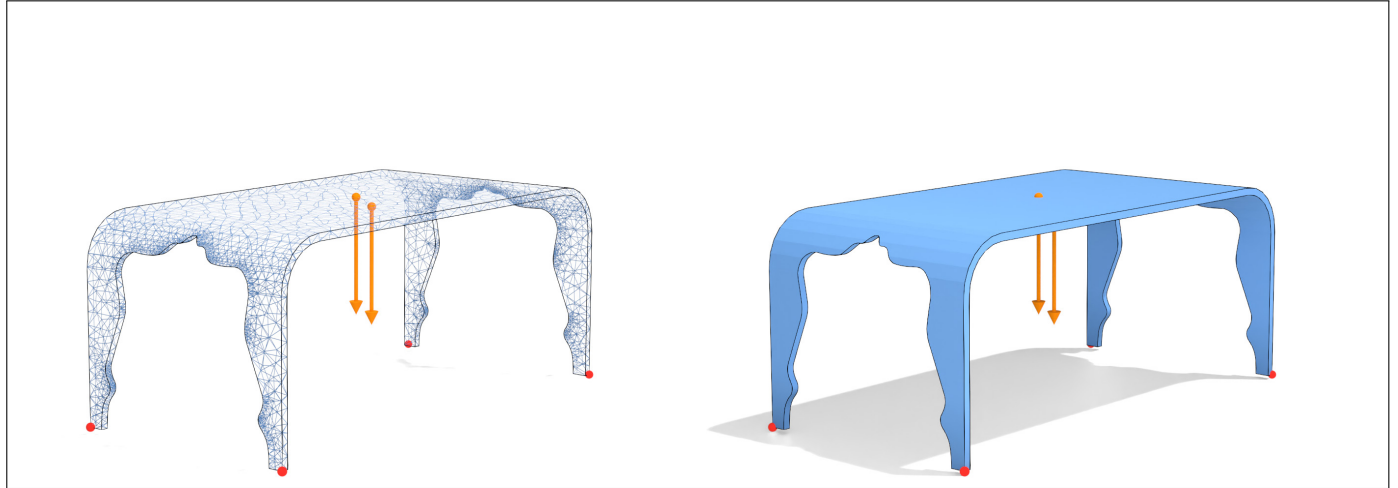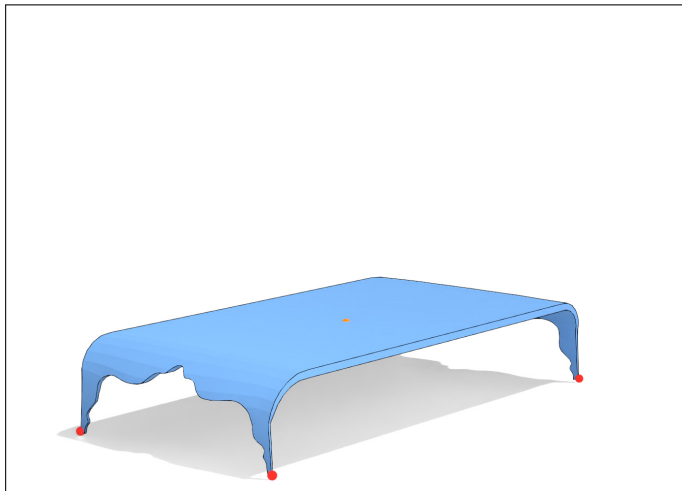

(A)

(B)

(C)

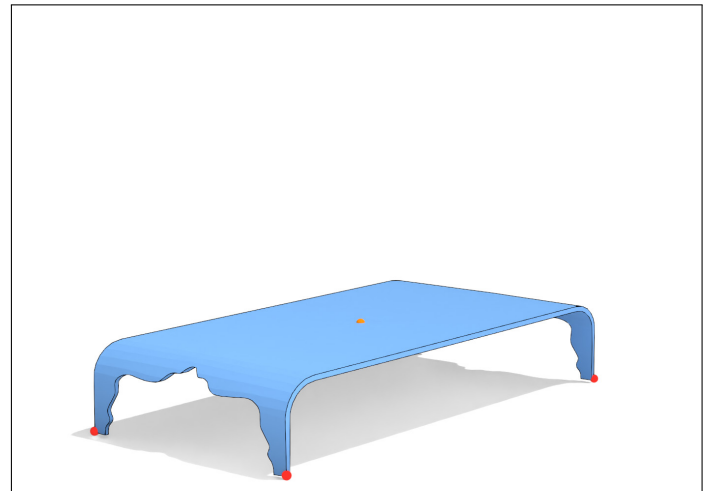○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
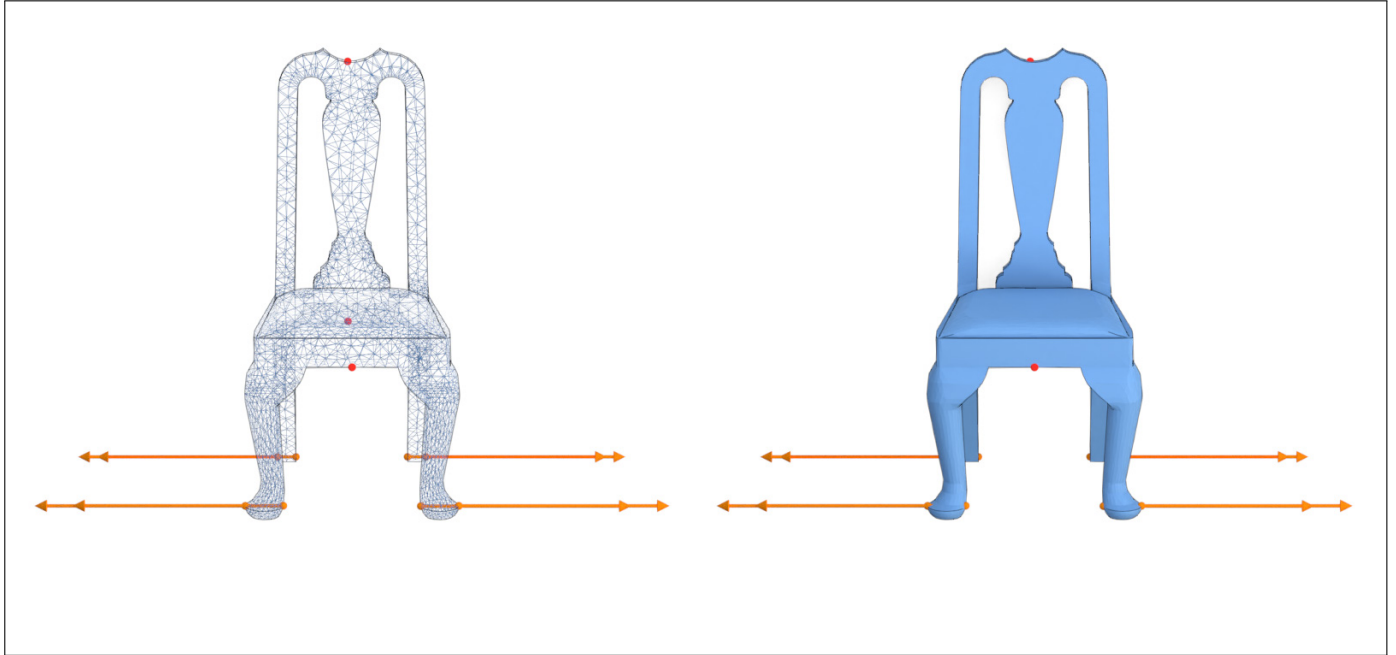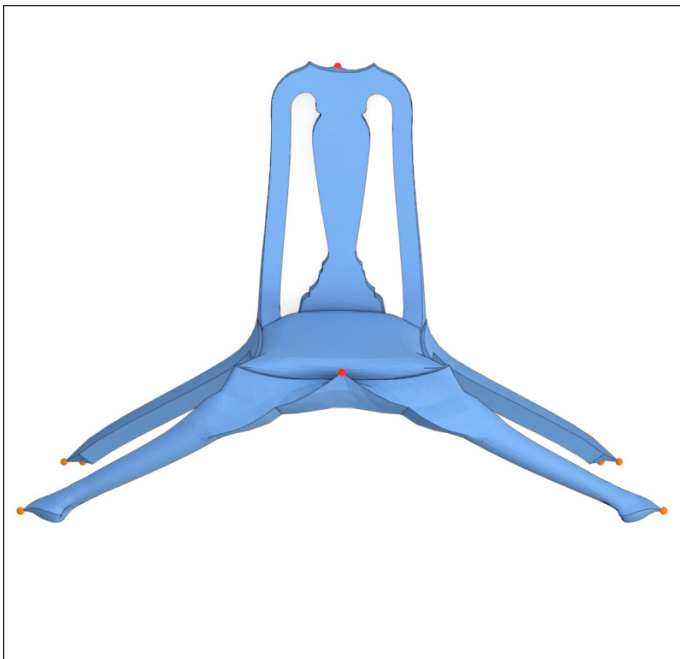

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

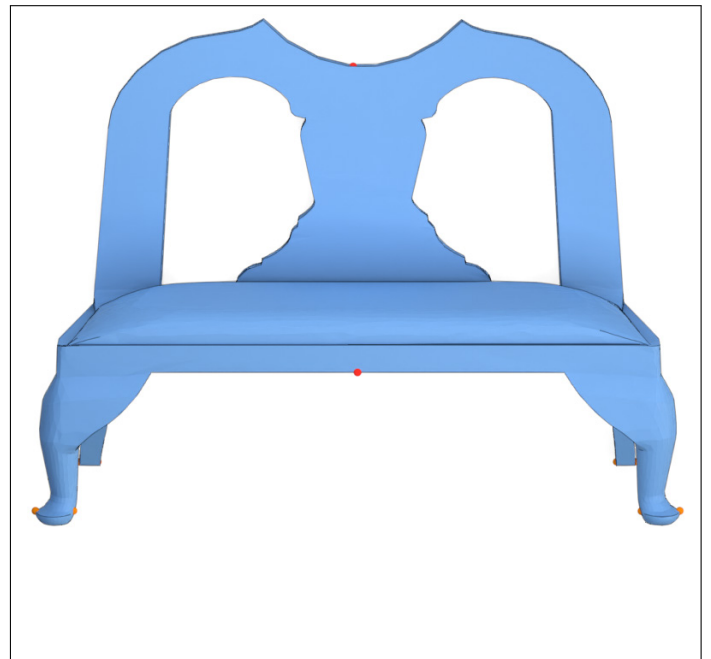# Question 12: Ours: 6, ARAP: 4, Both: 0, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
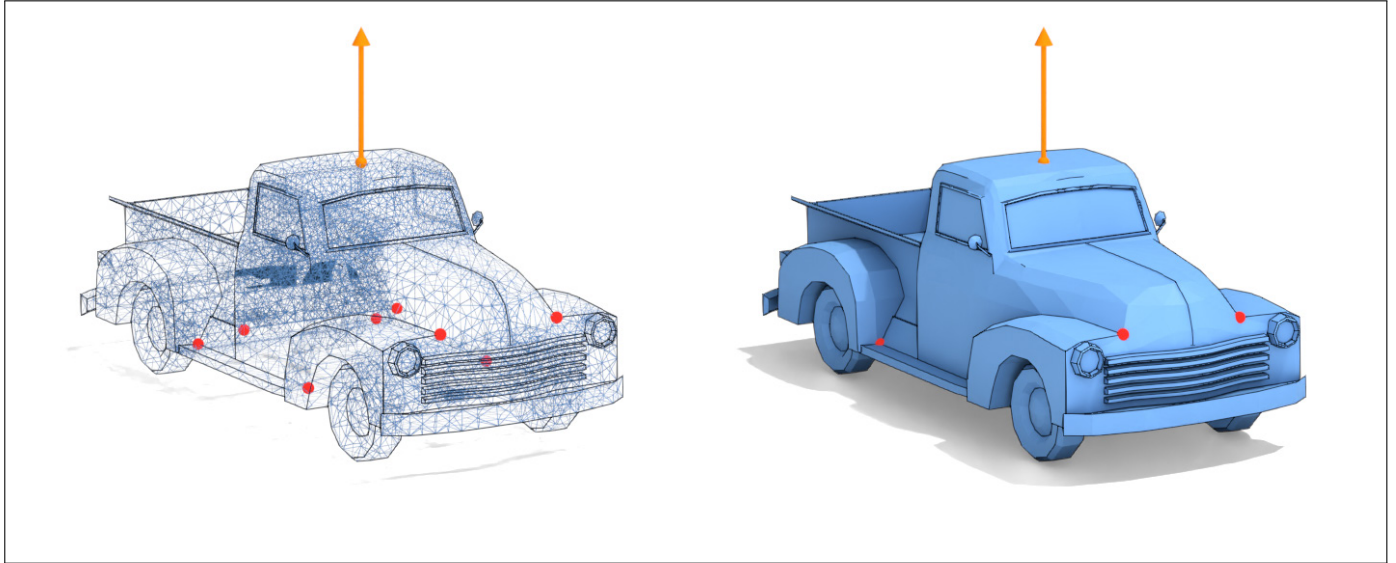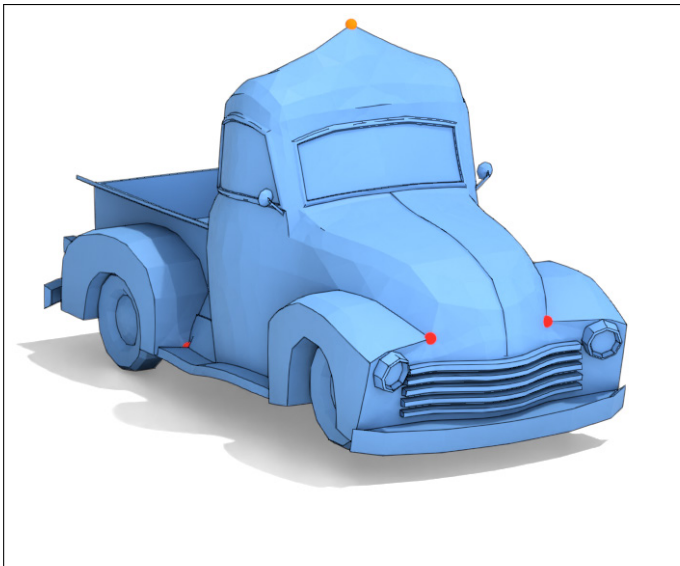

(A)

(B)

(C)

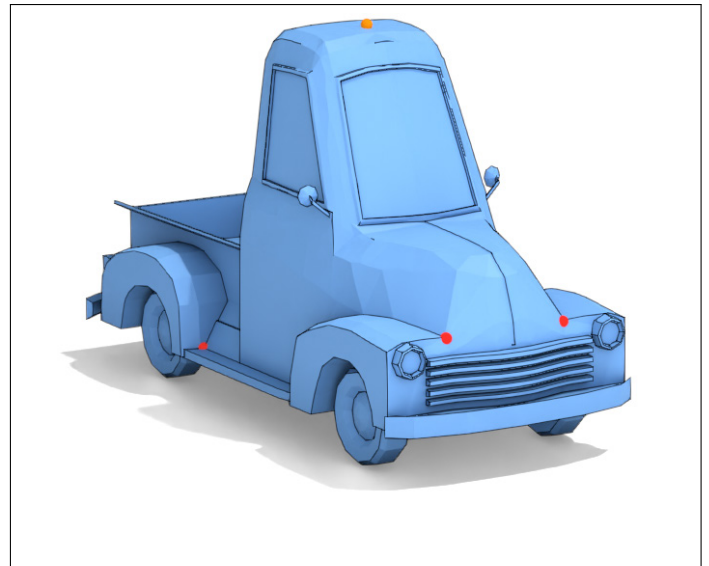○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
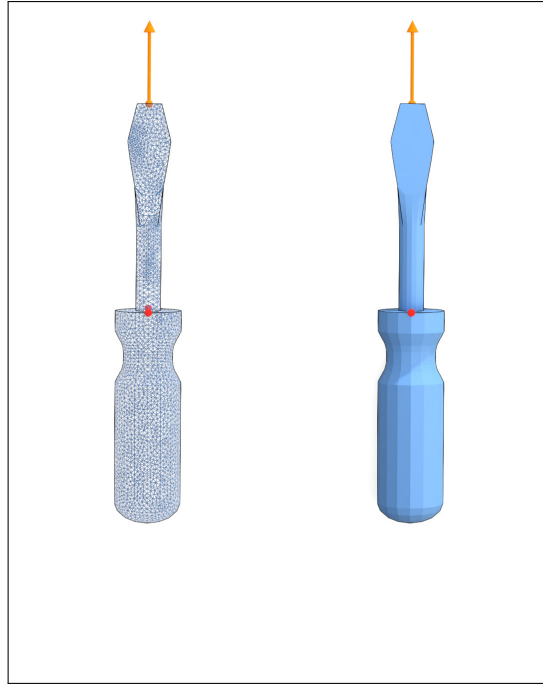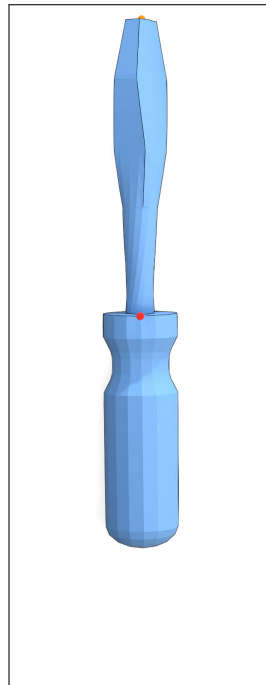

(A)

(B)

(C)

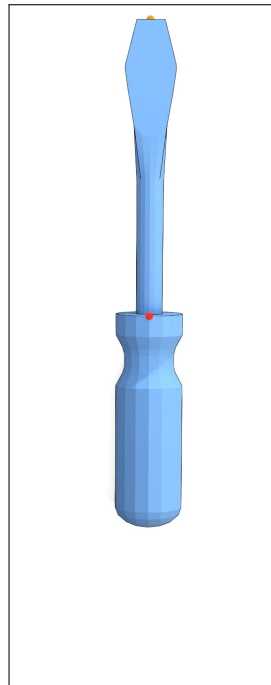○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
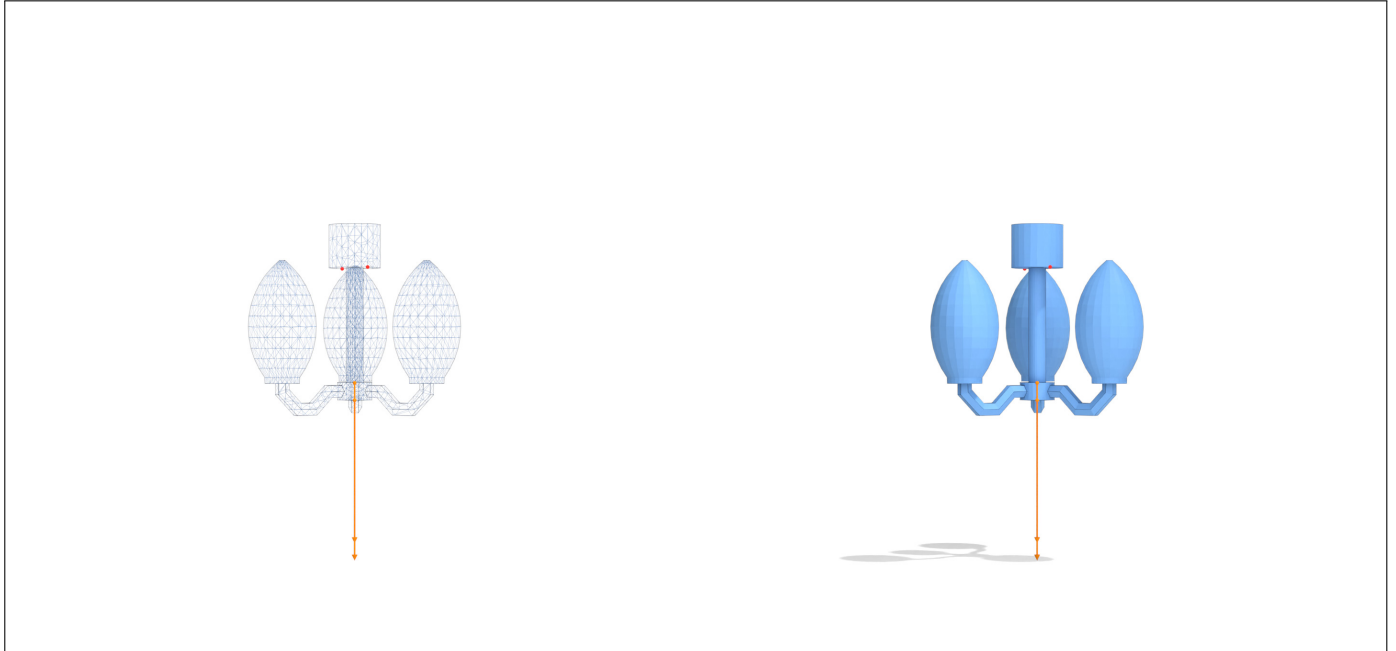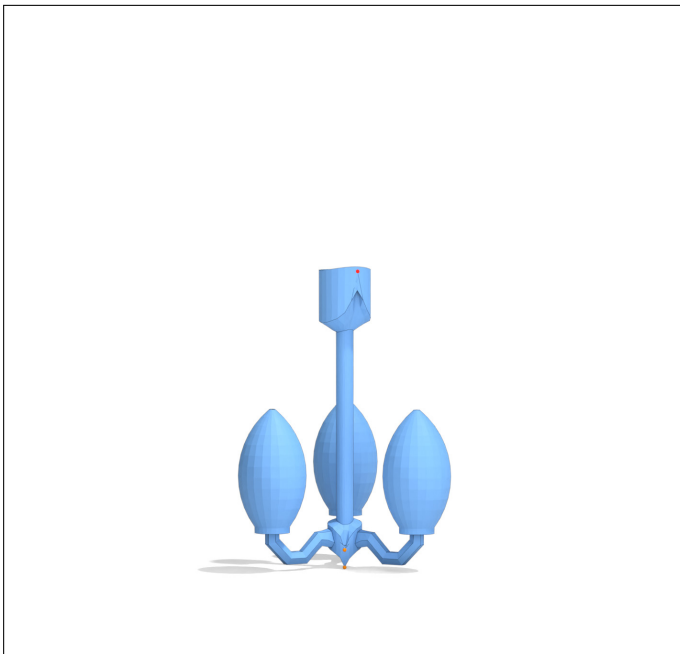

(A)

(B)

(C)

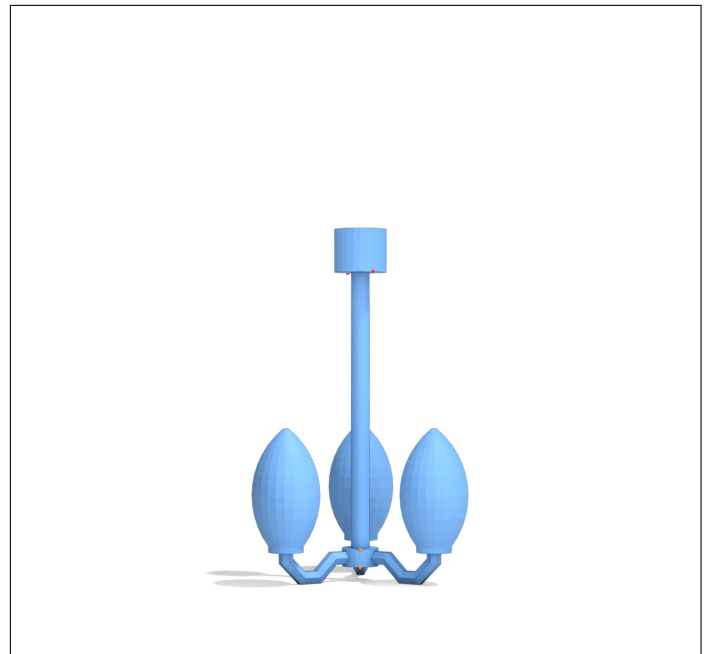○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
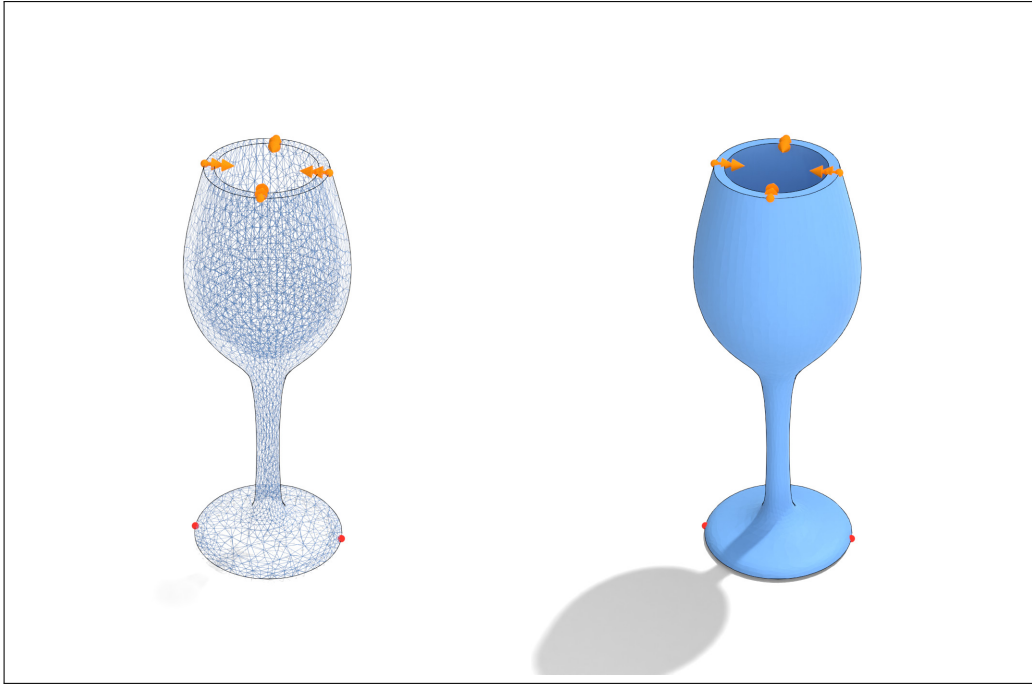

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

Question 16: Ours: 7, Our 3D ALUP: 1, Both: 2, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
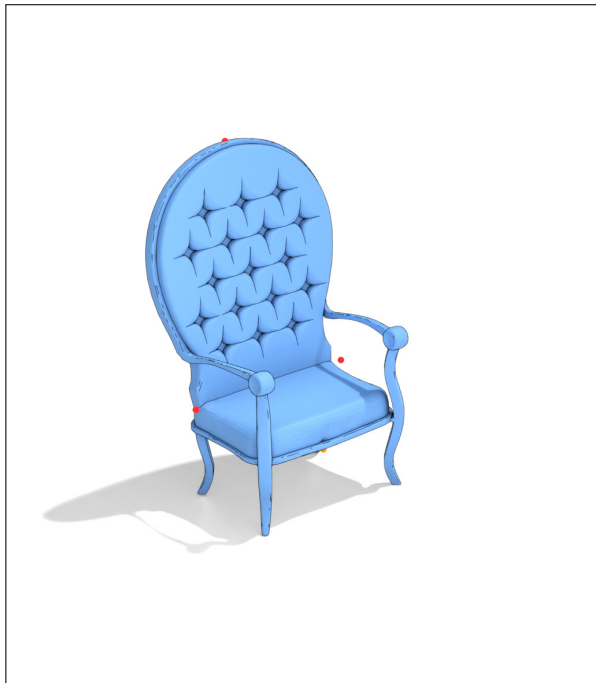

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
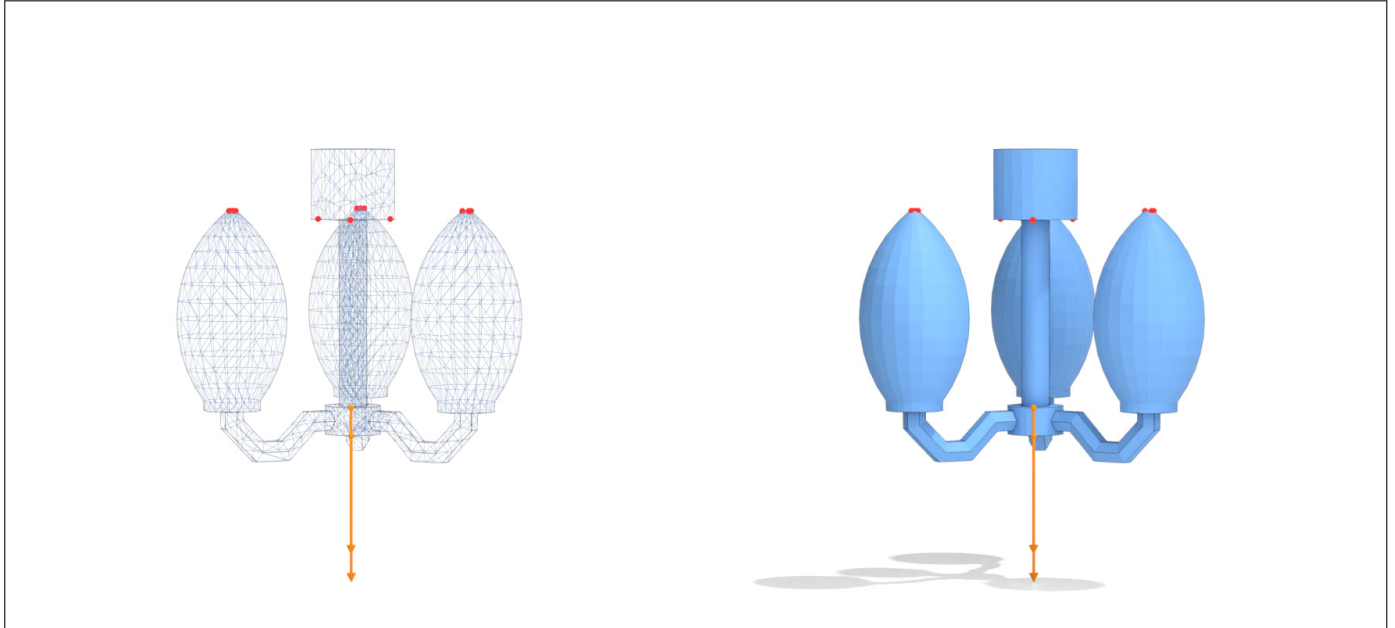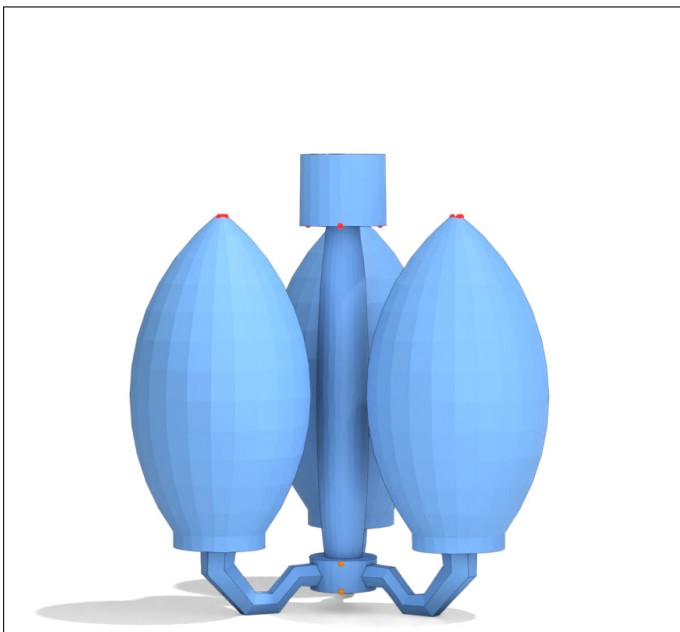

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

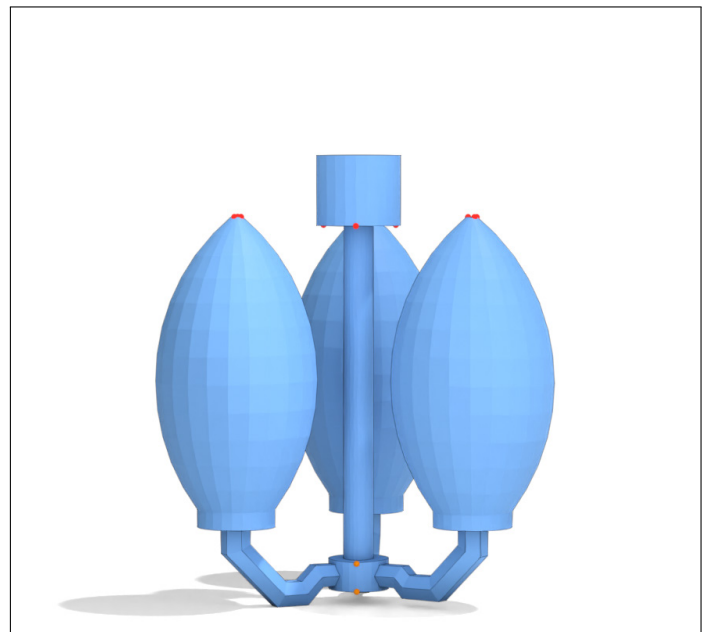# Question 18: Ours: 5, Our 3D ALUP: 1, Both: 3, Neither: 1

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
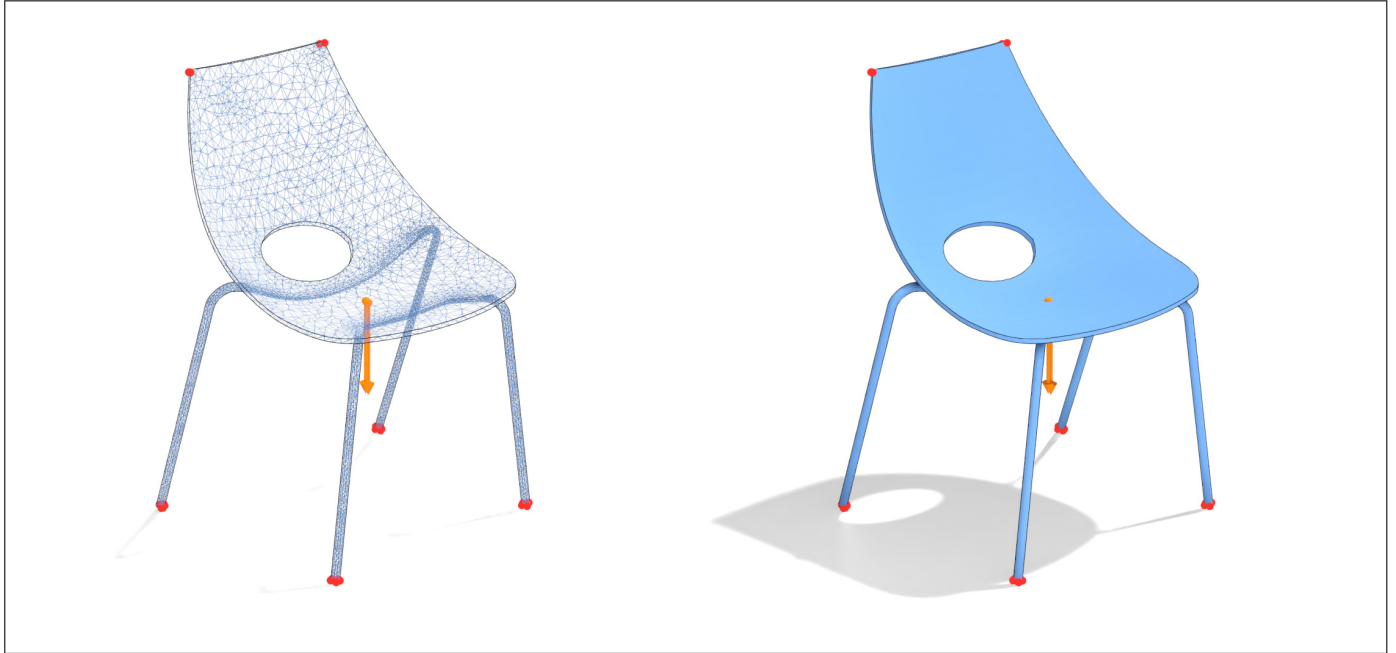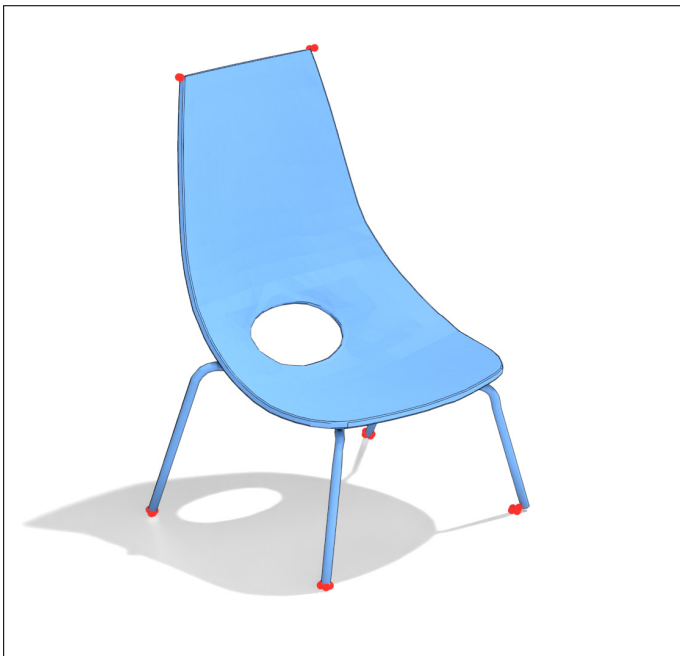

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

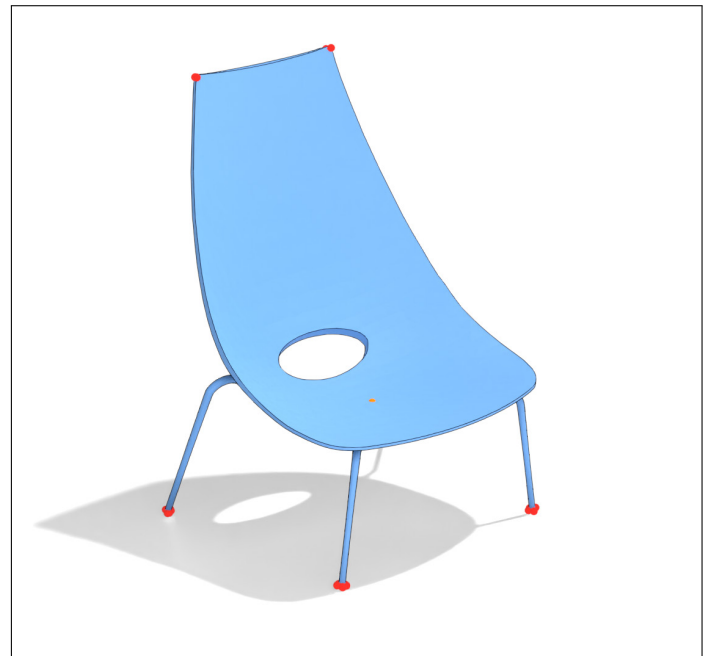**Question 19: Ours: 4, Artist: 2, Both: 1, Neither: 3**

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
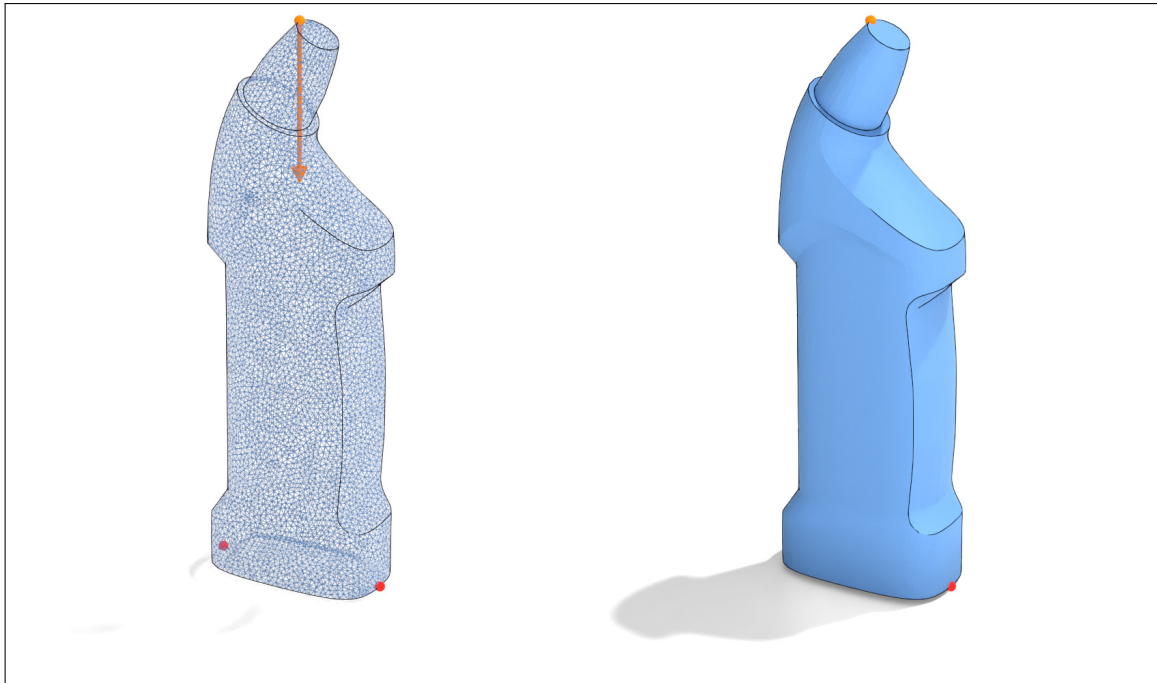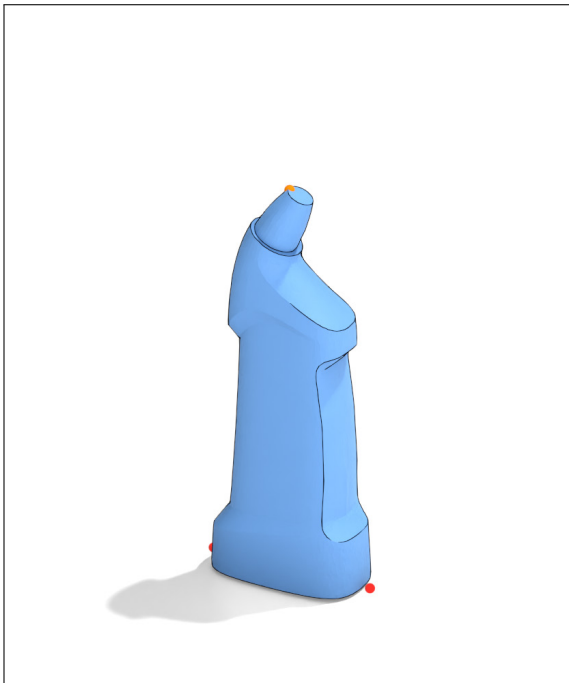

(A)

(B)

(C)

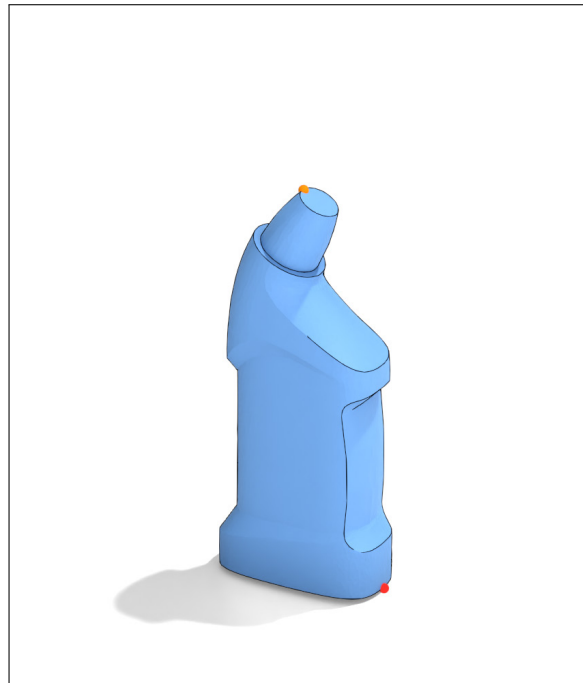○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
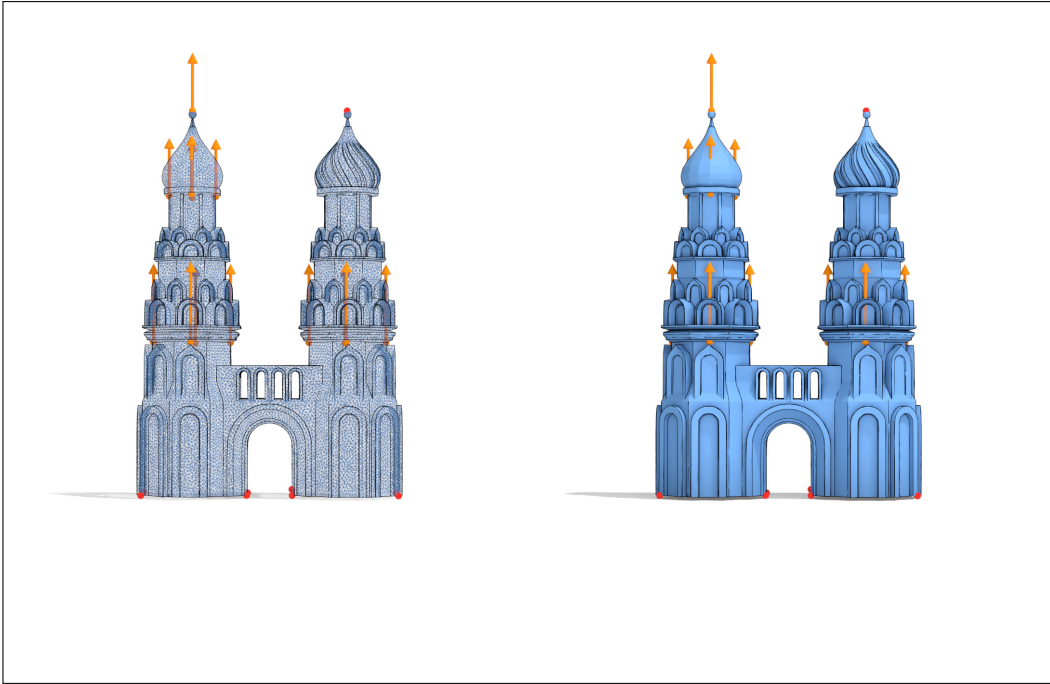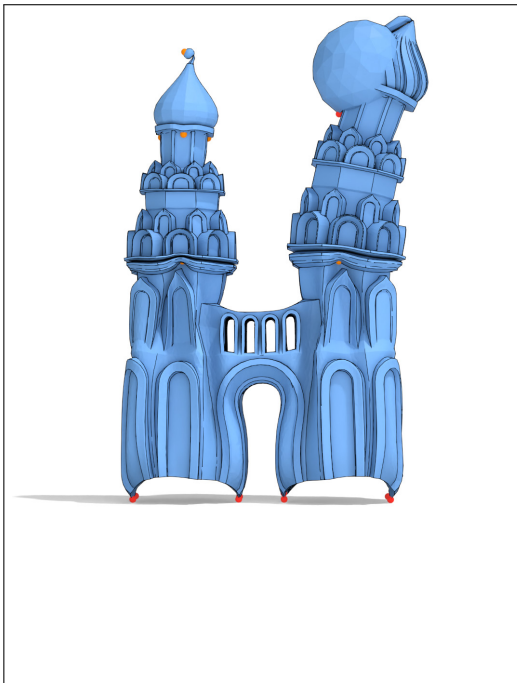

(A)

(B)

(C)

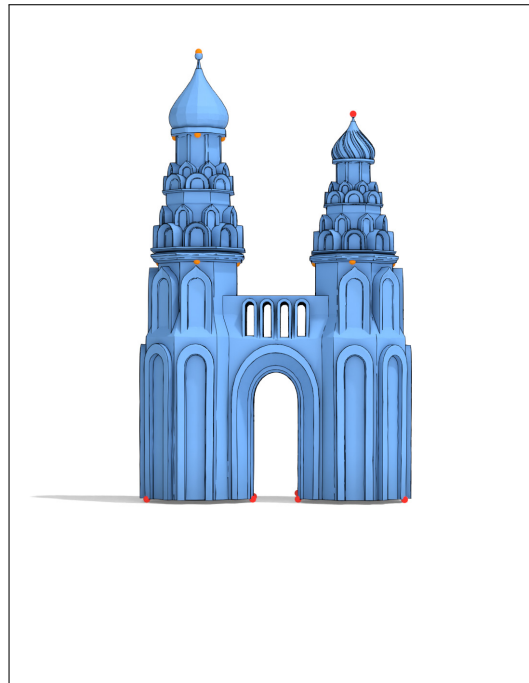○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
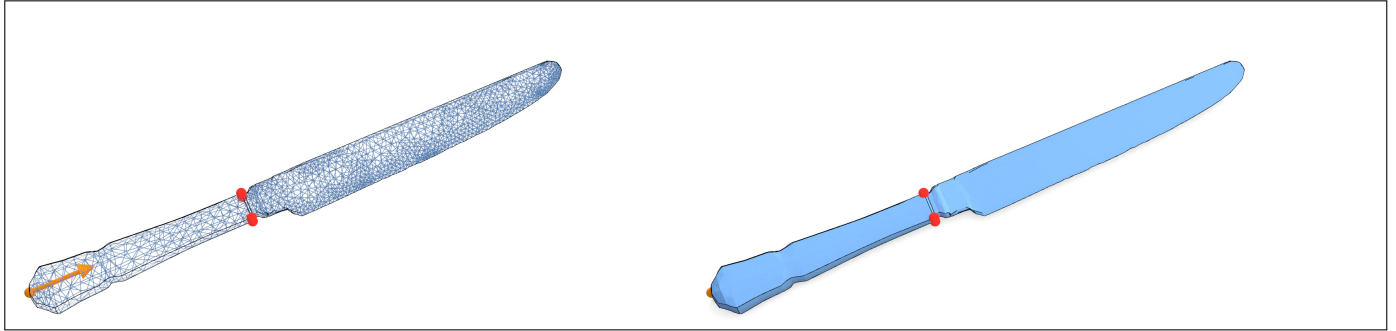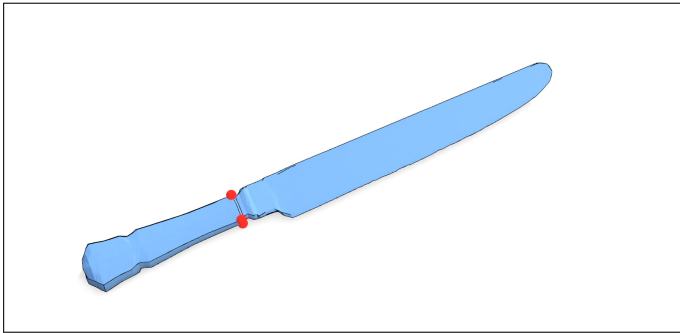

(A)

(B)

(C)

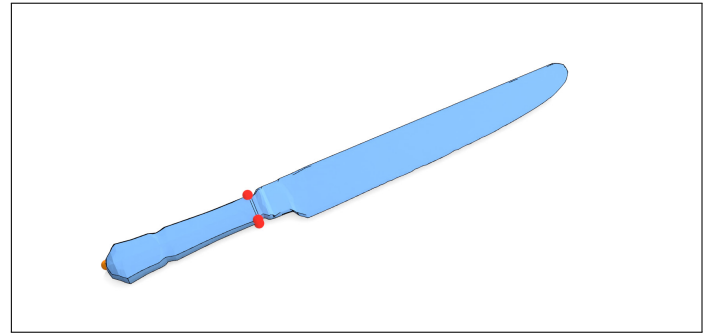○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
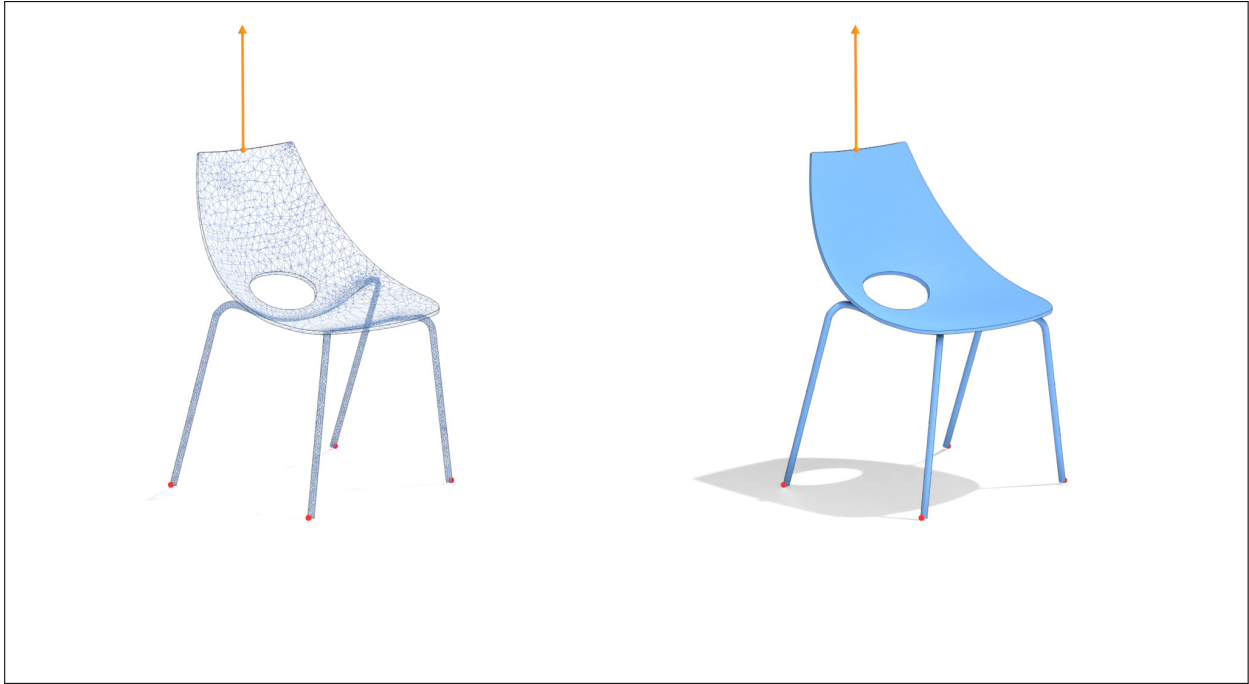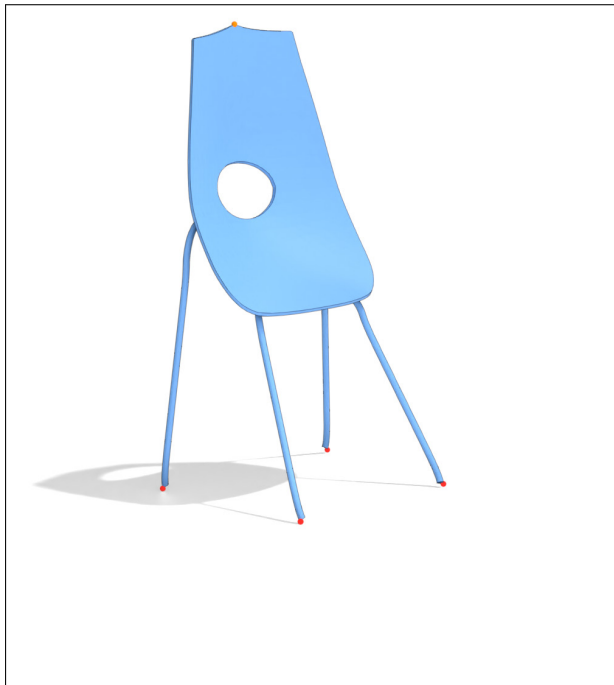

(A)

(B)

(C)

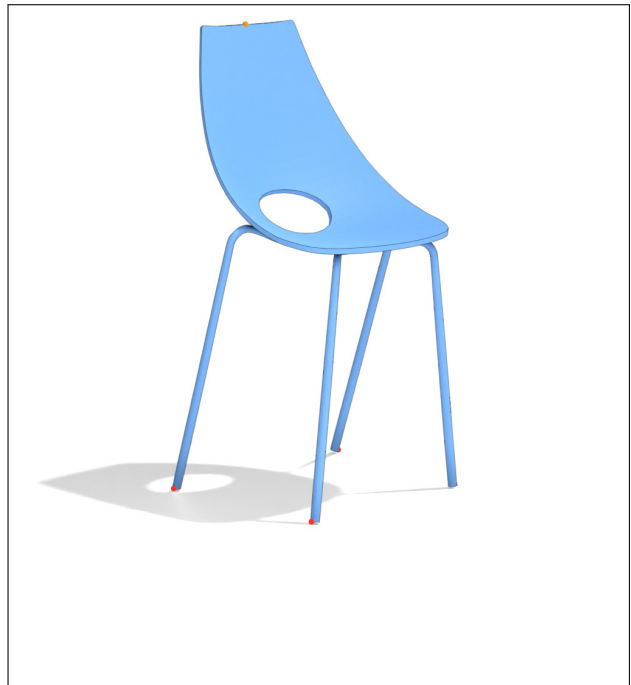○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
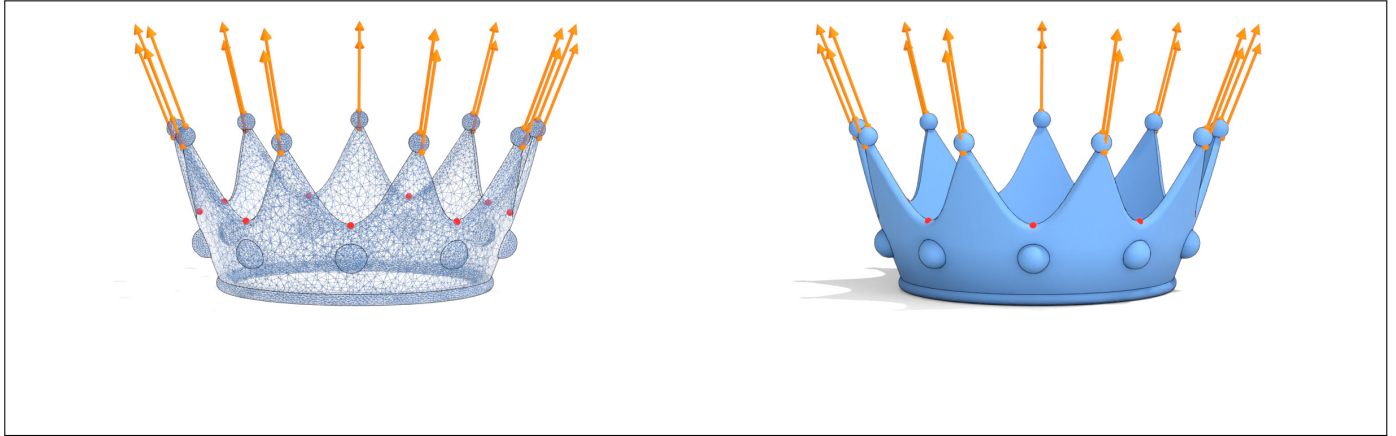

(A)

(B)

(C)

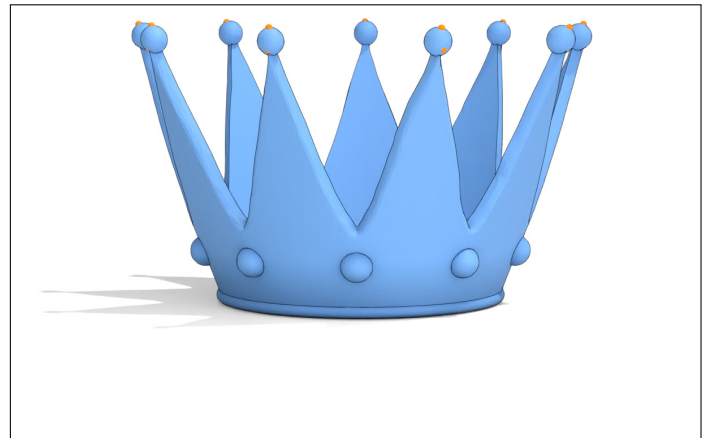○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
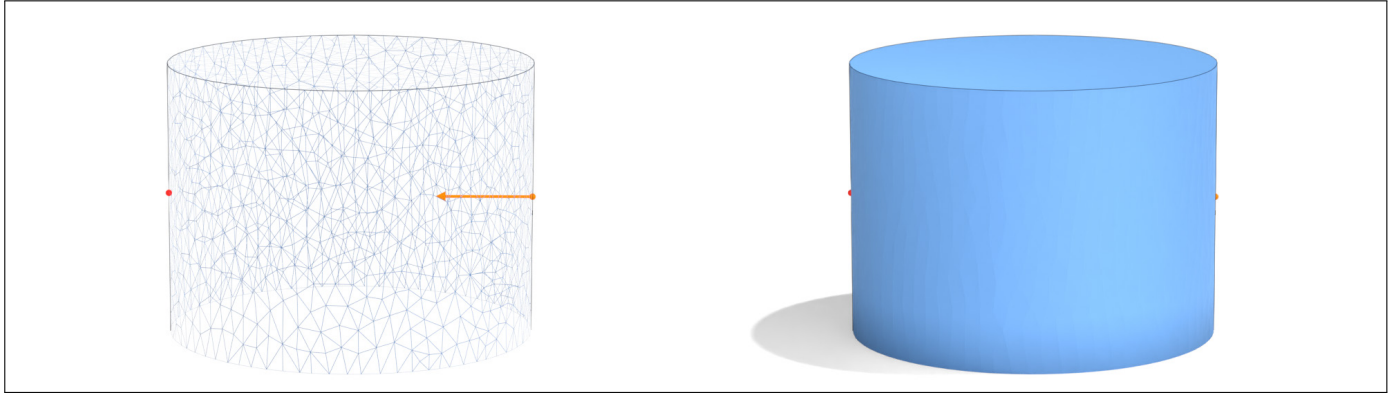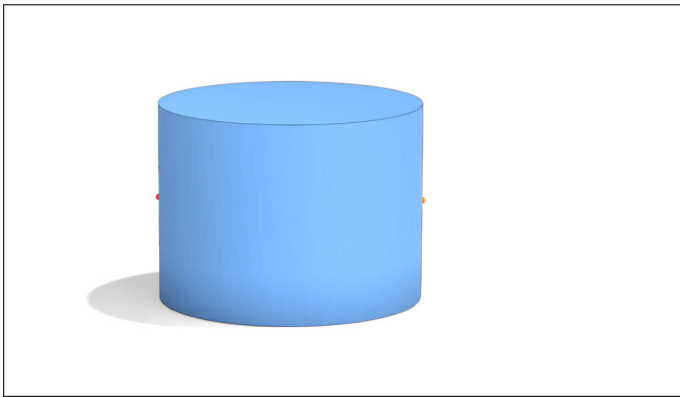

(A)

(B)

(C)

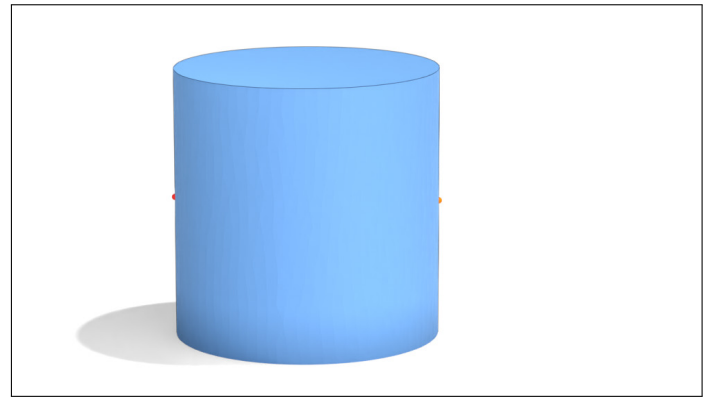○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
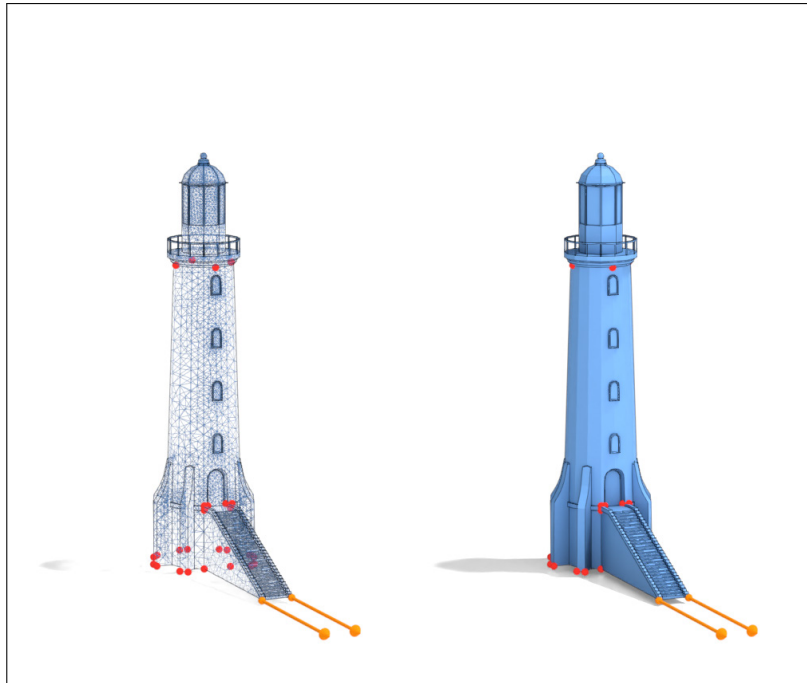

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
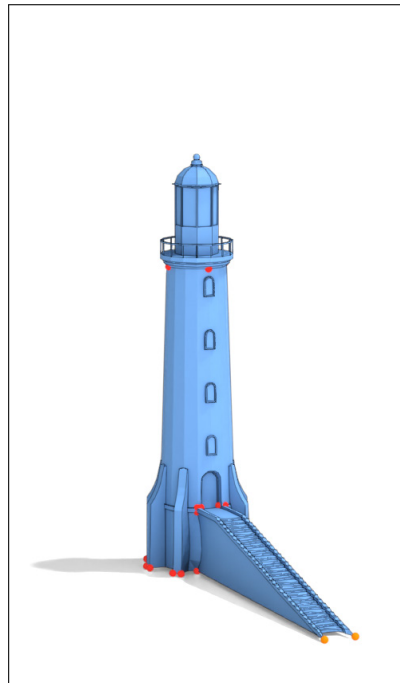

(A)

(B)

(C)

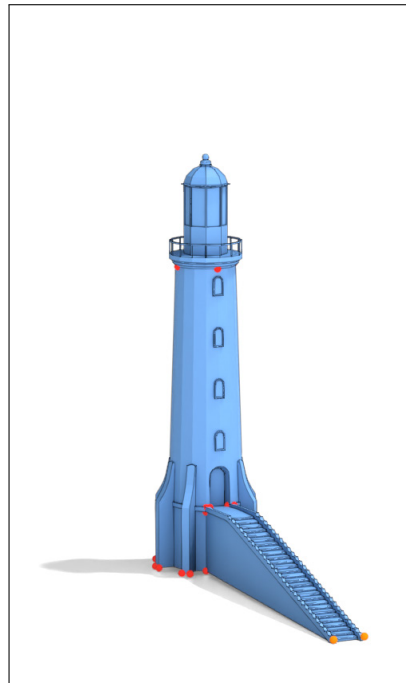○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
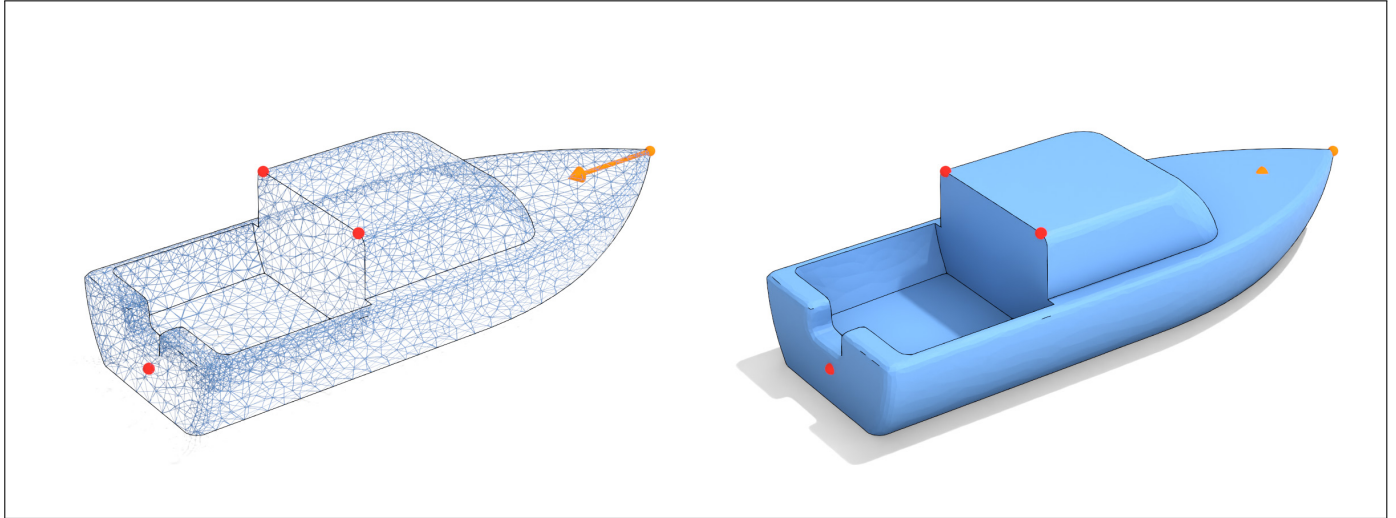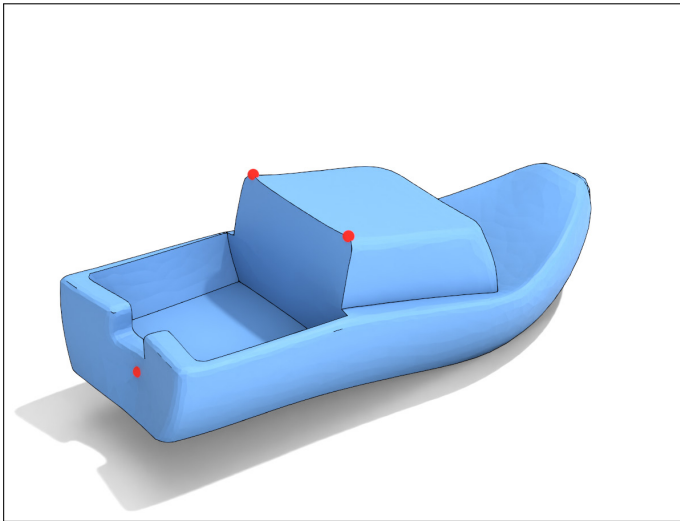

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

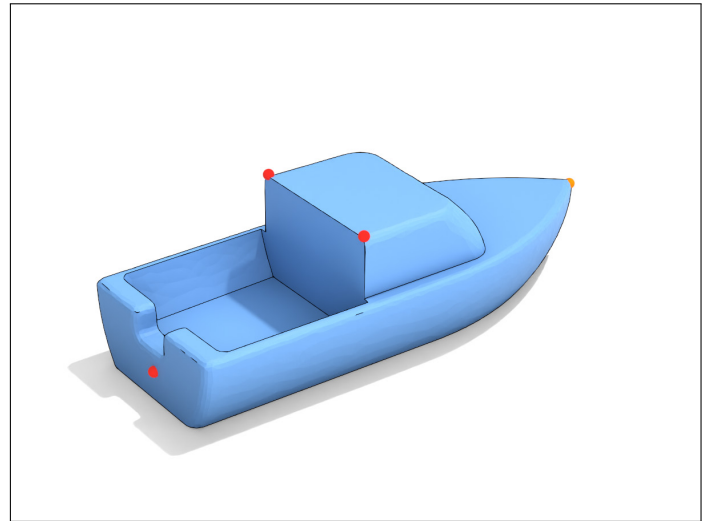# Question 28: Ours: 8, Poisson: 0, Both: 0, Neither: 2

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
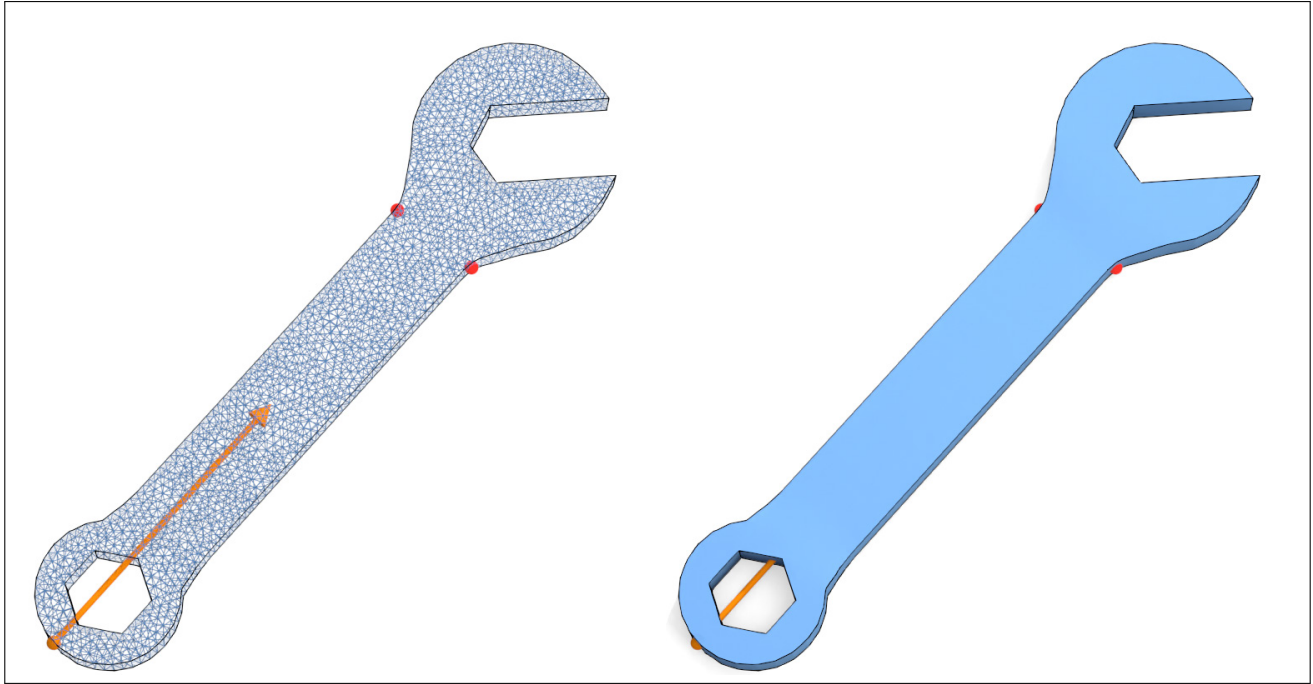

(A)

(B)

(C)

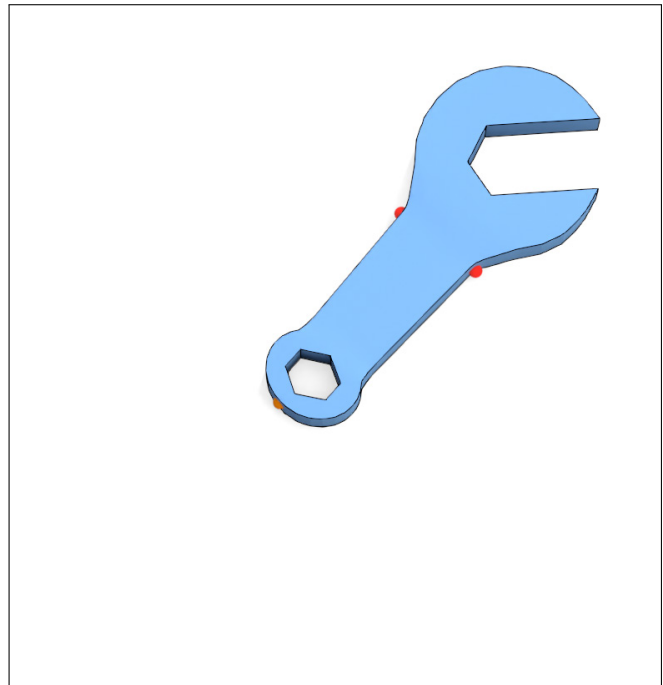○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
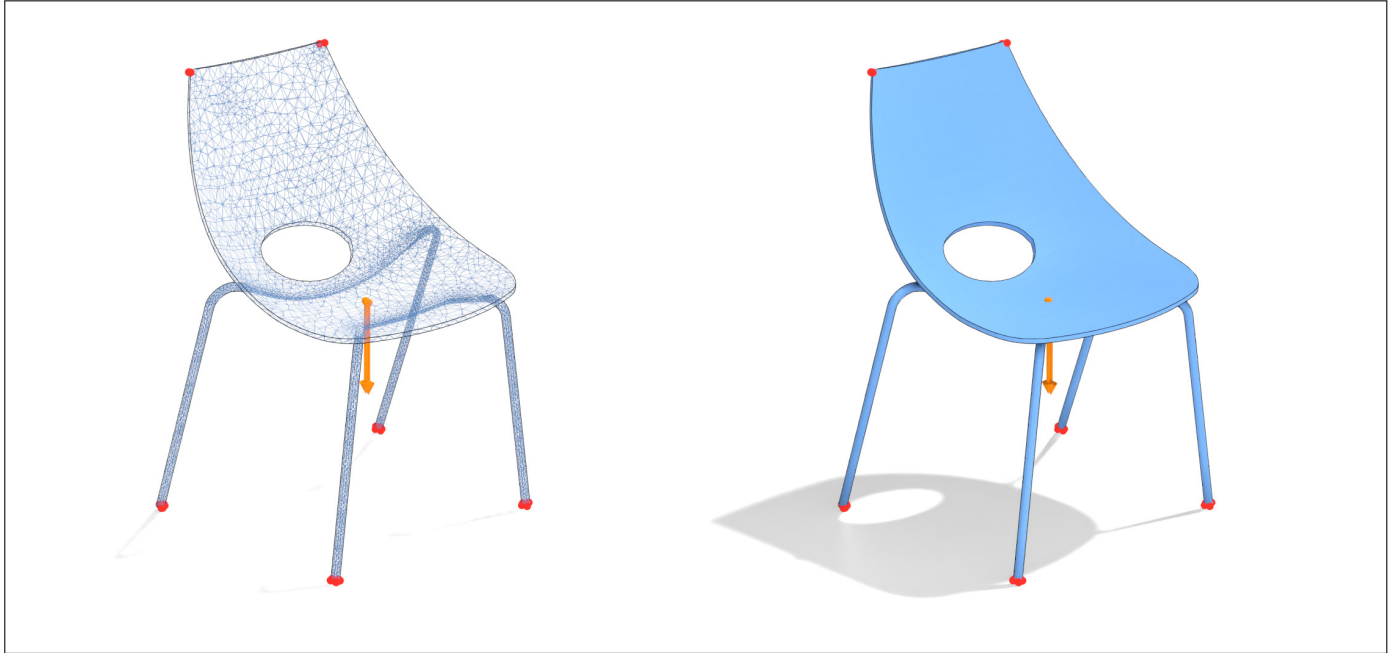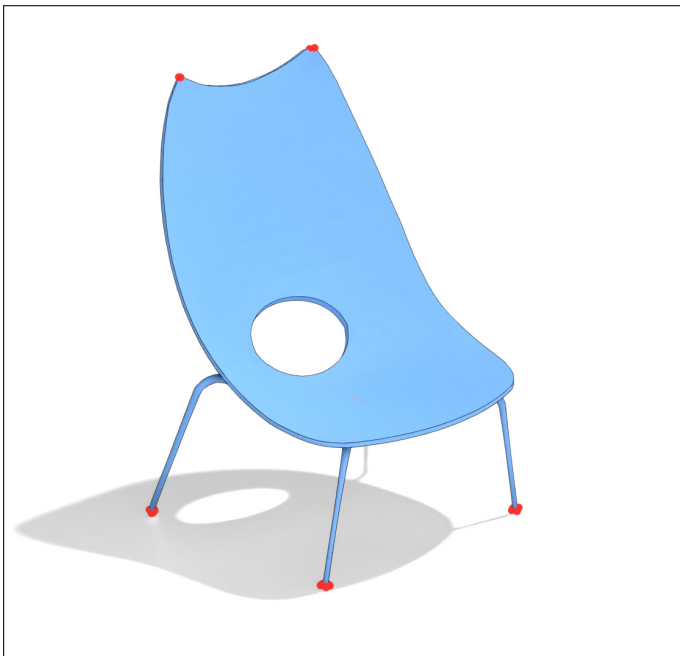

(A)

(B)

(C)

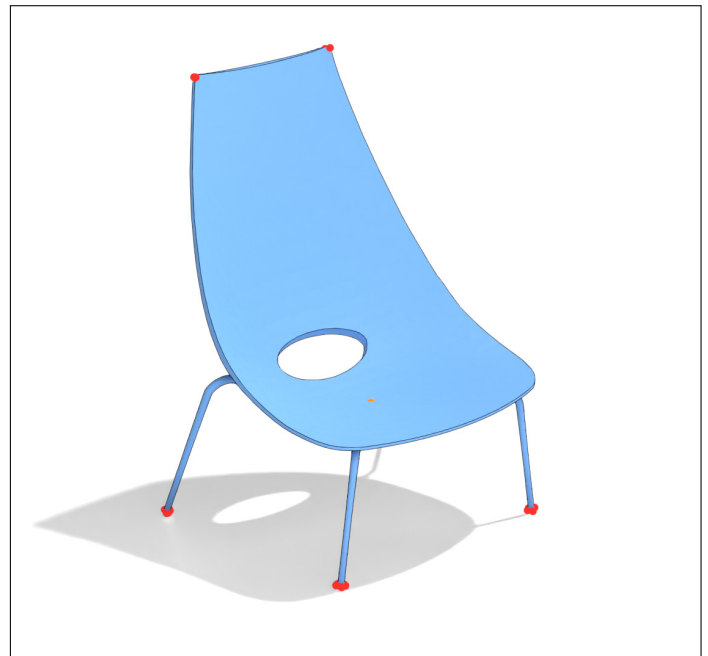○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
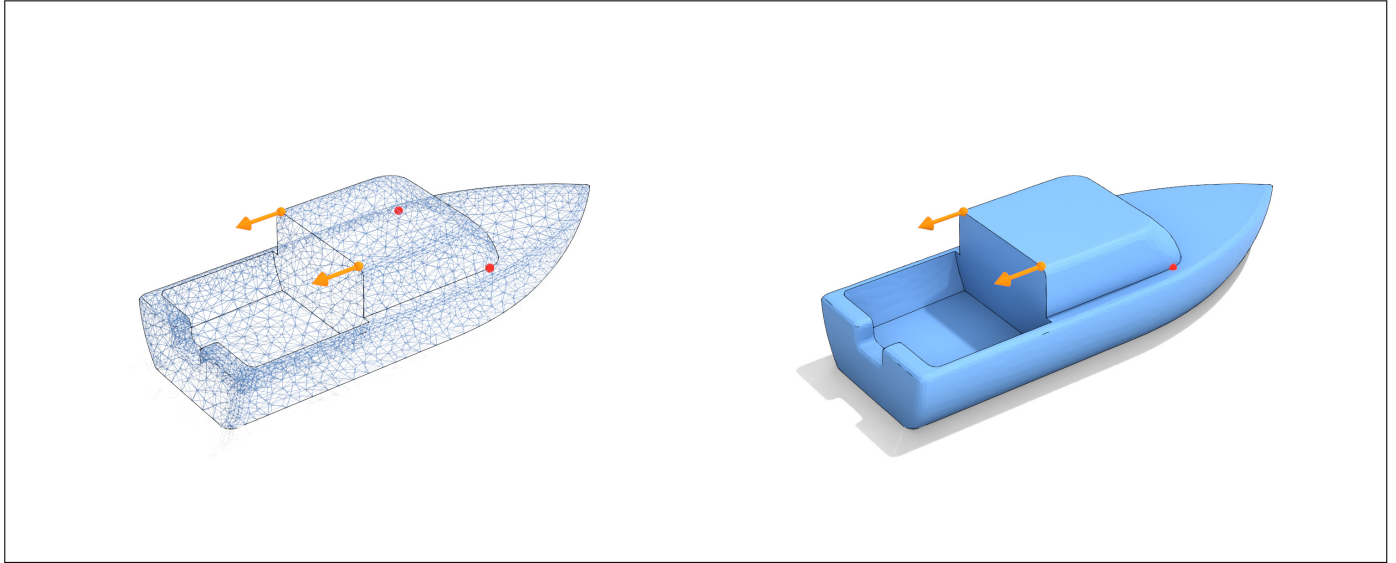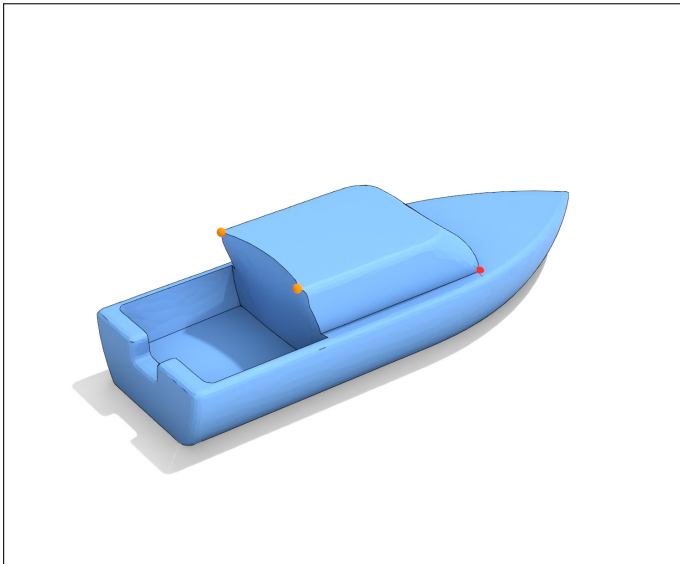

(A)

(B)

(C)

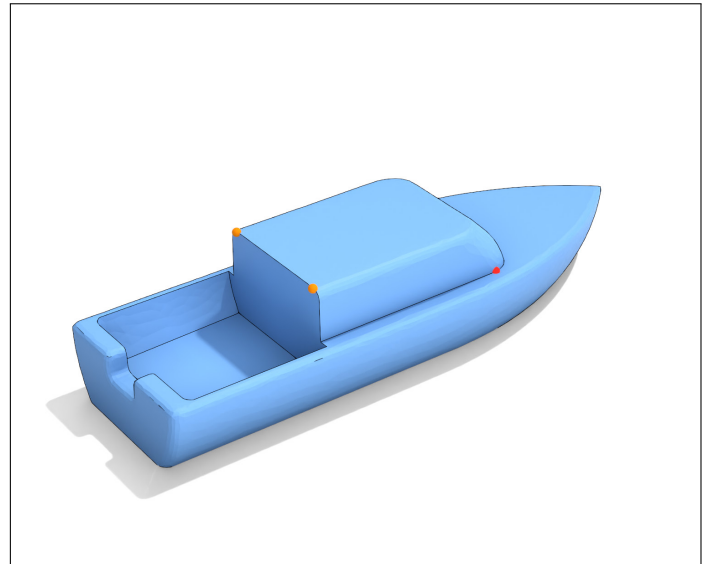○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
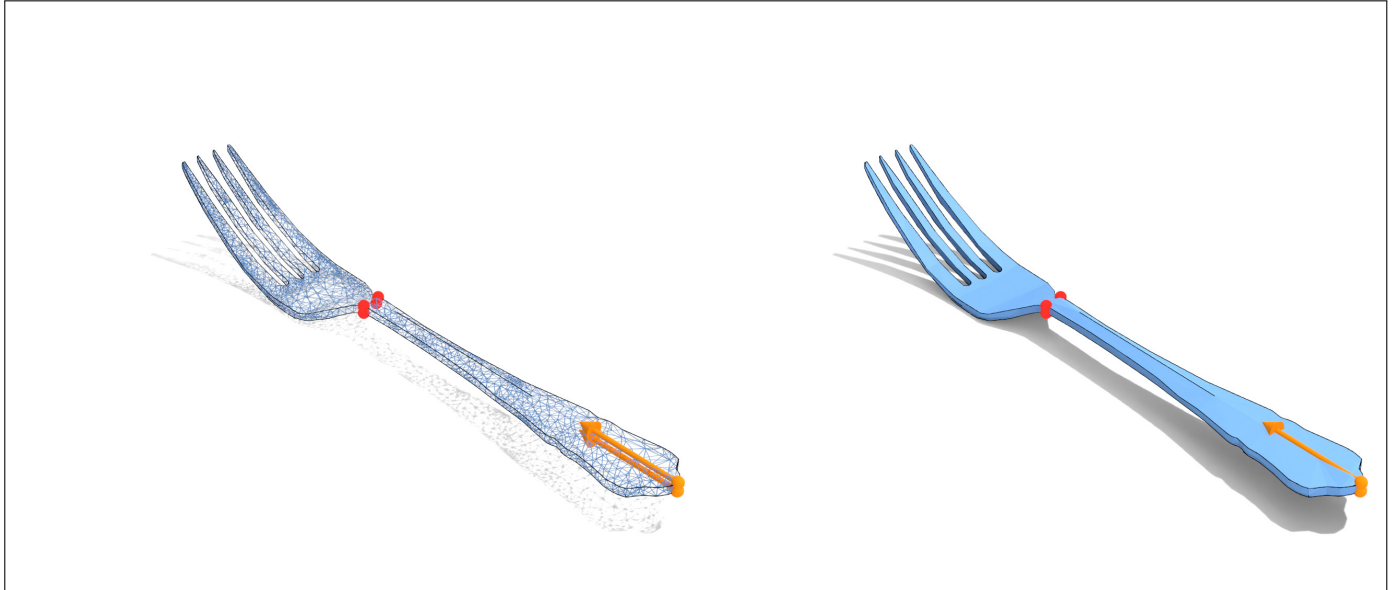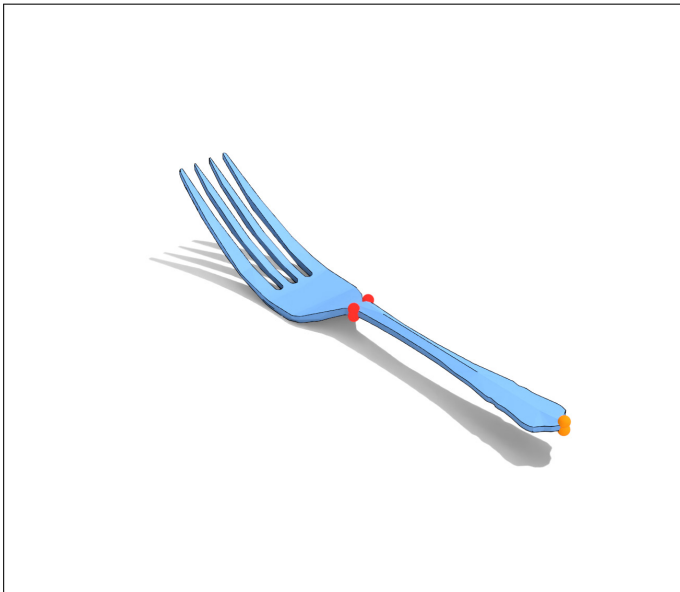

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

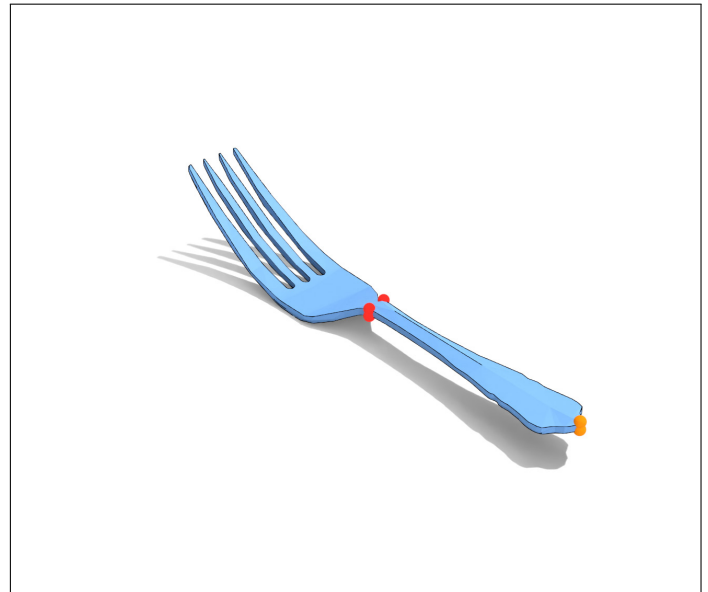## Question 32: Ours: 9, Conformal: 0, Both: 0, Neither: 1

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
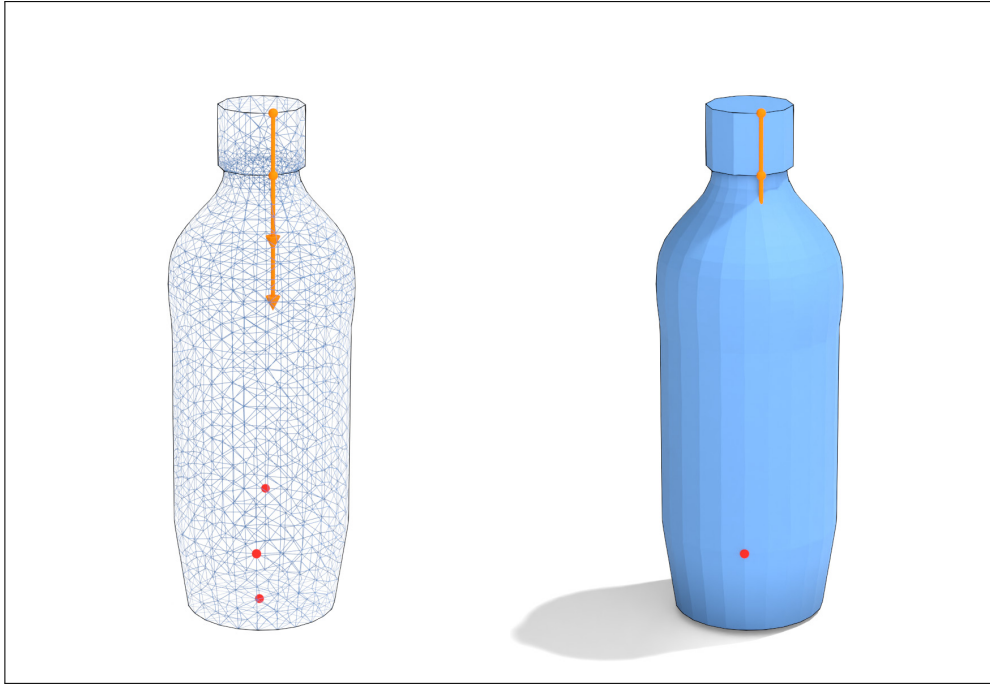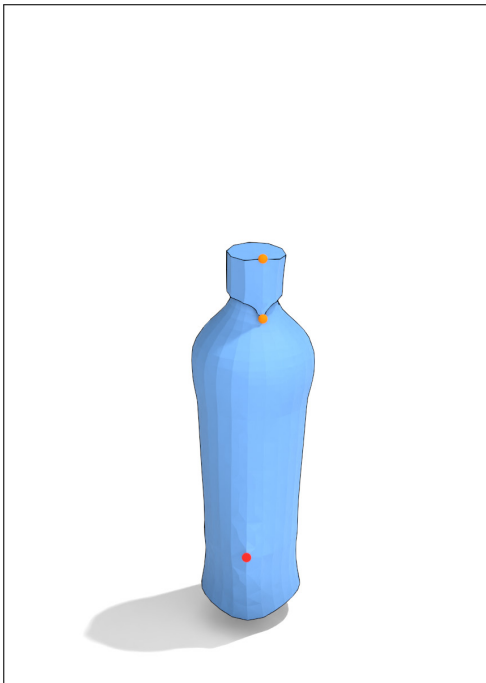

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
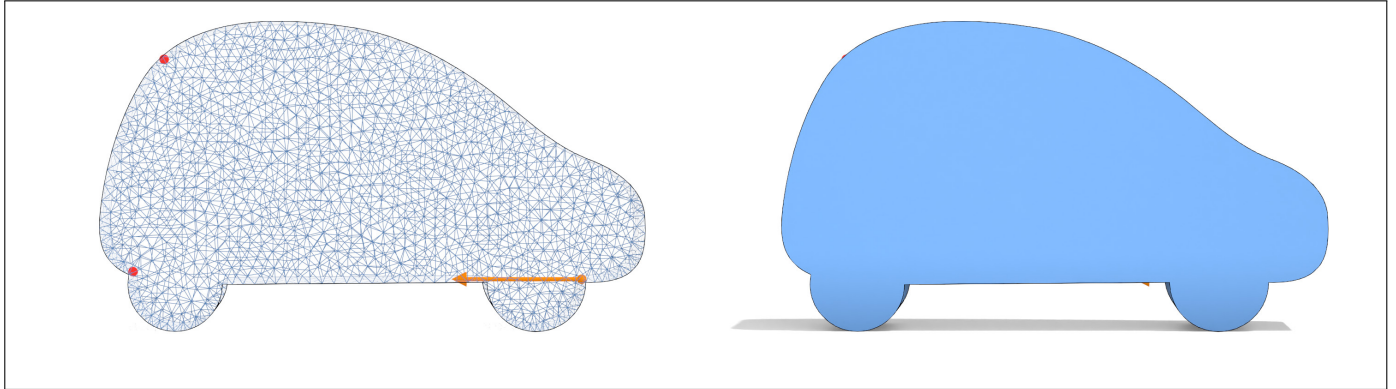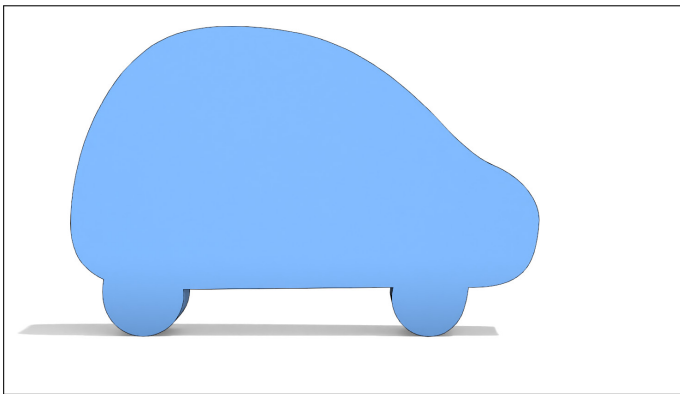

(A)

(B)

(C)

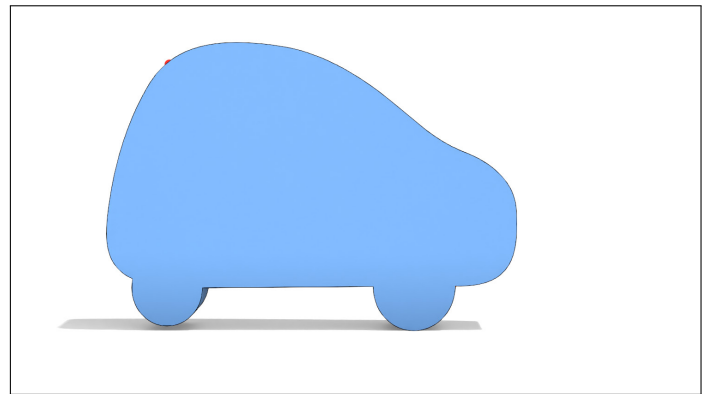○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
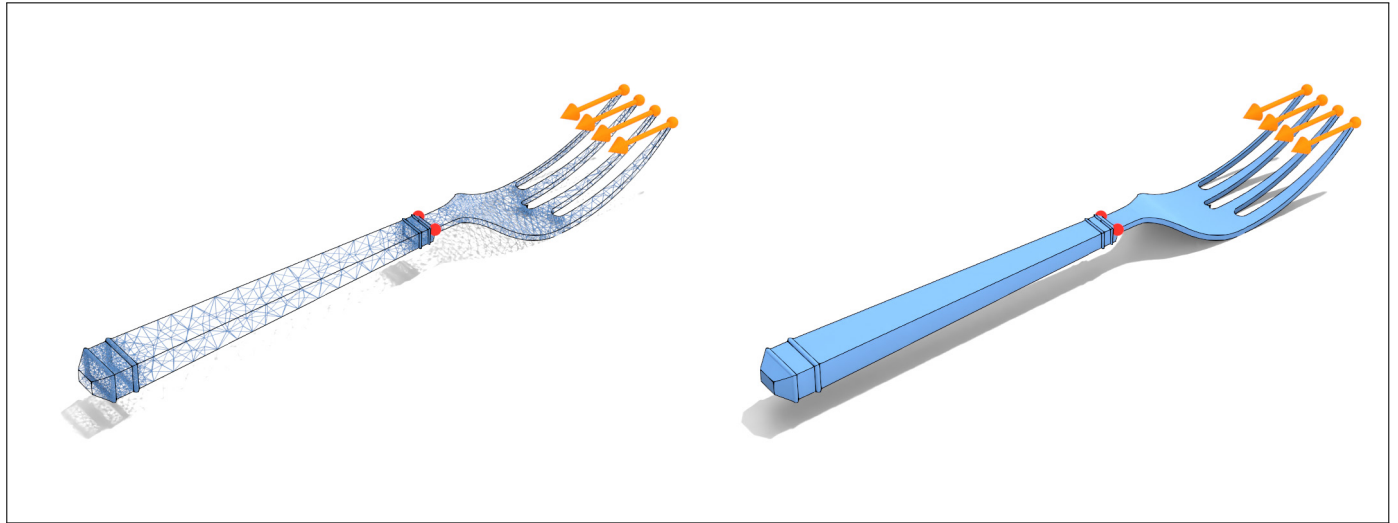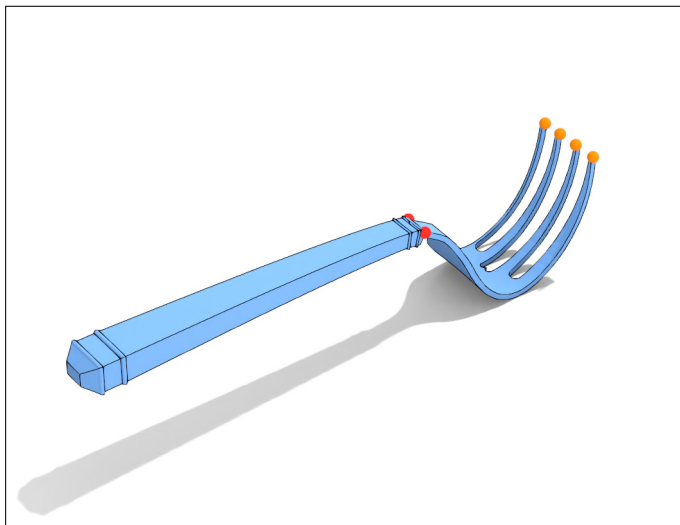

(A)

(B)

(C)

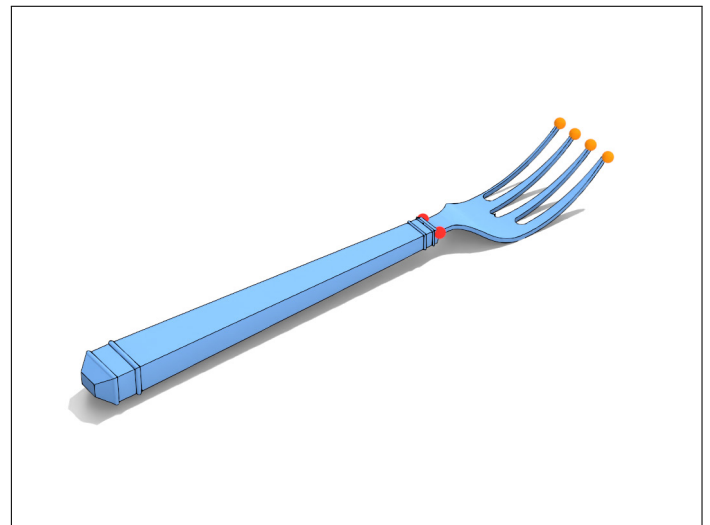○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
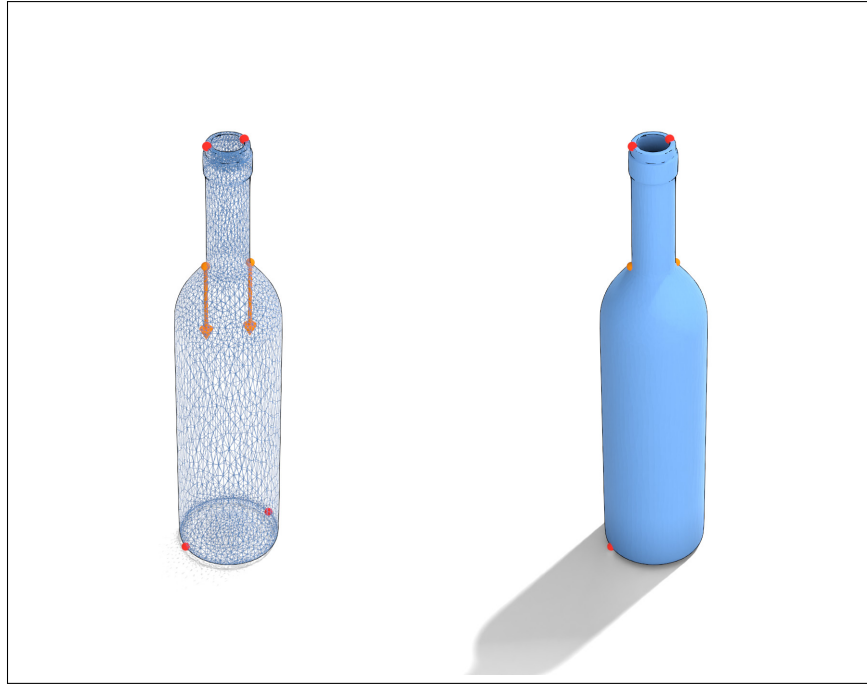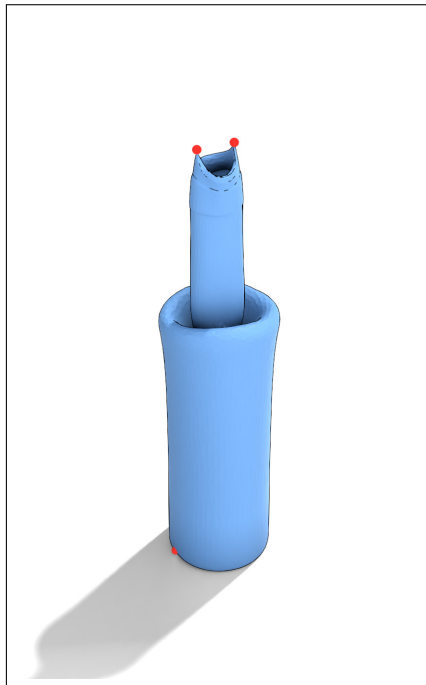

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

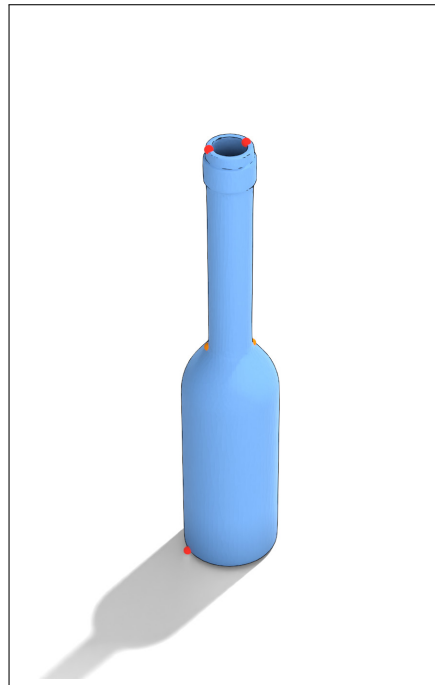# Question 36: Ours: 10, Conformal: 0, Both: 0, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
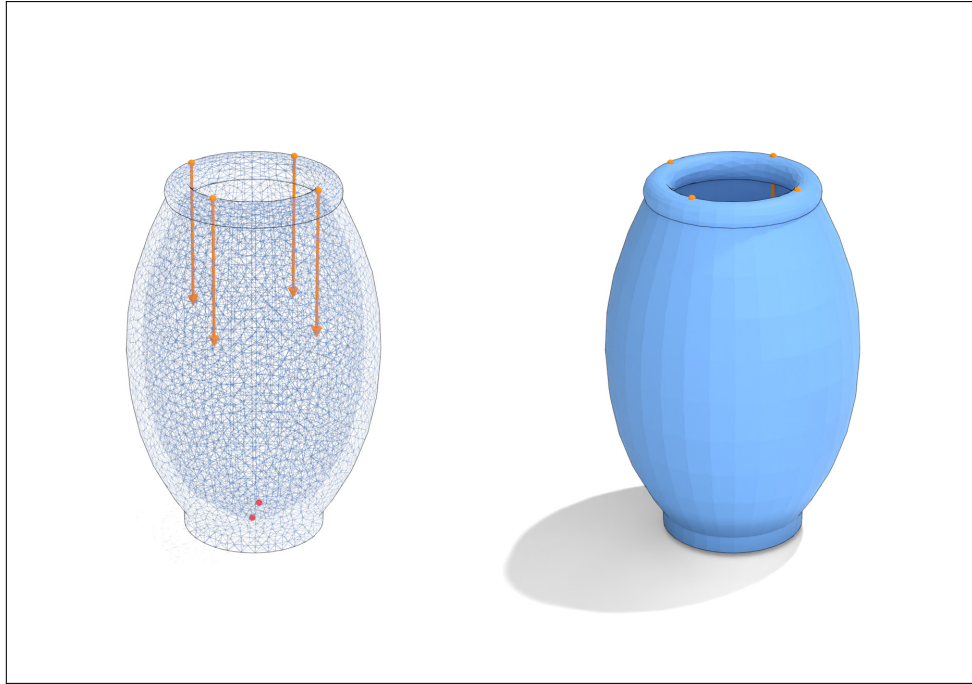

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 37: Ours: 7, Poisson: 2, Both: 0, Neither: 1

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
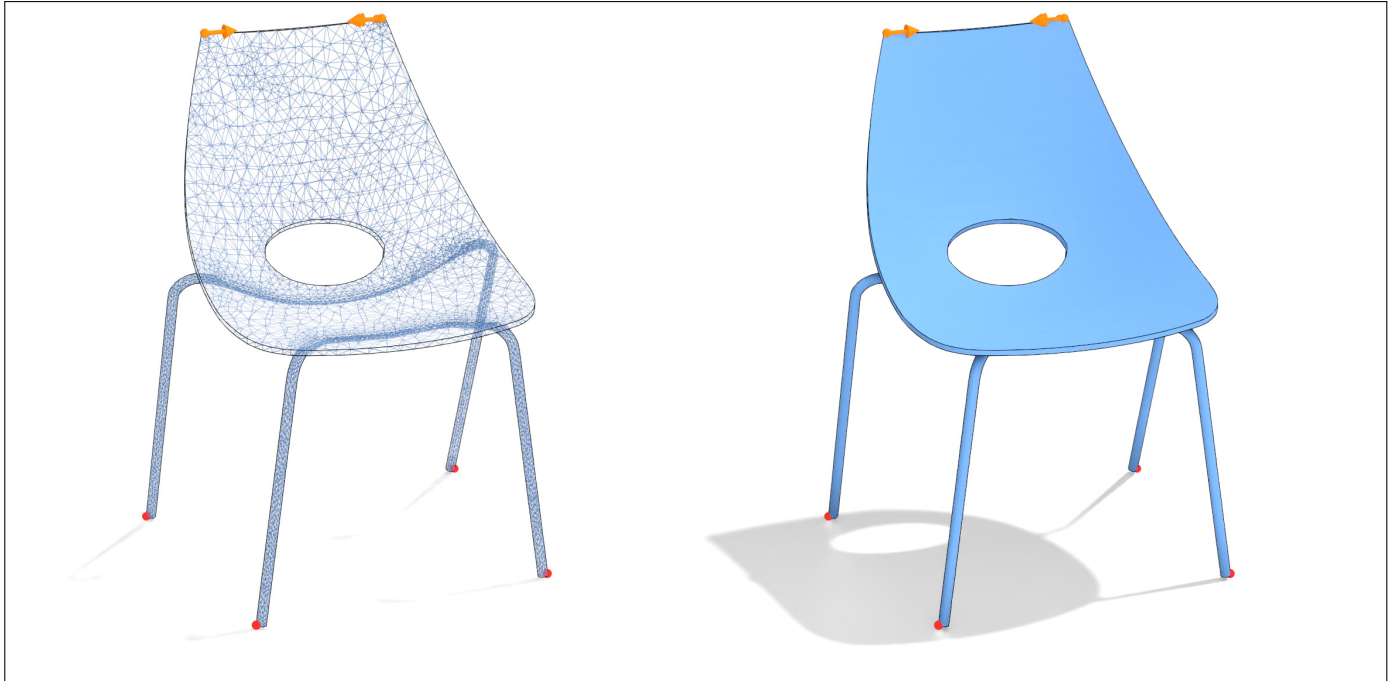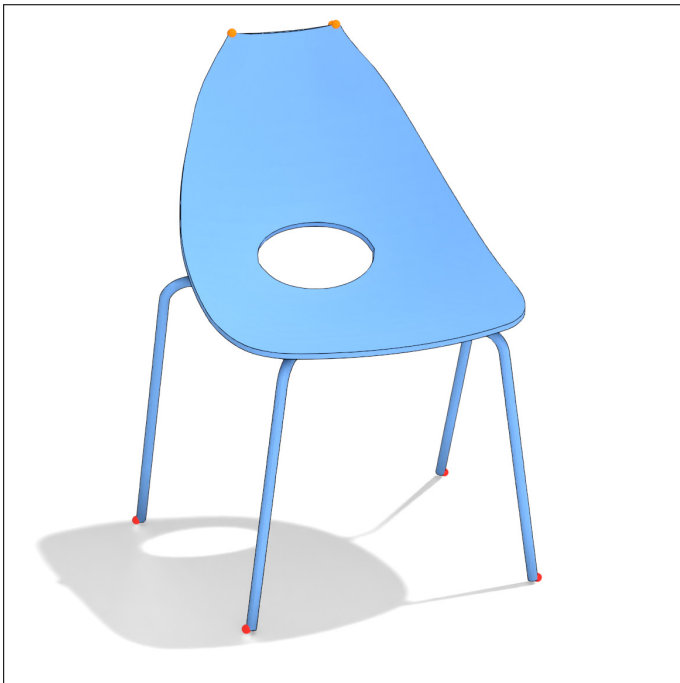

(A)

(B)

(C)

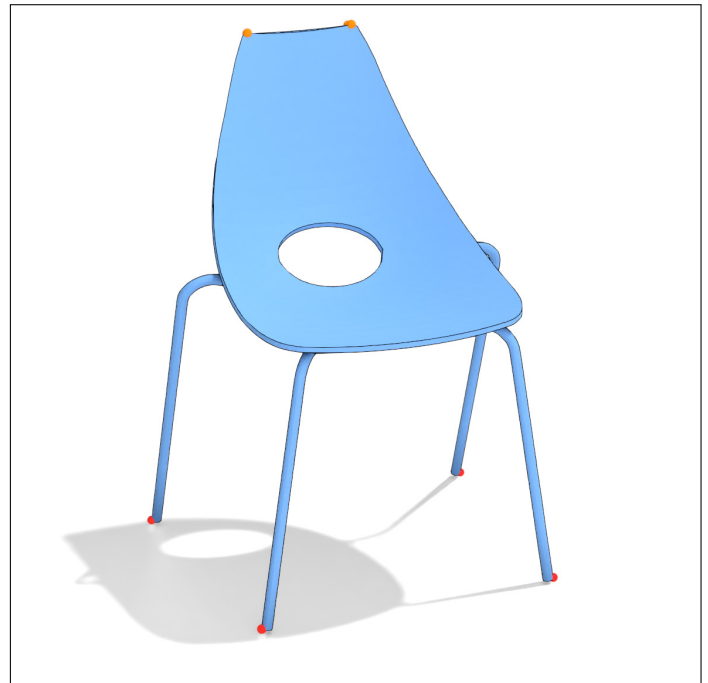○ (B)　○ (C)　○ Both are equally close　○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
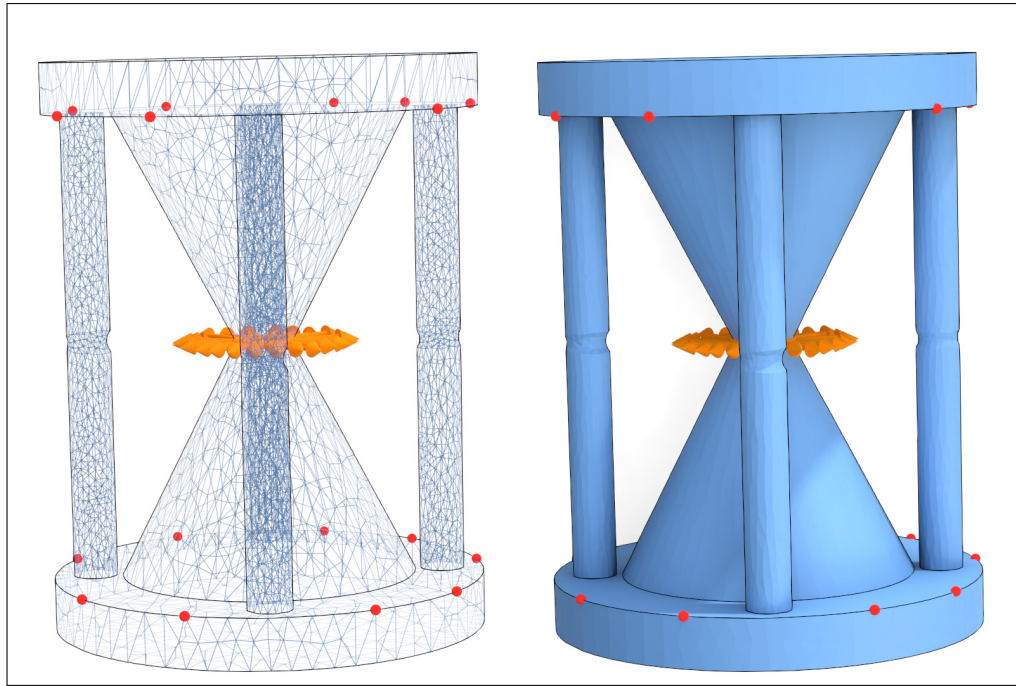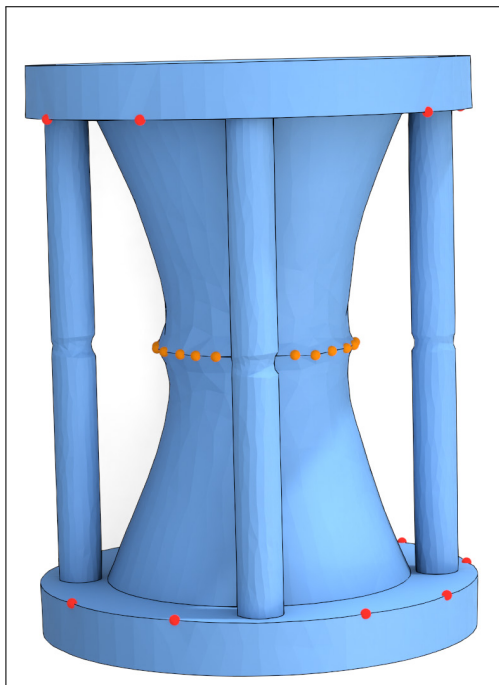

(A)

(B)

(C)

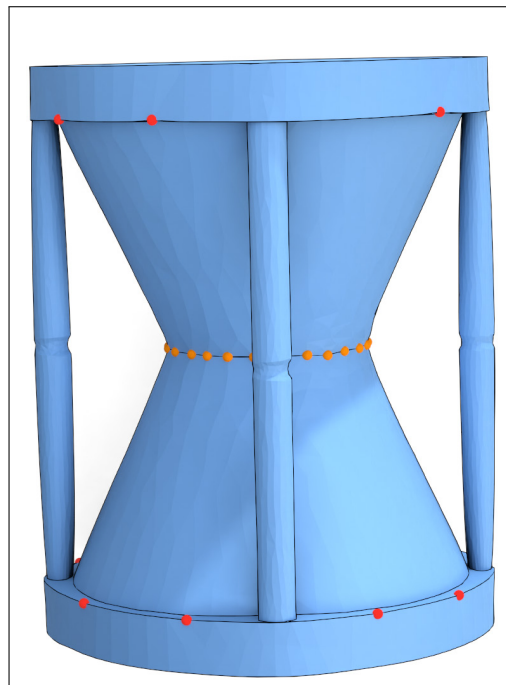○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
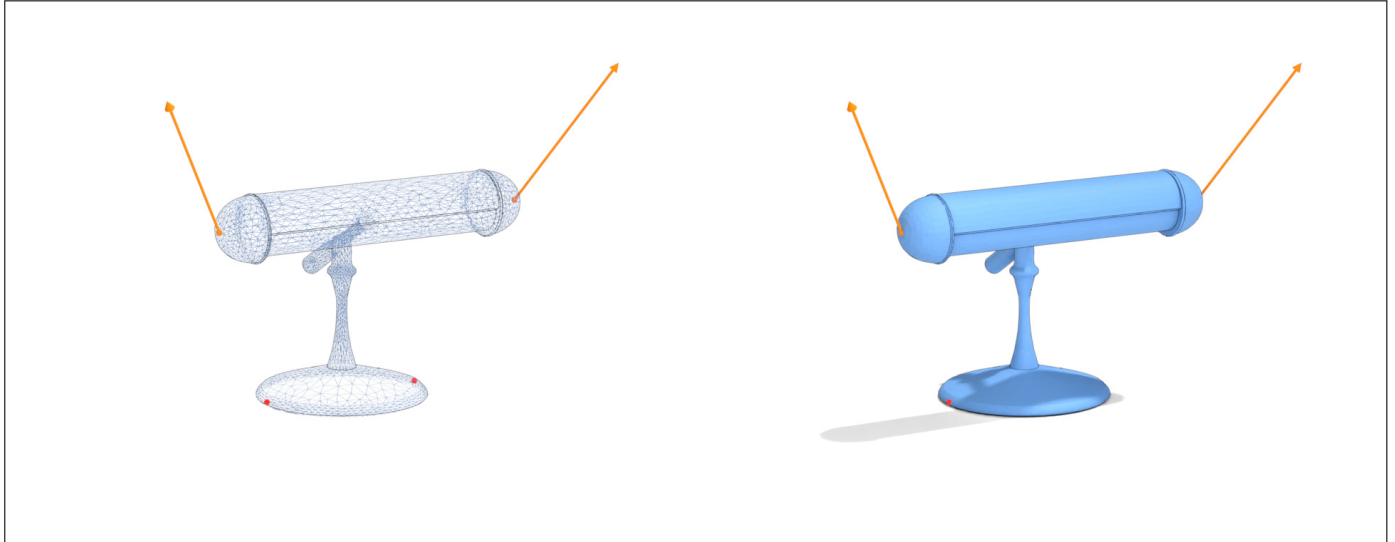

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
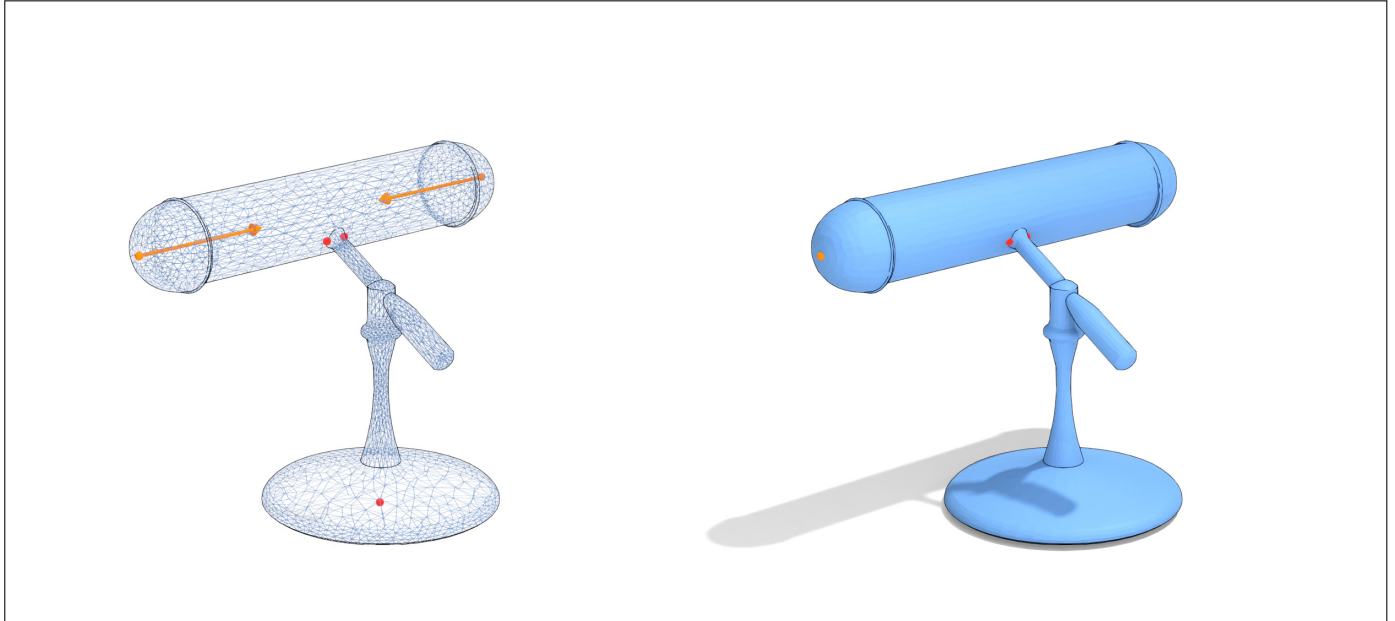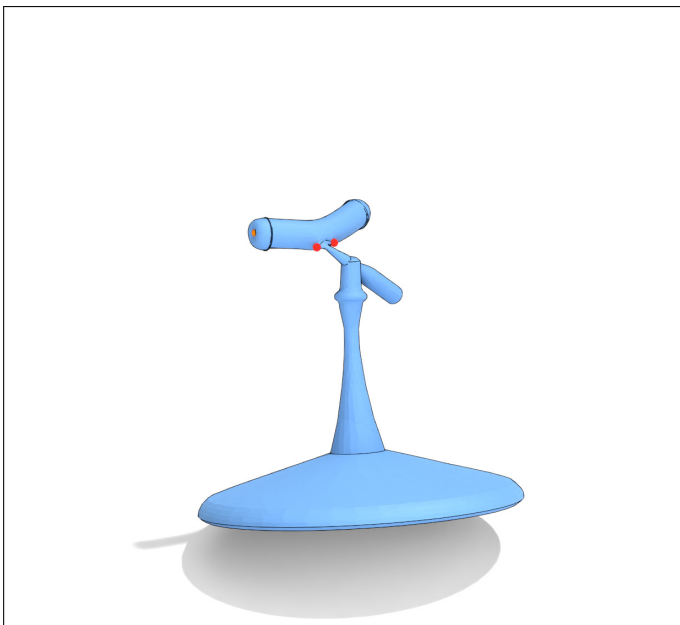

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

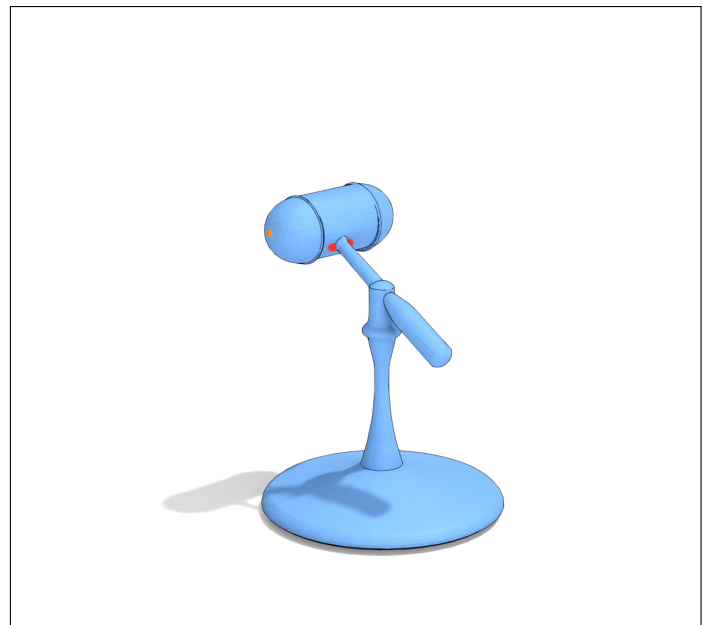## Question 41: Ours: 0, Our 3D ALUP: 0, Both: 6, Neither: 4

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
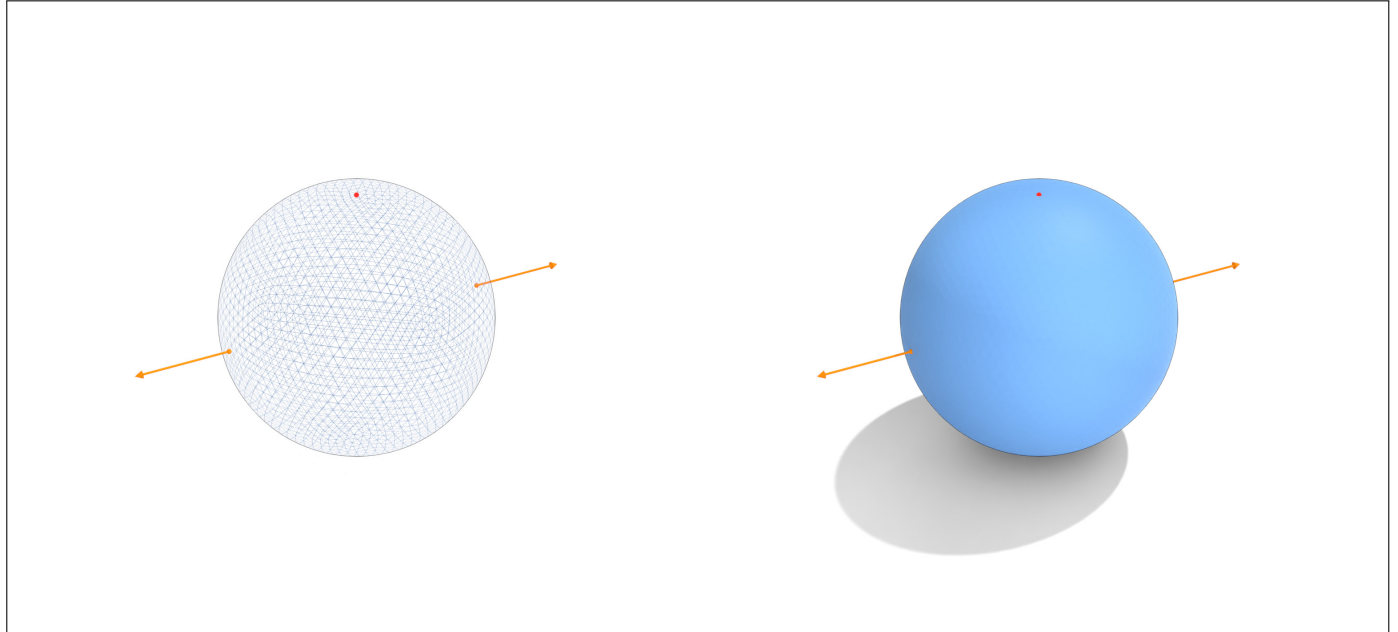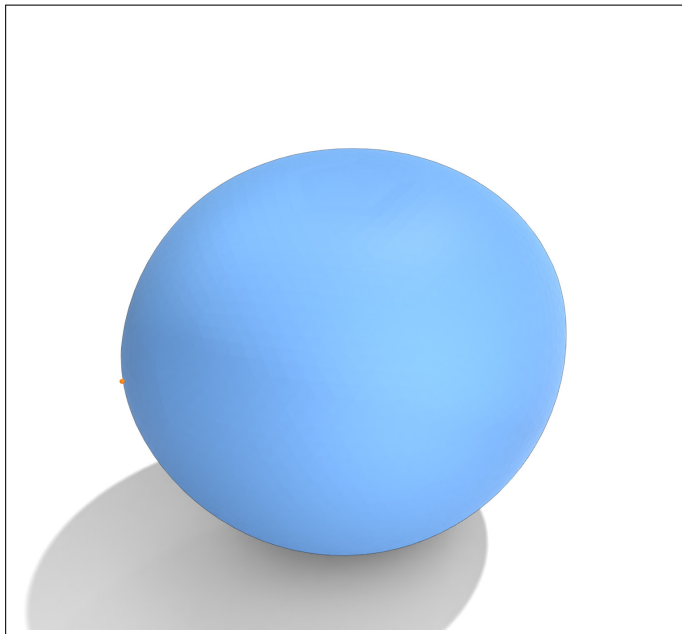

(A)

(B)

(C)

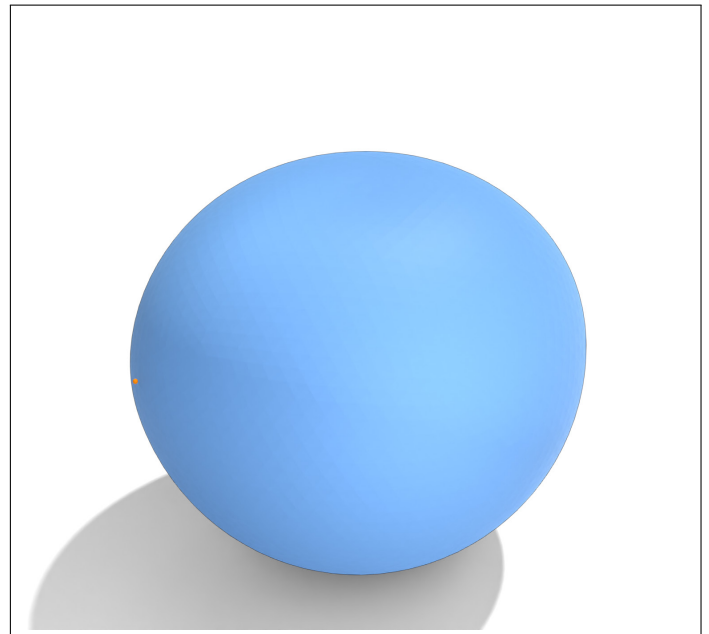○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
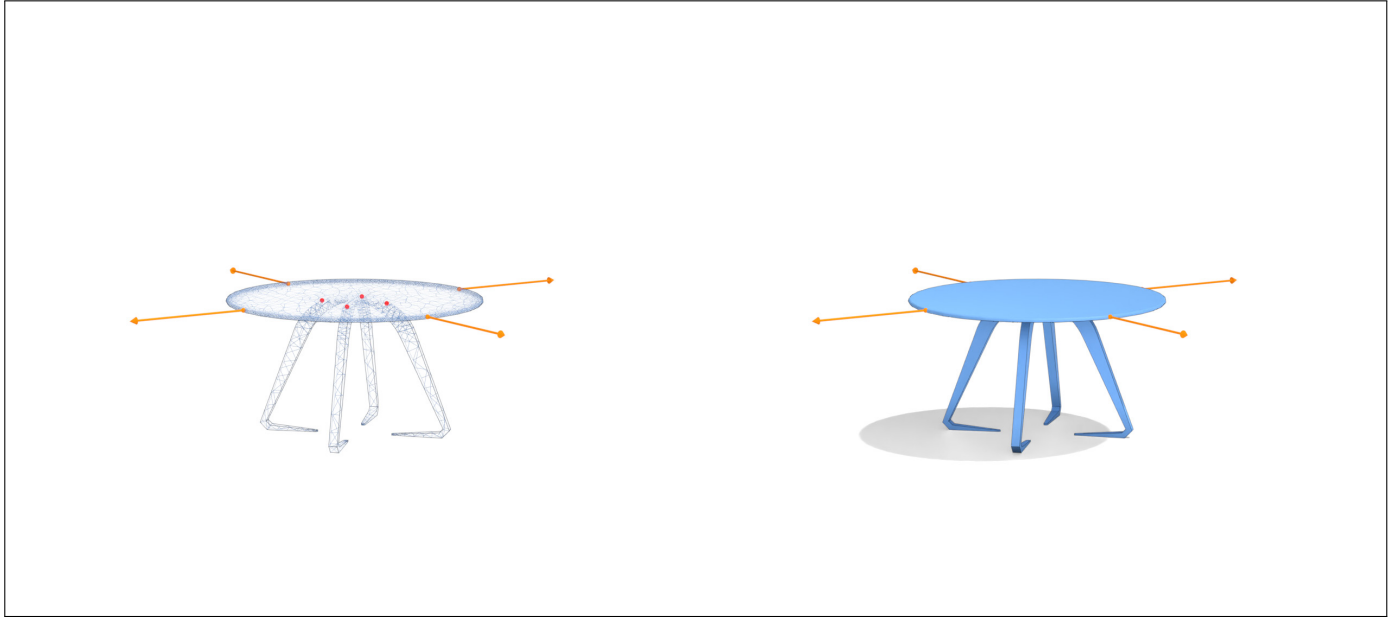

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?

(A)

(B)

(C)

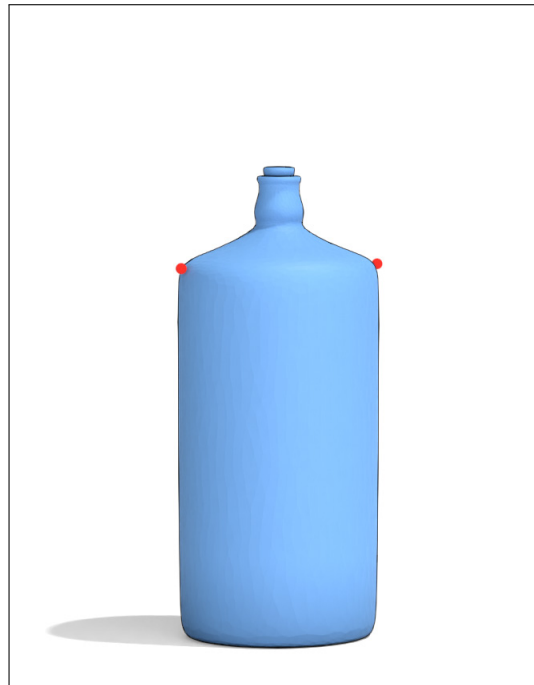○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
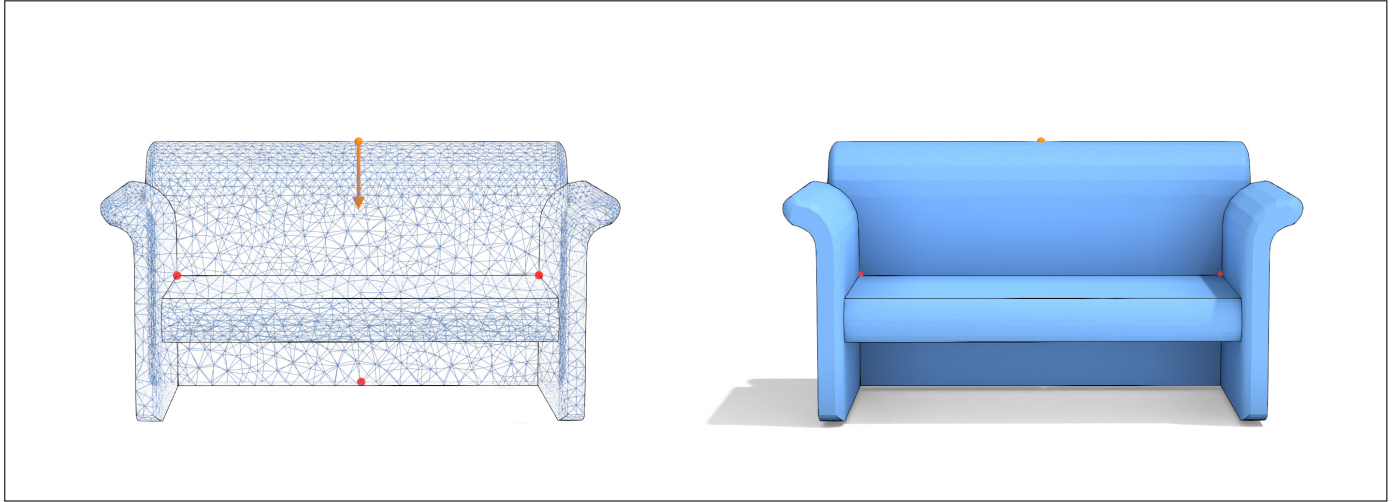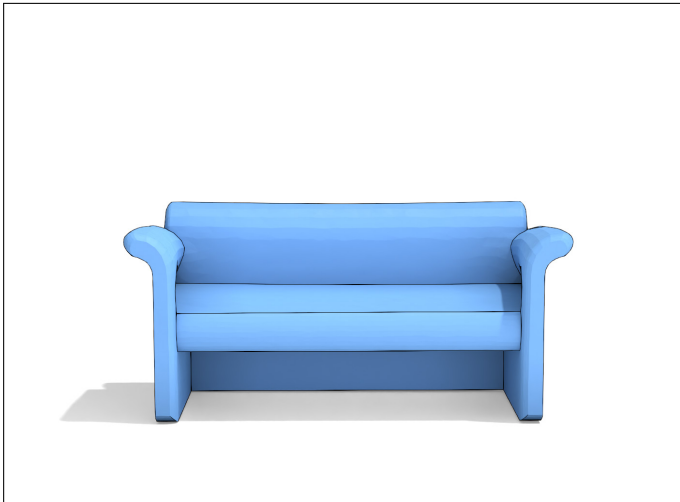

(A)

(B)

(C)

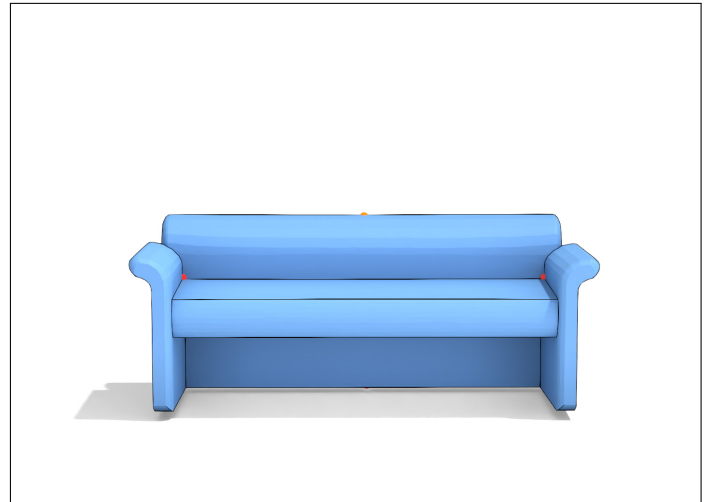○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
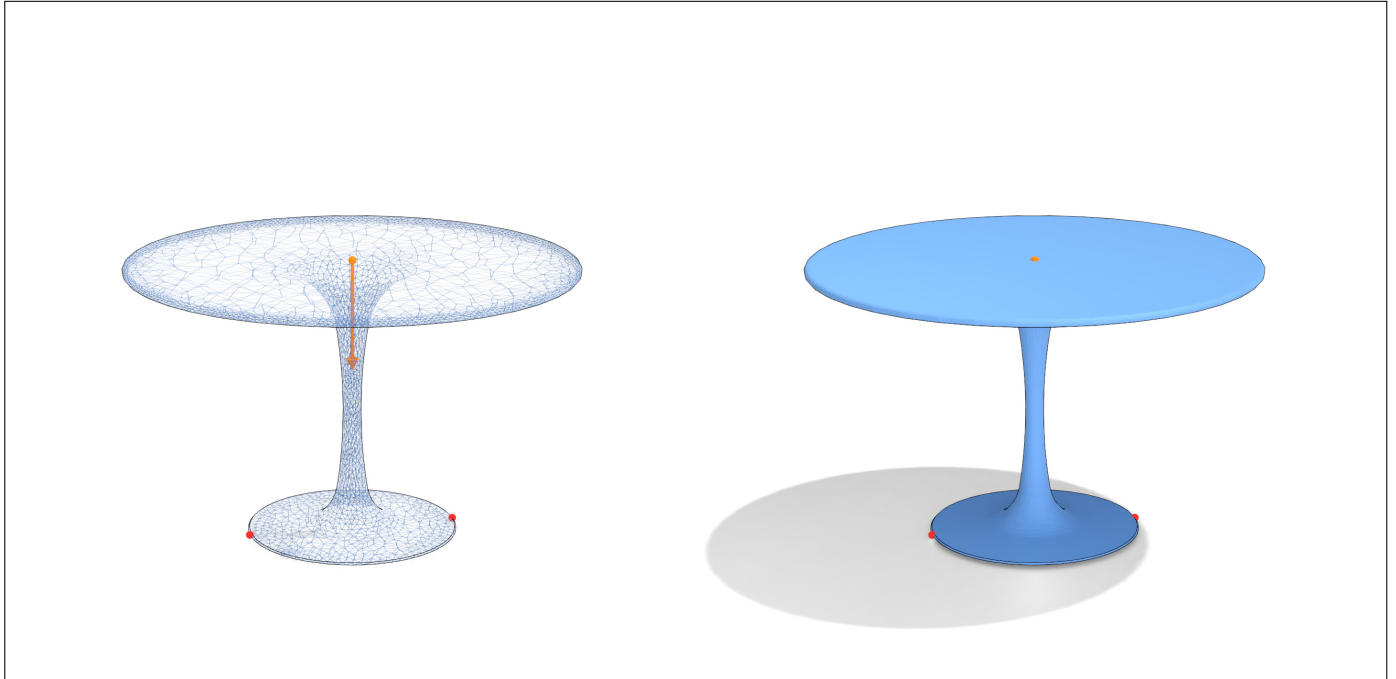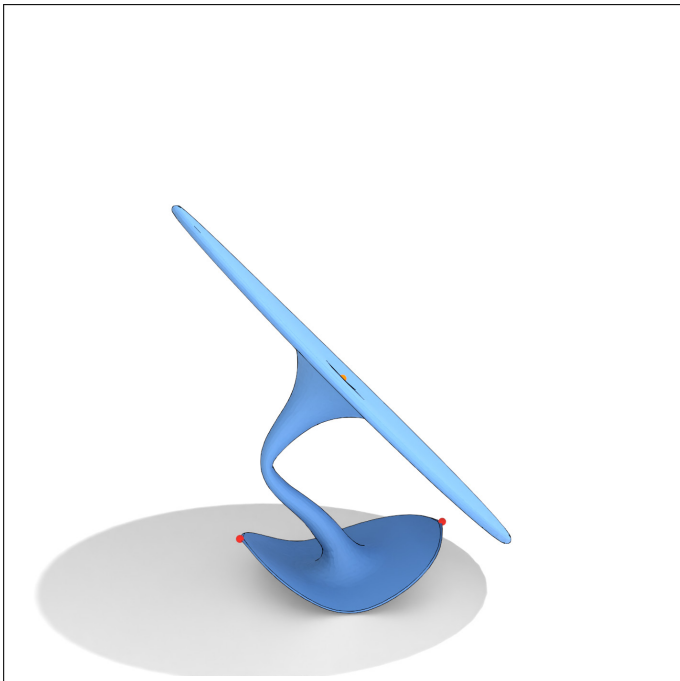

(A)

(B)

(C)

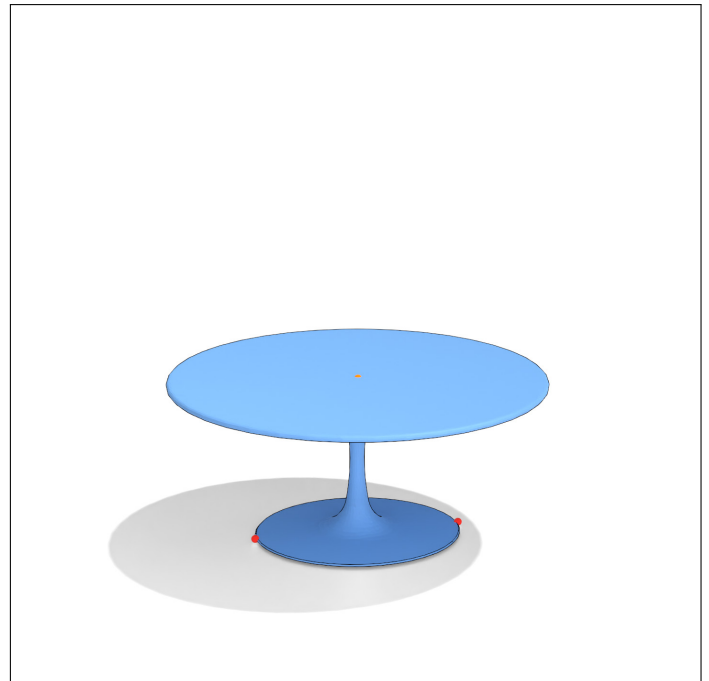○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
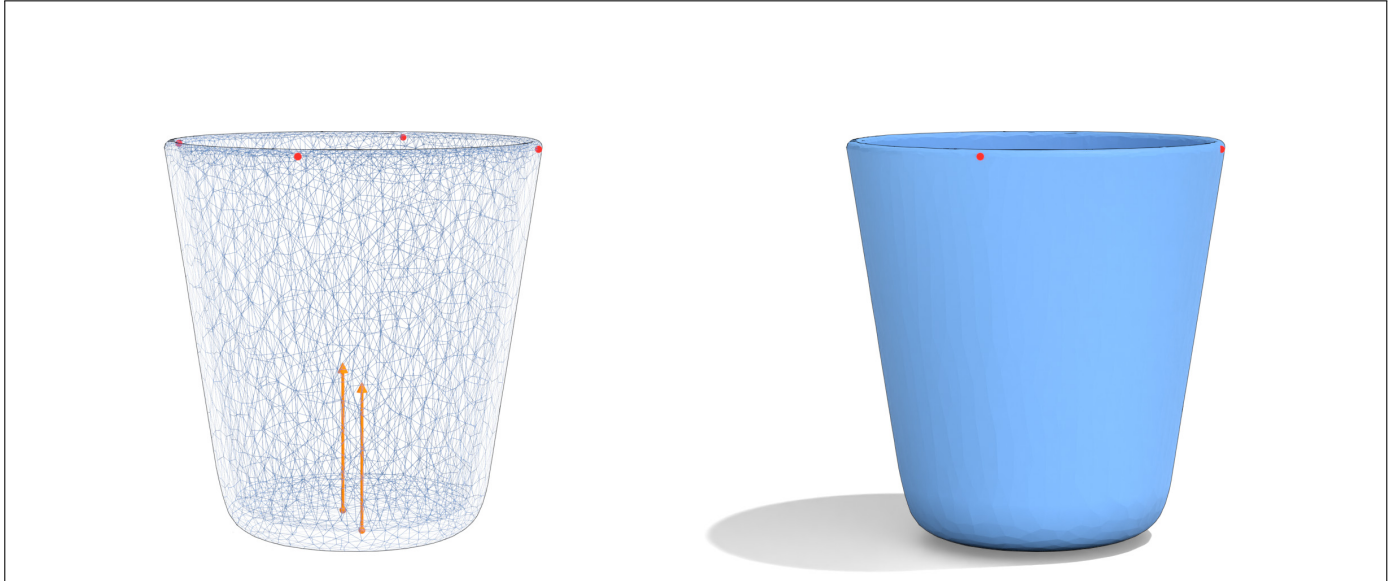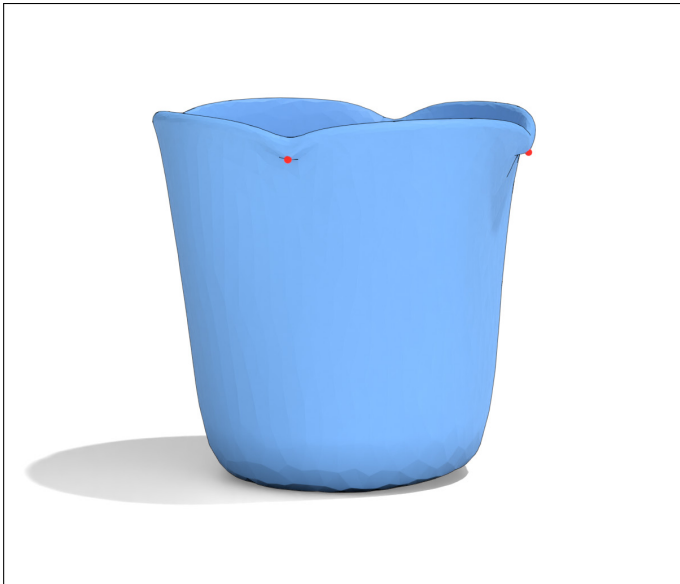

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

Question 47: Ours: 10, Our 3D ALUP: 0, Both: 0, Neither: 0
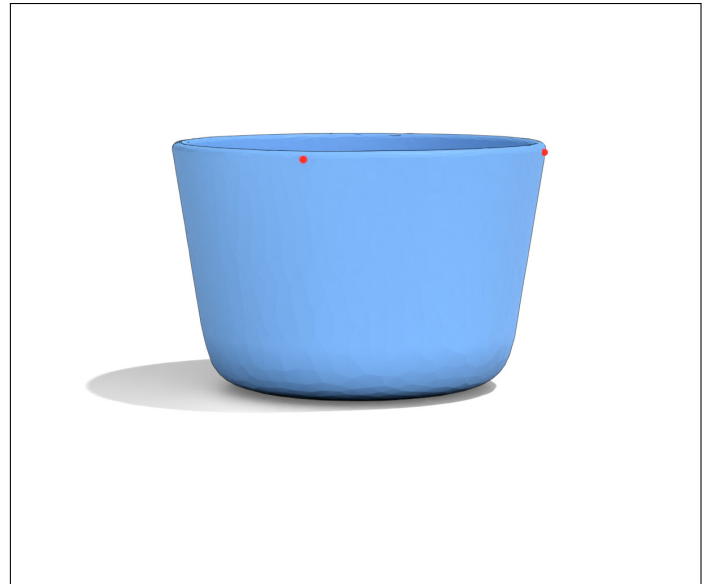
The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
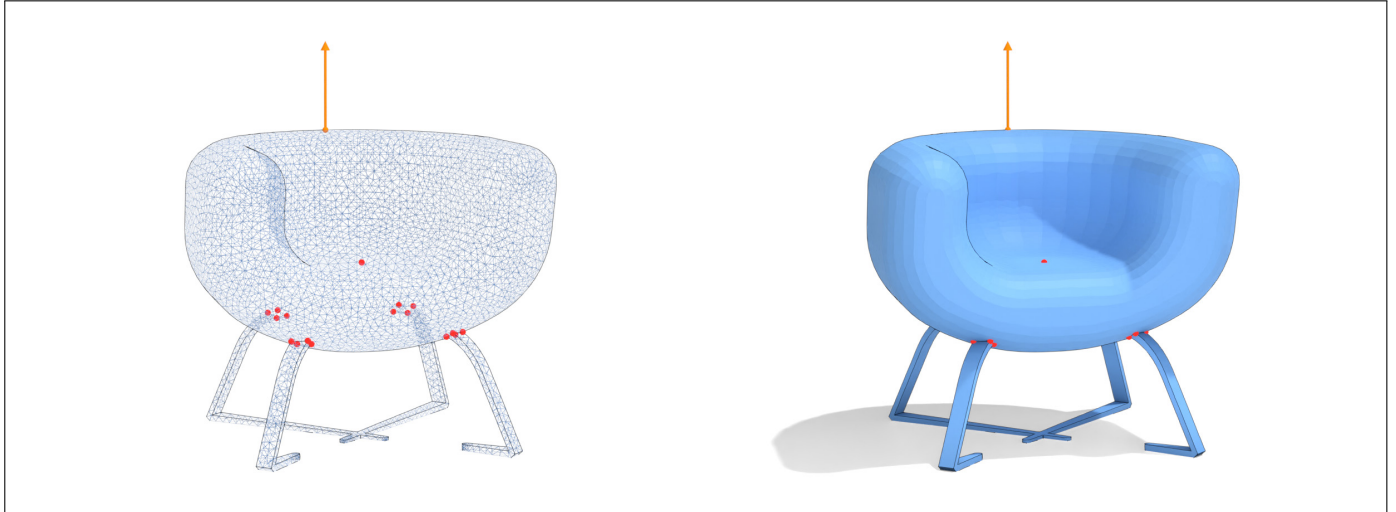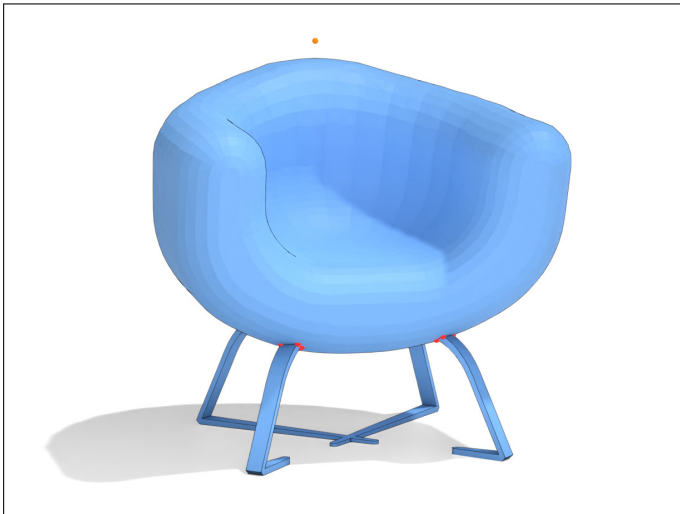

(A)

(B)

(C)

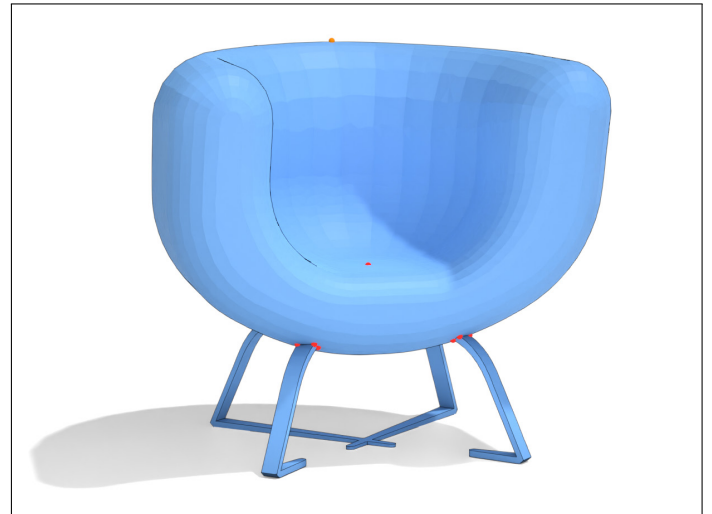○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
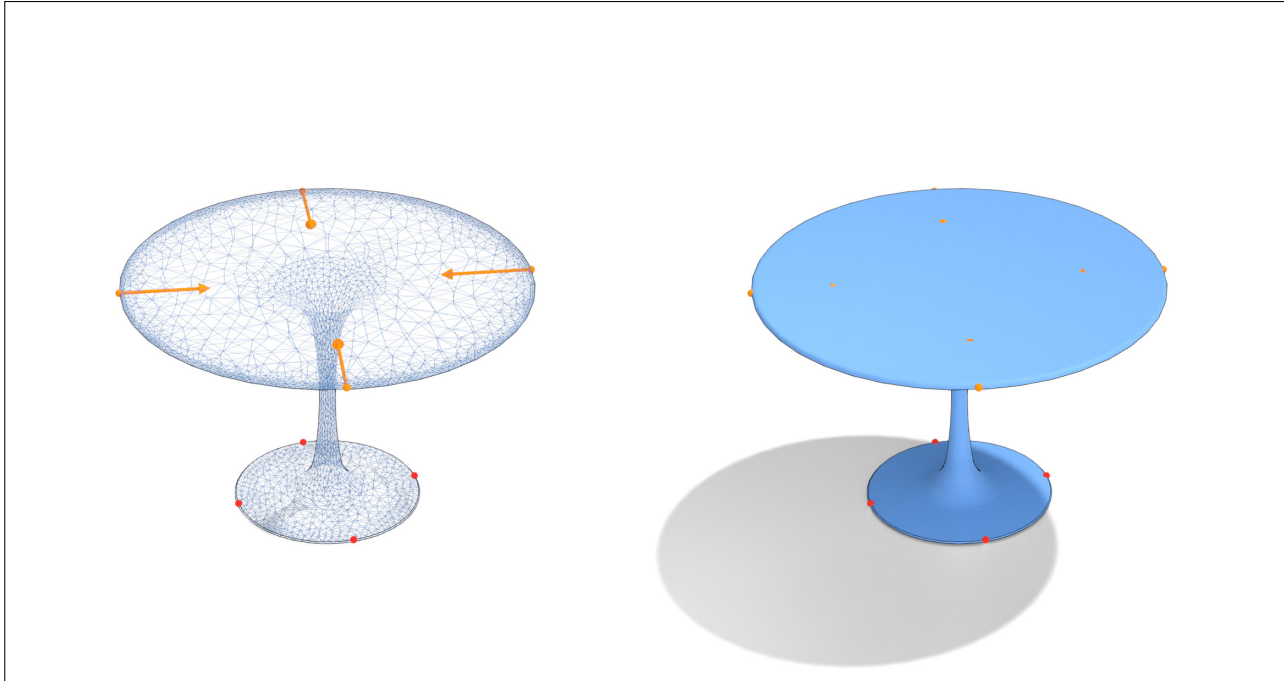

(A)

(B)

(C)

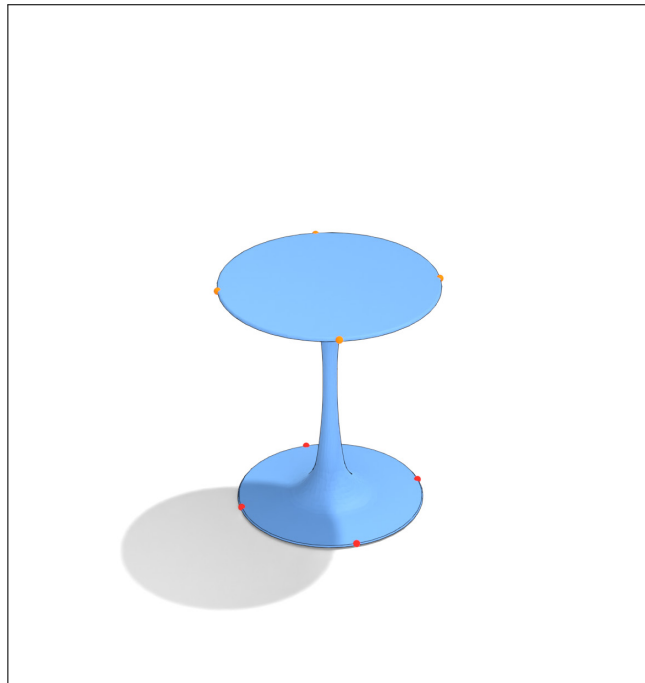○ (B) ○ (C) ○ Both are equally close ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
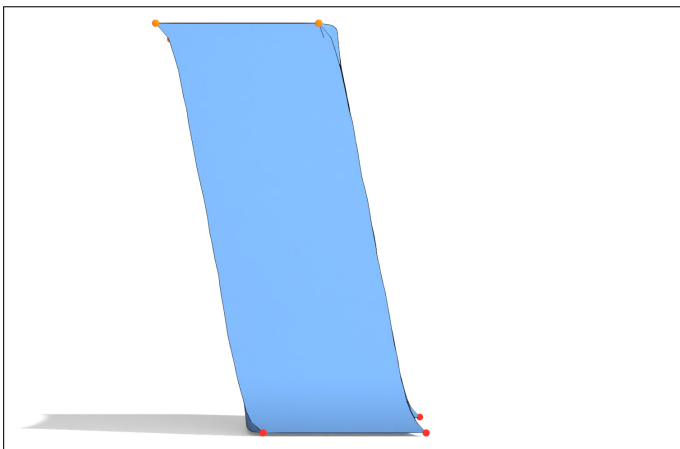

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

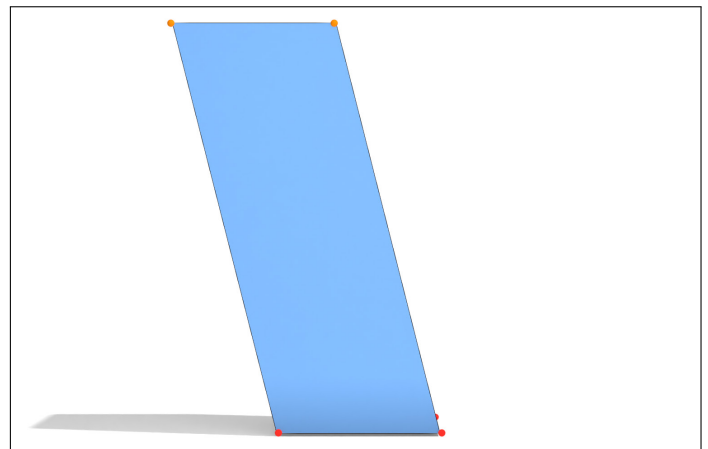# Question 50: Ours: 8, Conformal: 0, Both: 0, Neither: 2

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
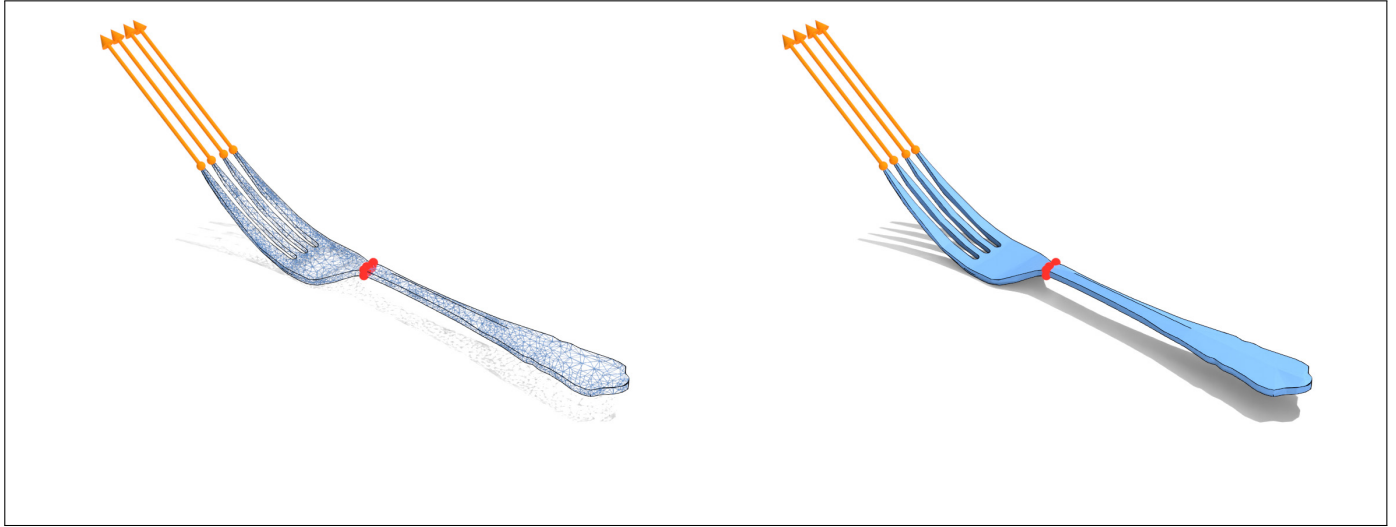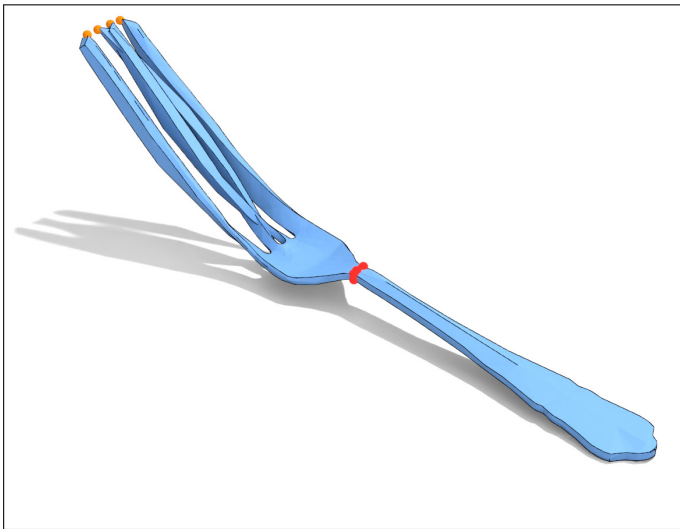

(A)

(B)

(C)

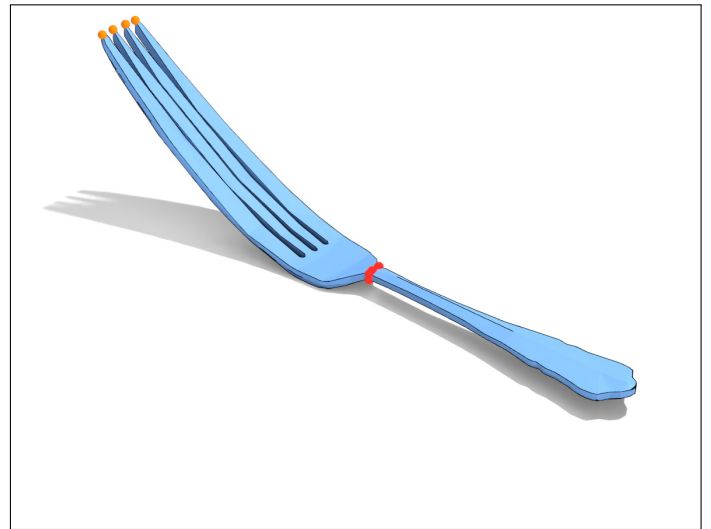○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
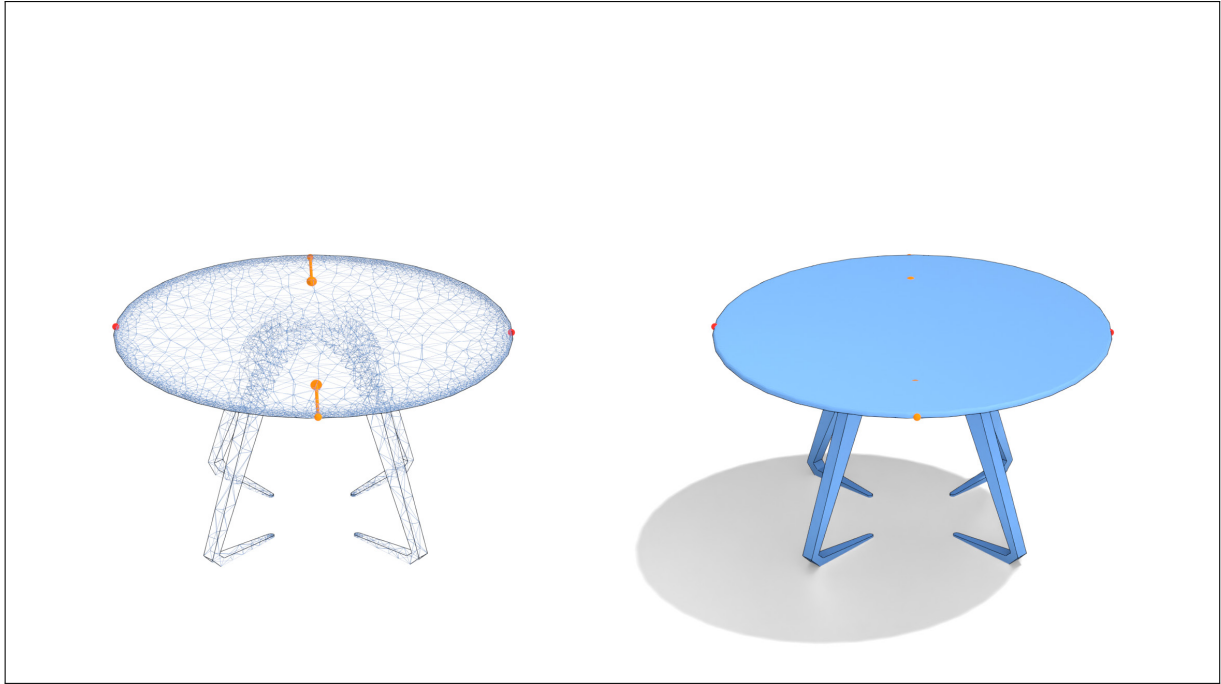

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
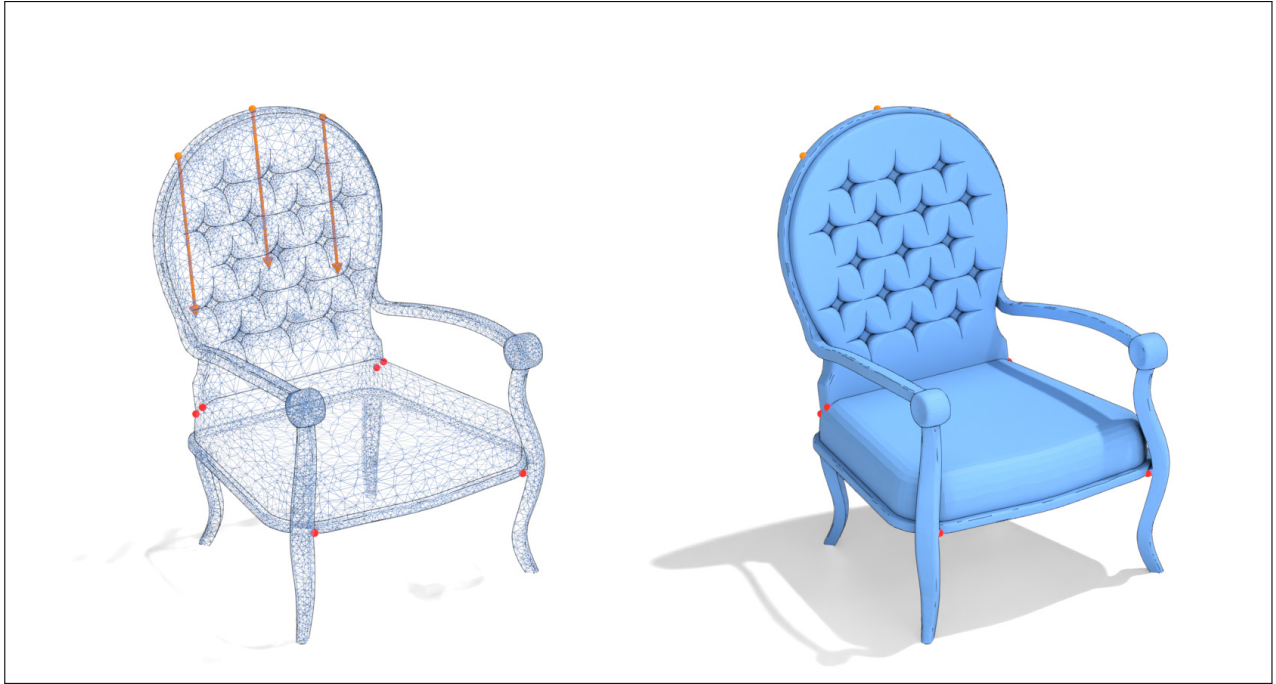

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
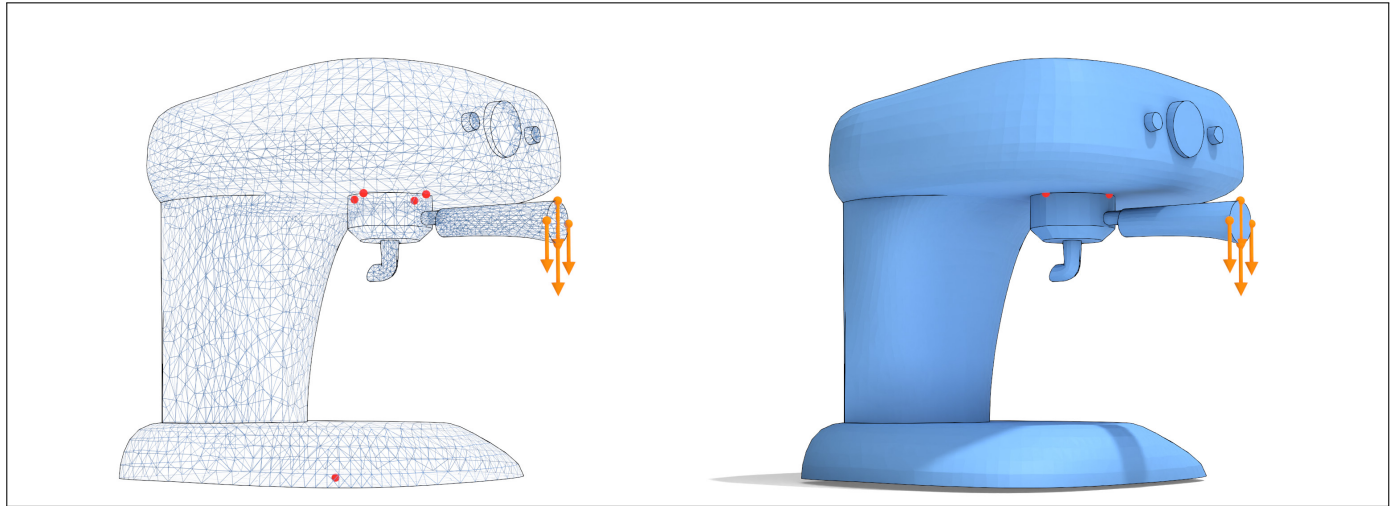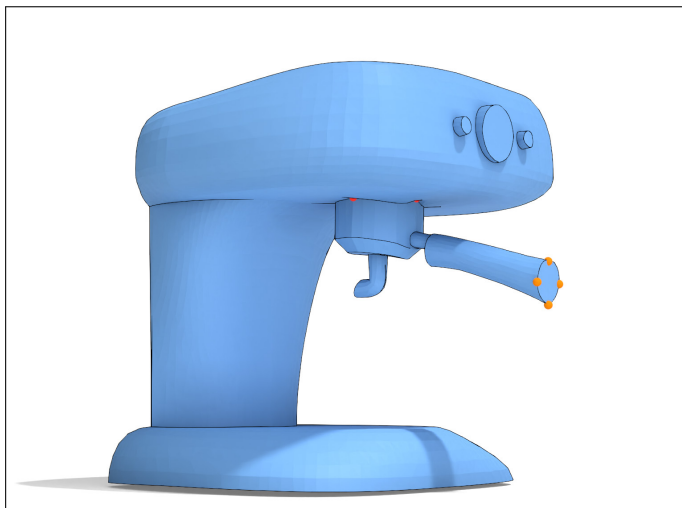

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

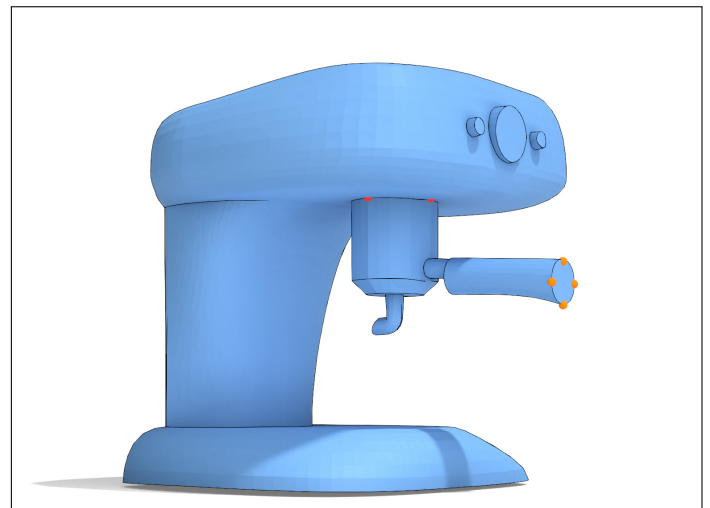## Question 54: Ours: 0, Conformal: 0, Both: 9, Neither: 1

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
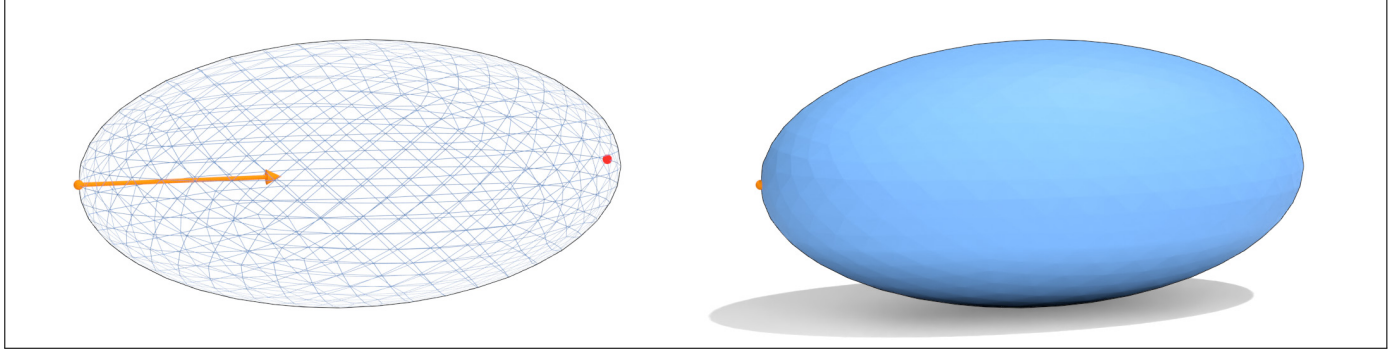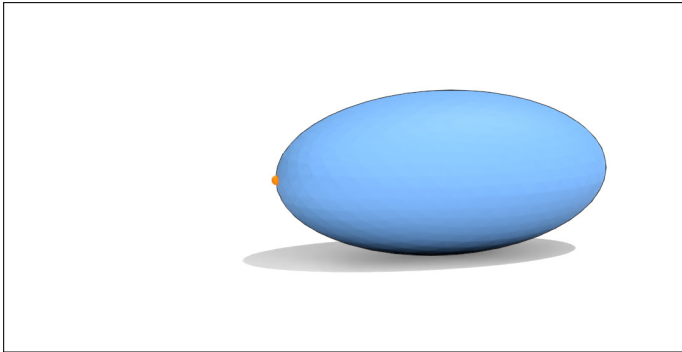

(A)

(B)

(C)

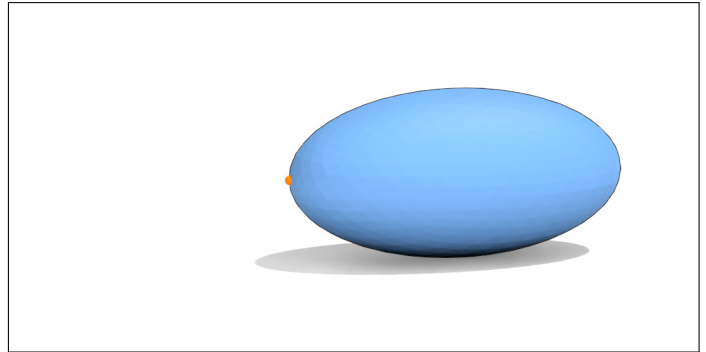○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
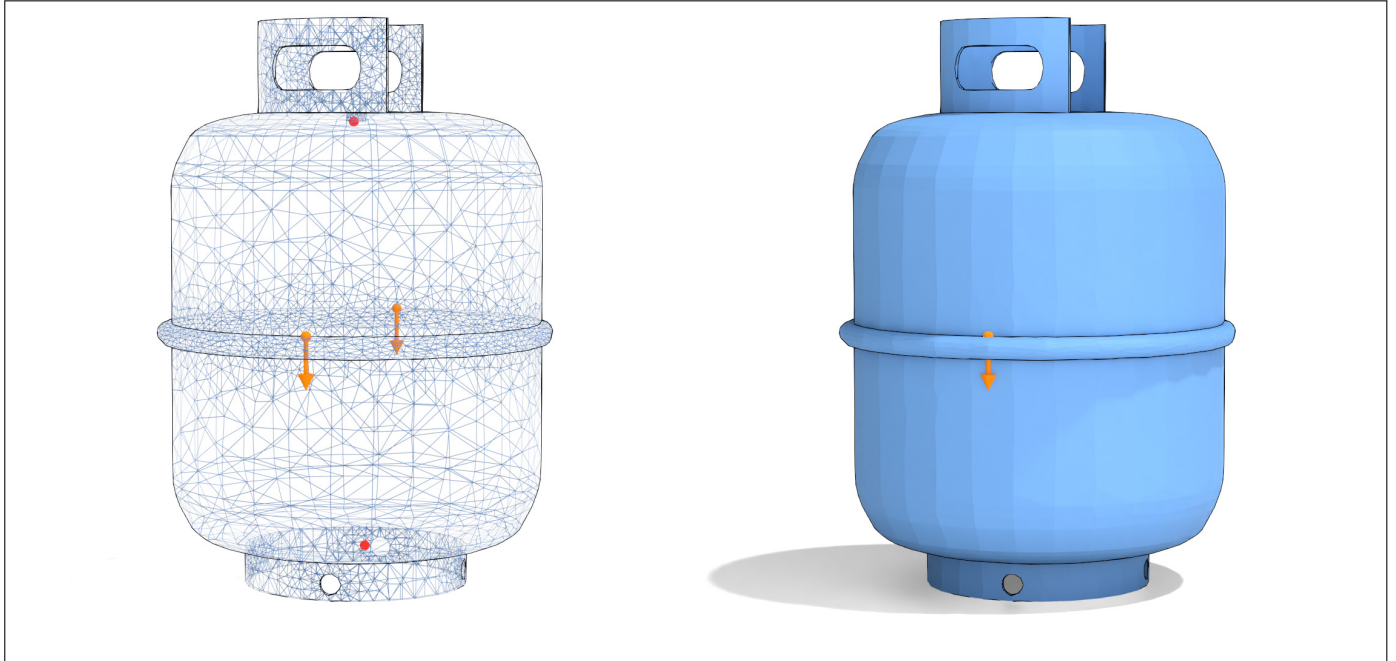

(A)

(B)

(C)

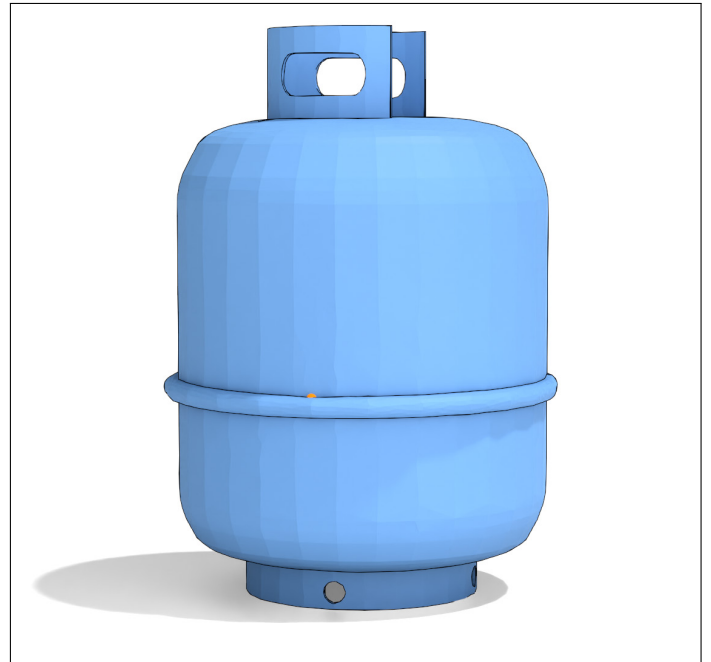○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
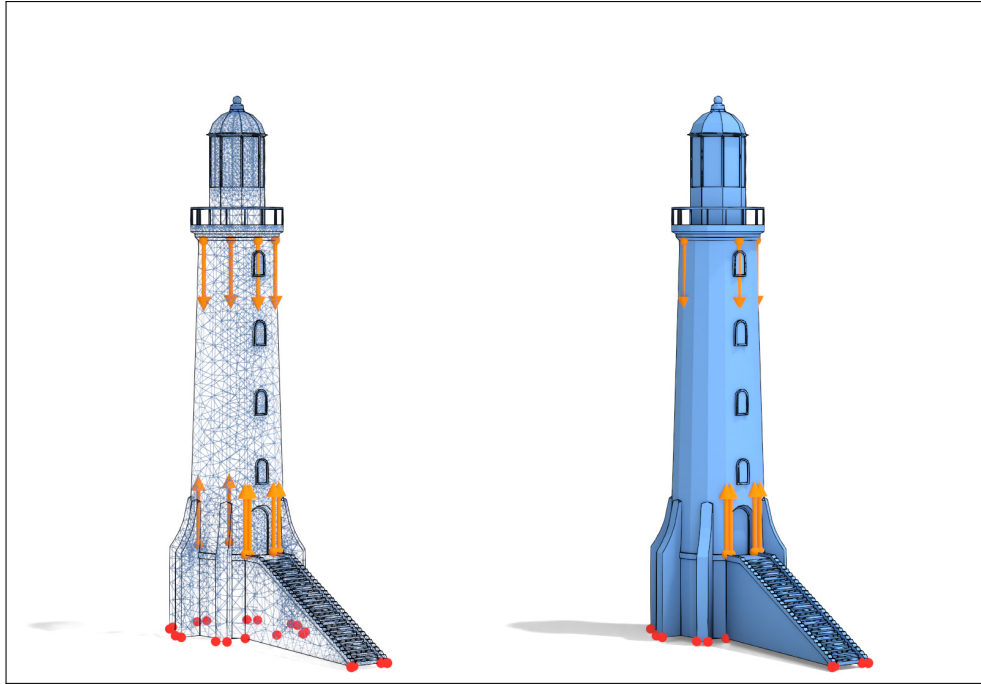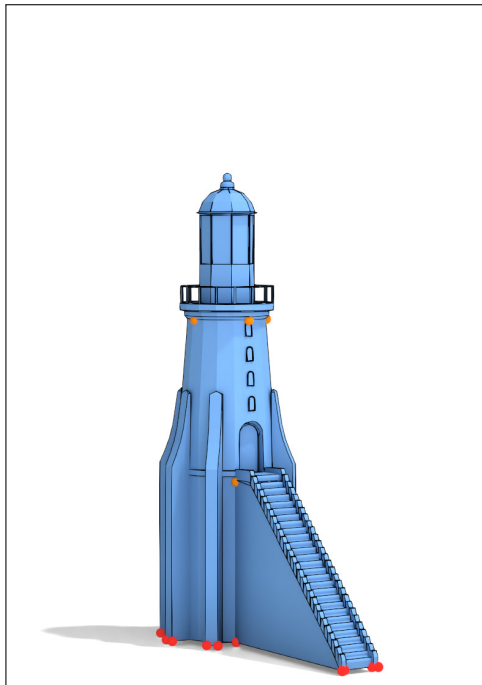

(A)

(B)

(C)

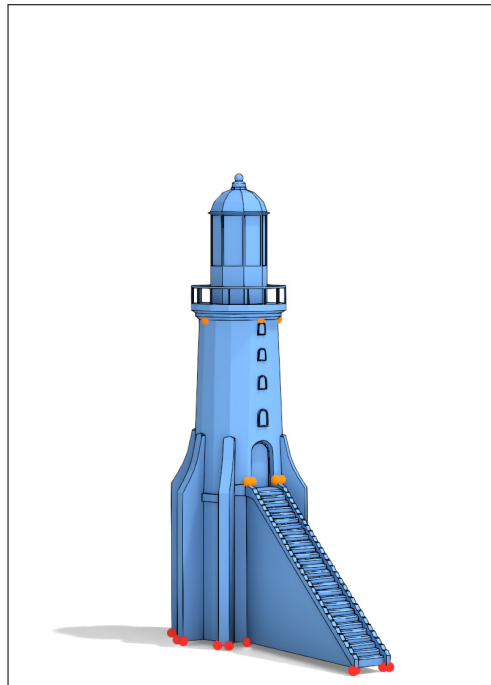○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
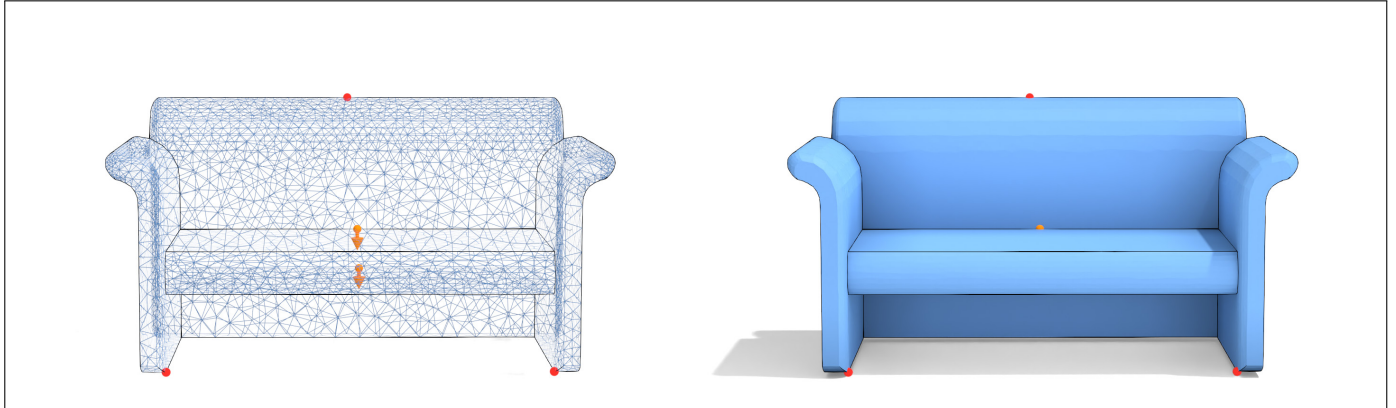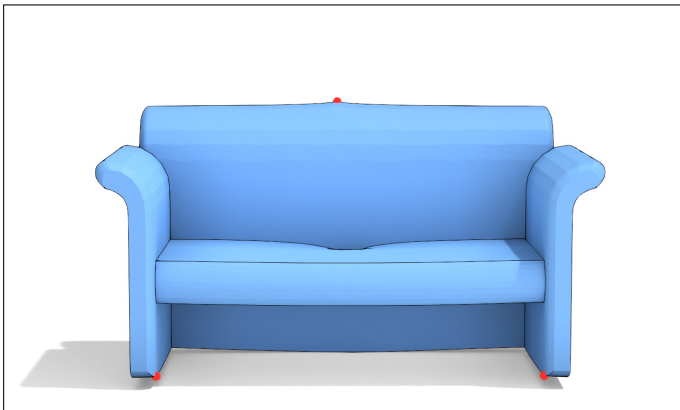

(A)

(B)

(C)

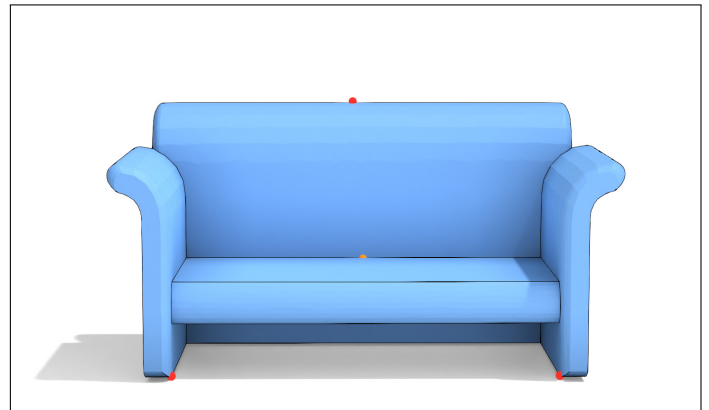◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
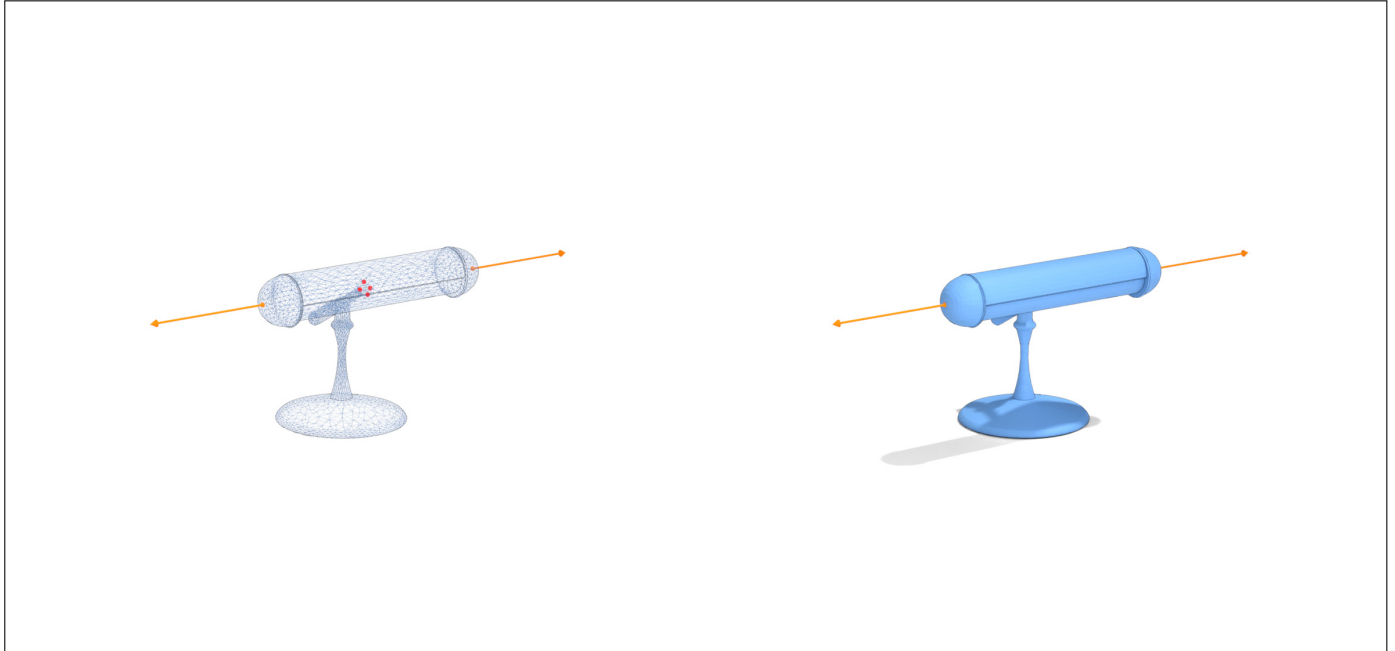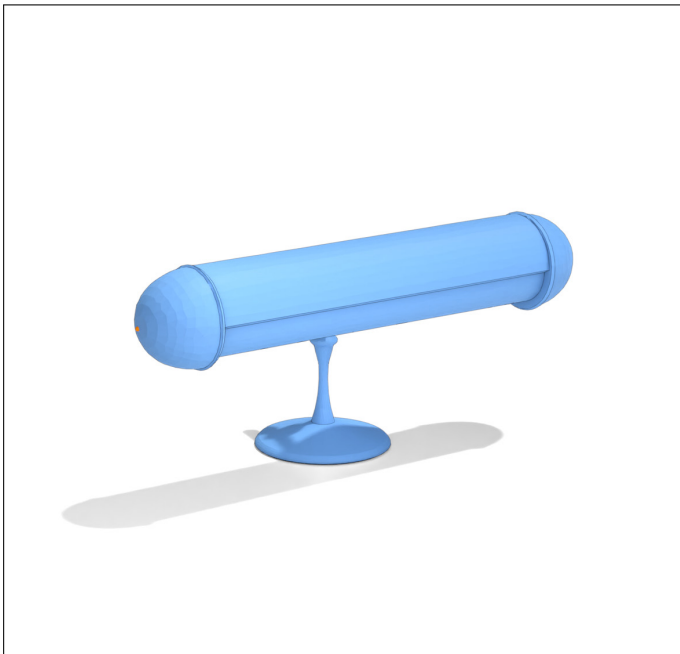

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
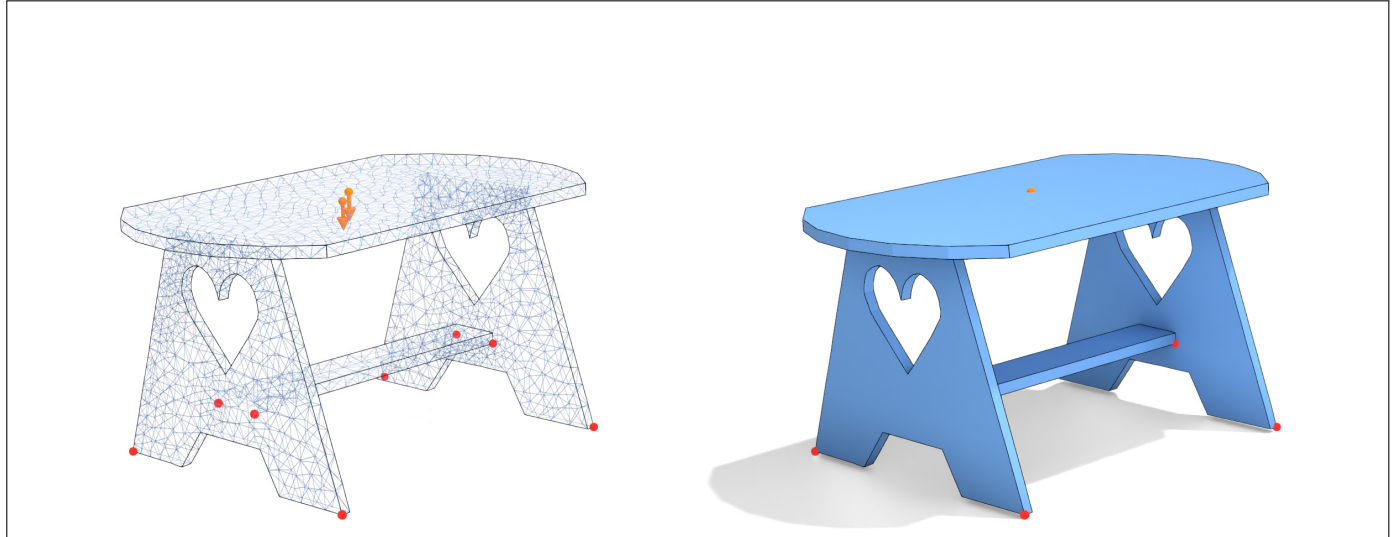

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
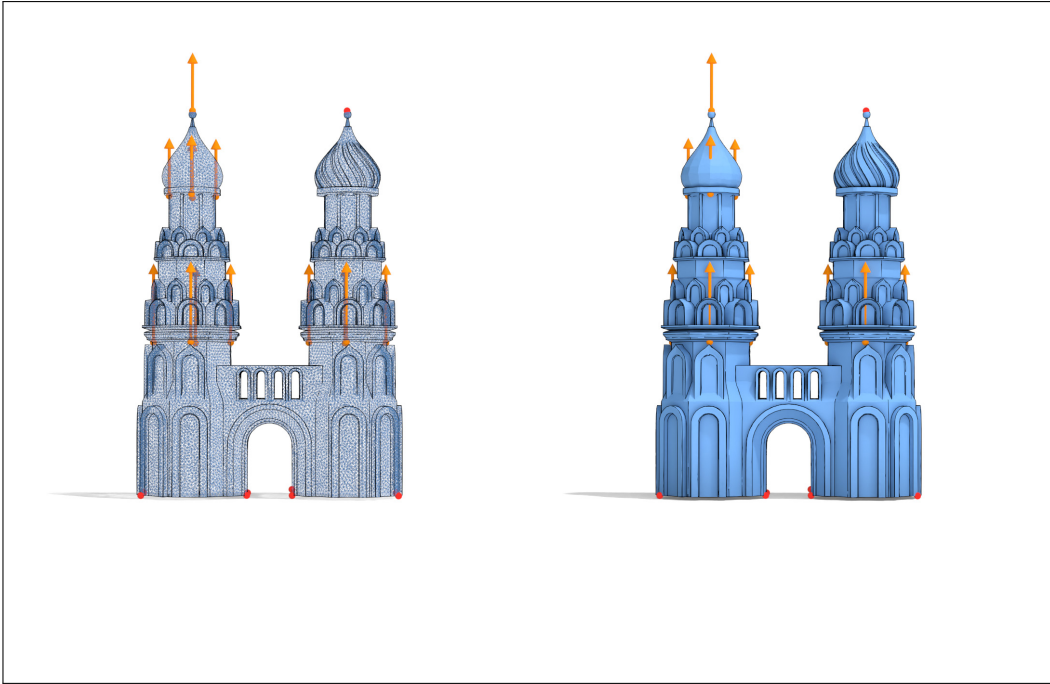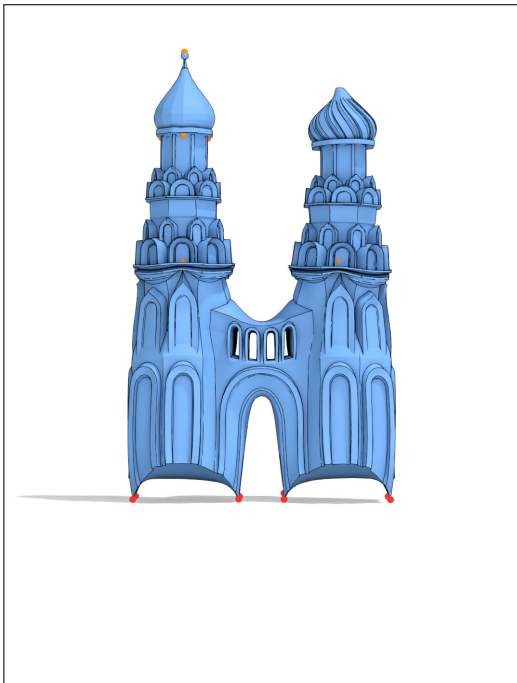

(A)

(B)

(C)

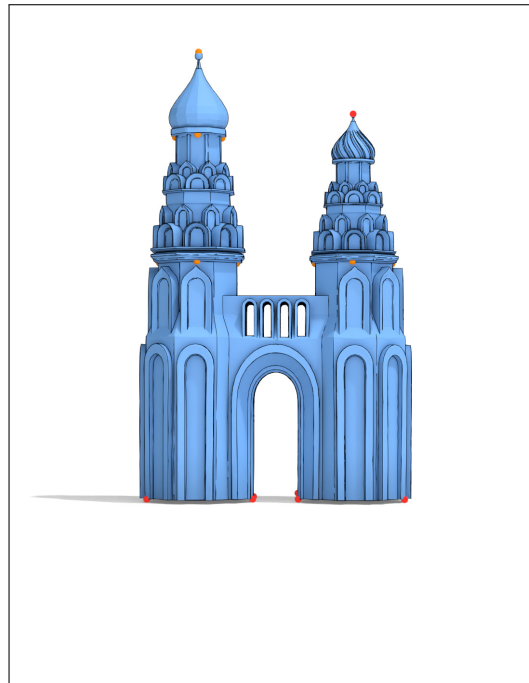○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
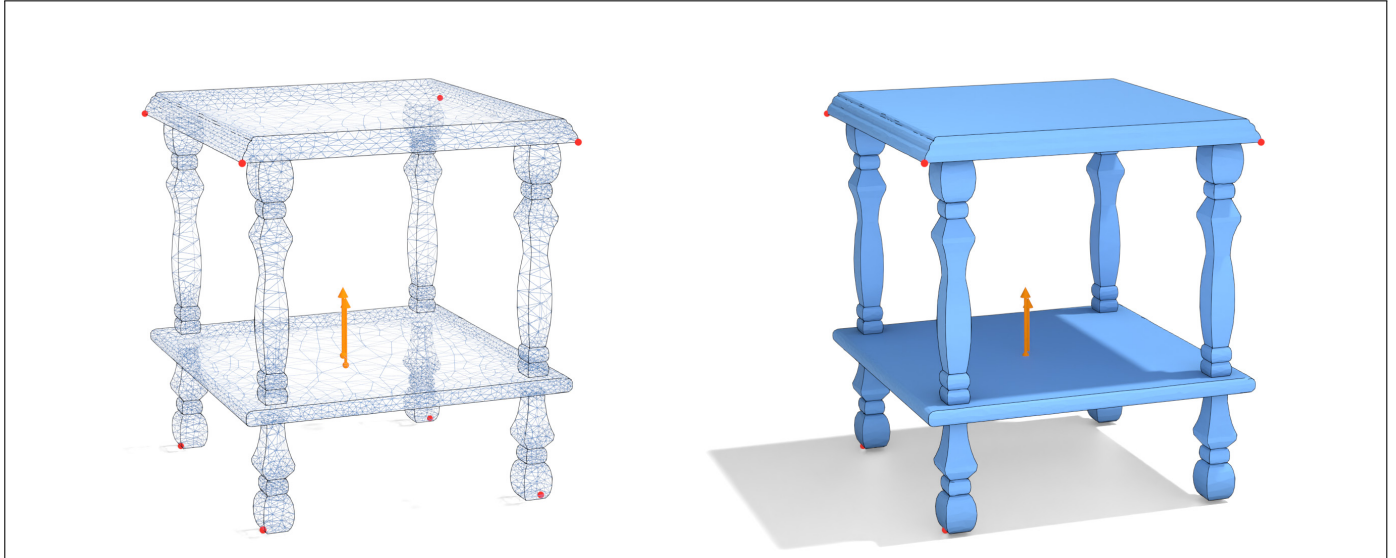

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
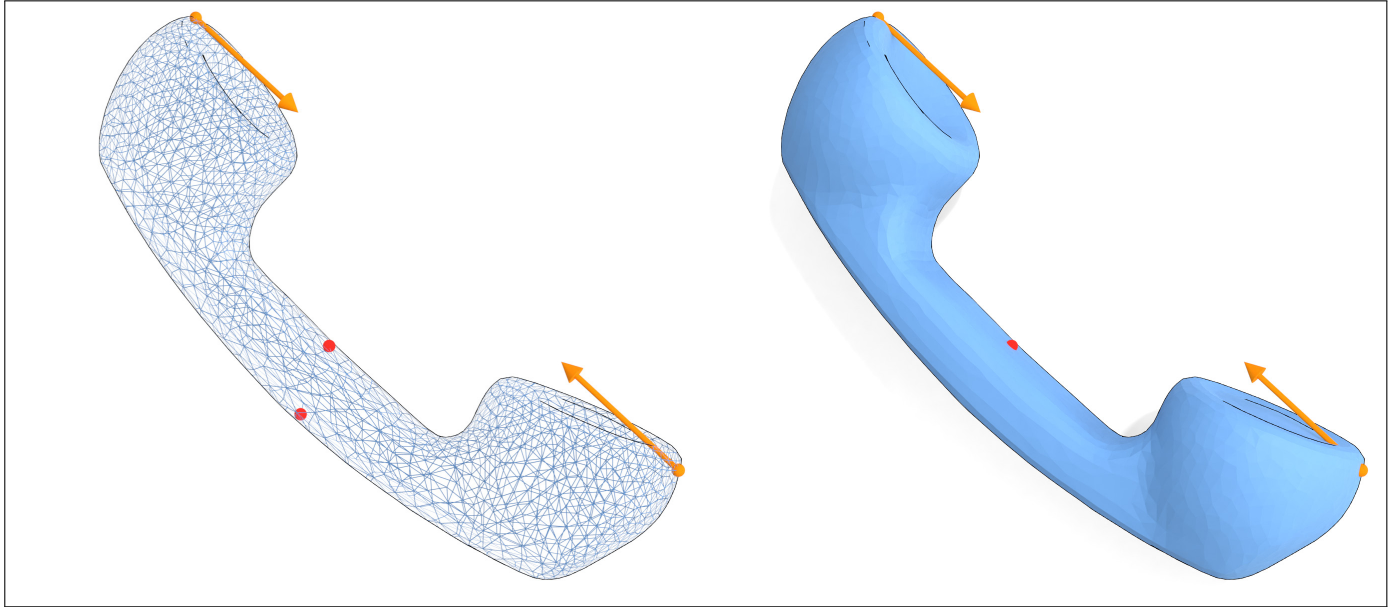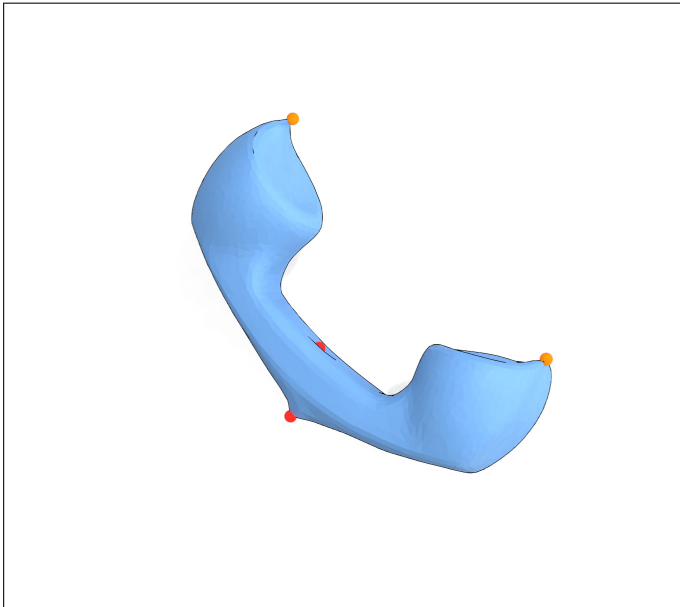

(A)

(B)

(C)

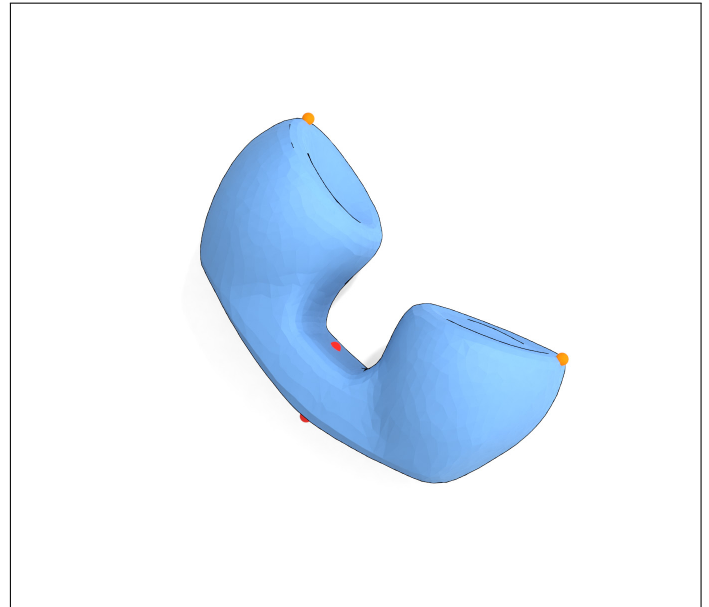○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
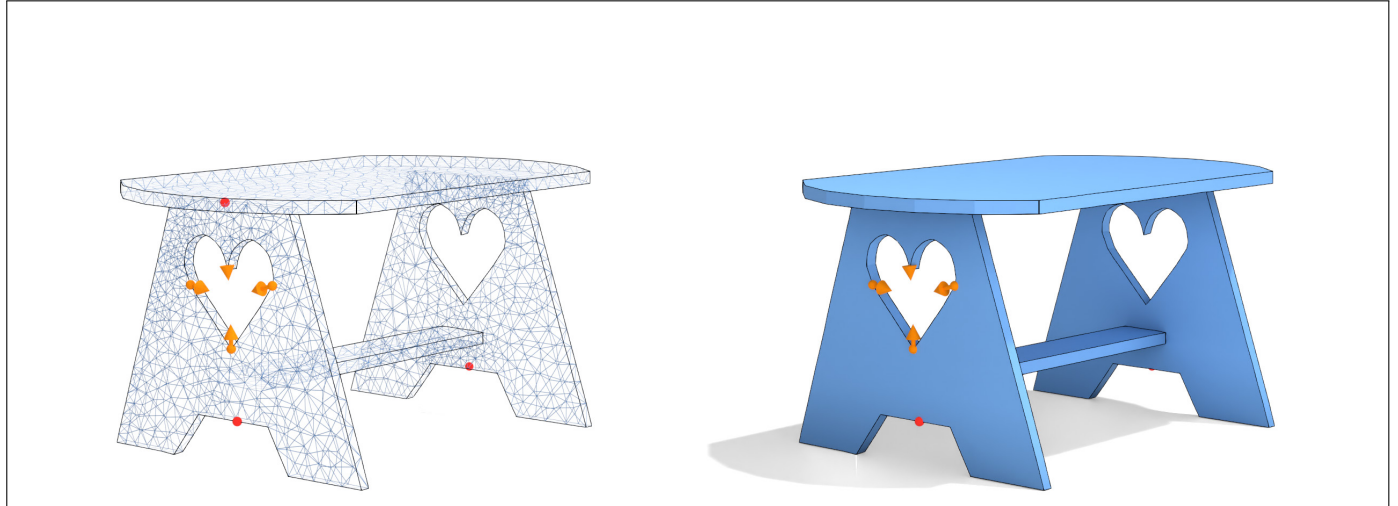

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
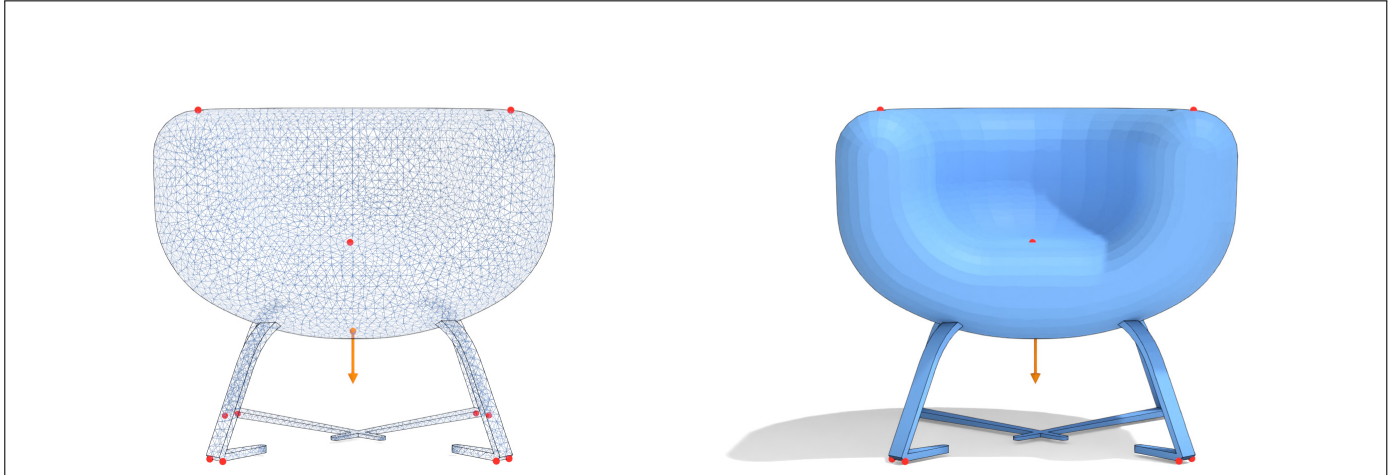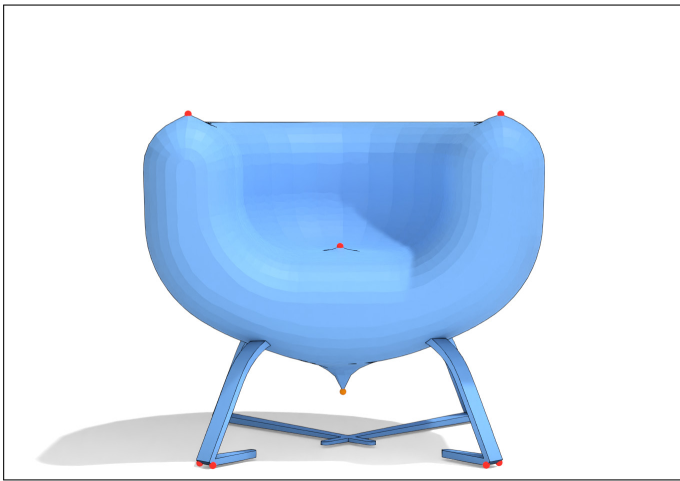

(A)

(B)

(C)

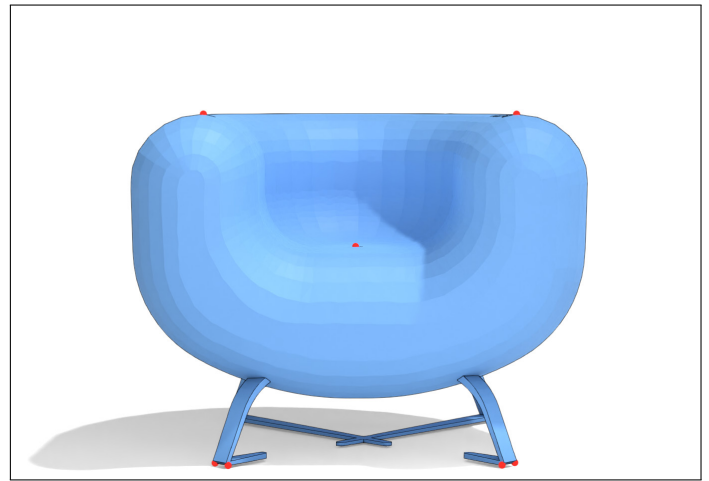○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
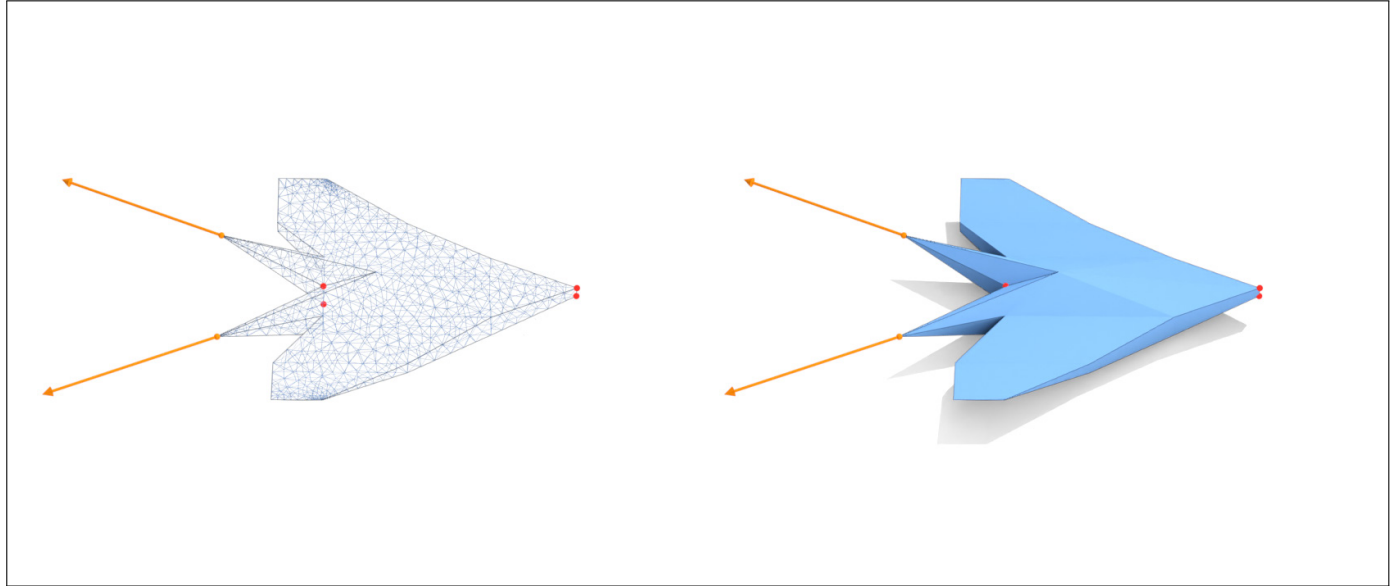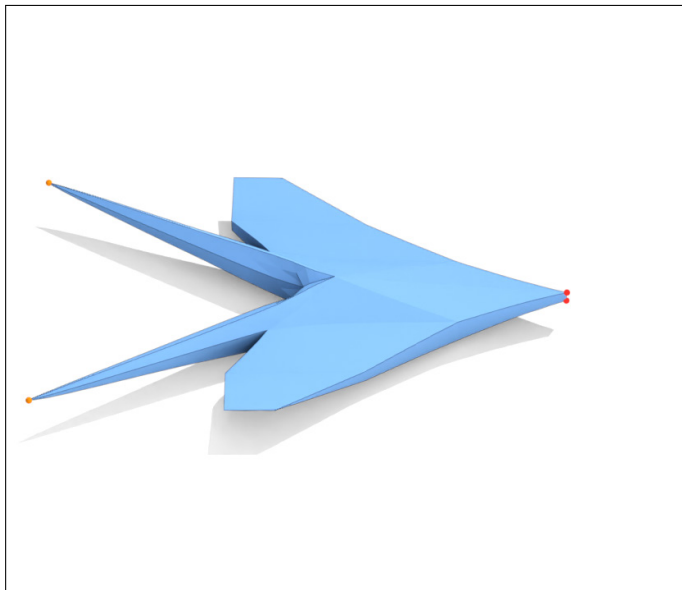

(A)

(B)

(C)

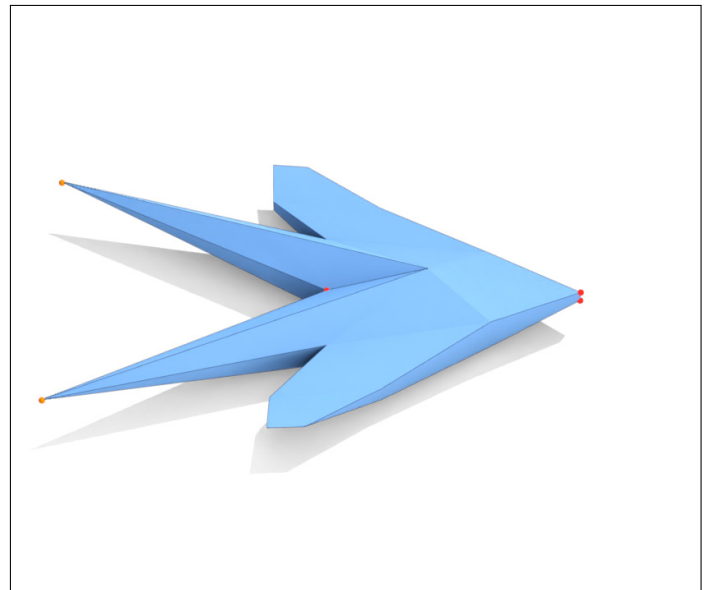○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
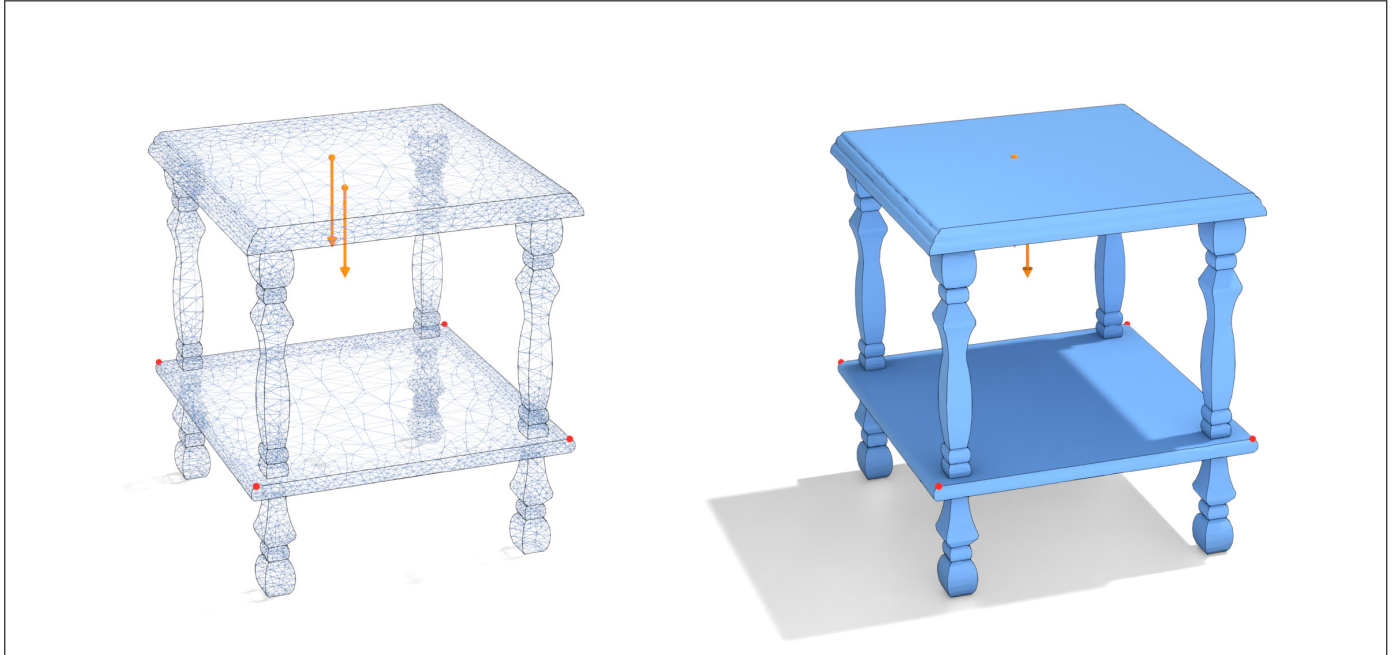

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

71

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
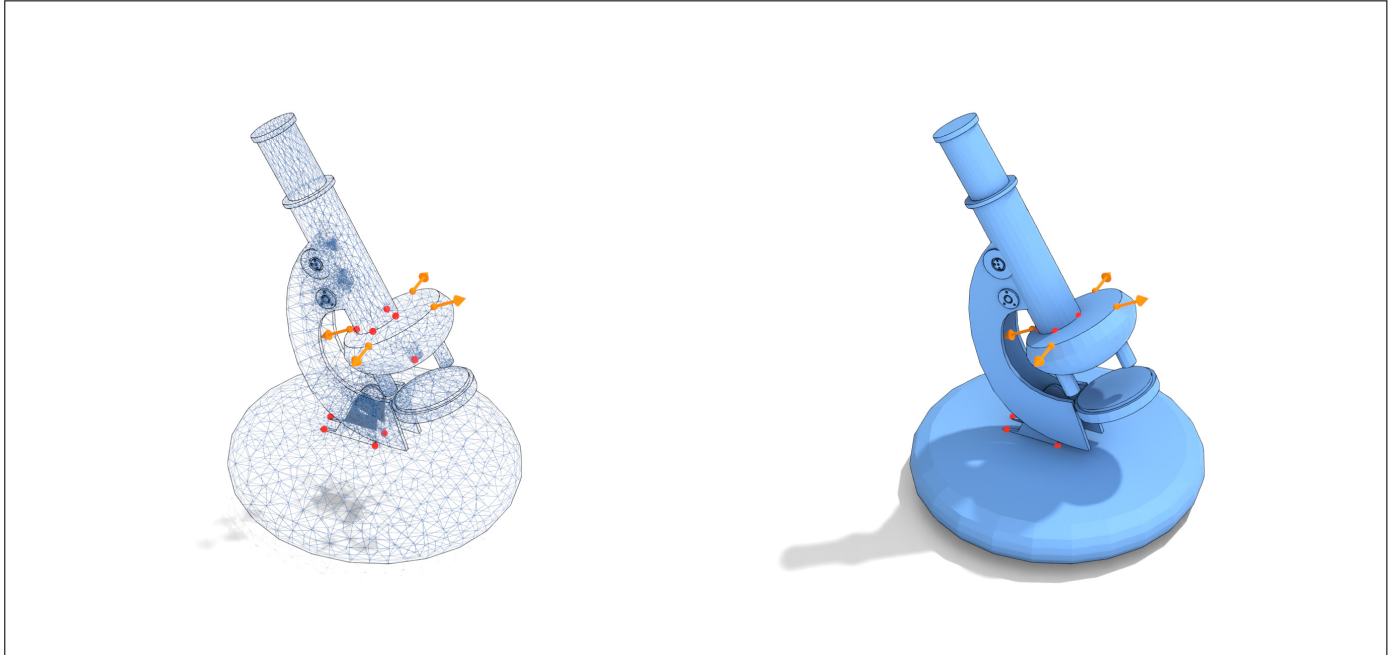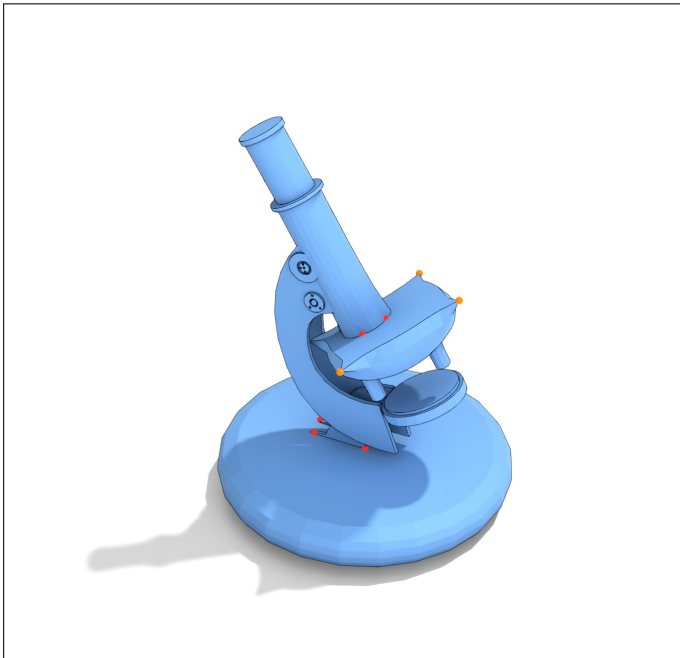

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 68: Ours: 7, Artist: 1, Both: 2, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
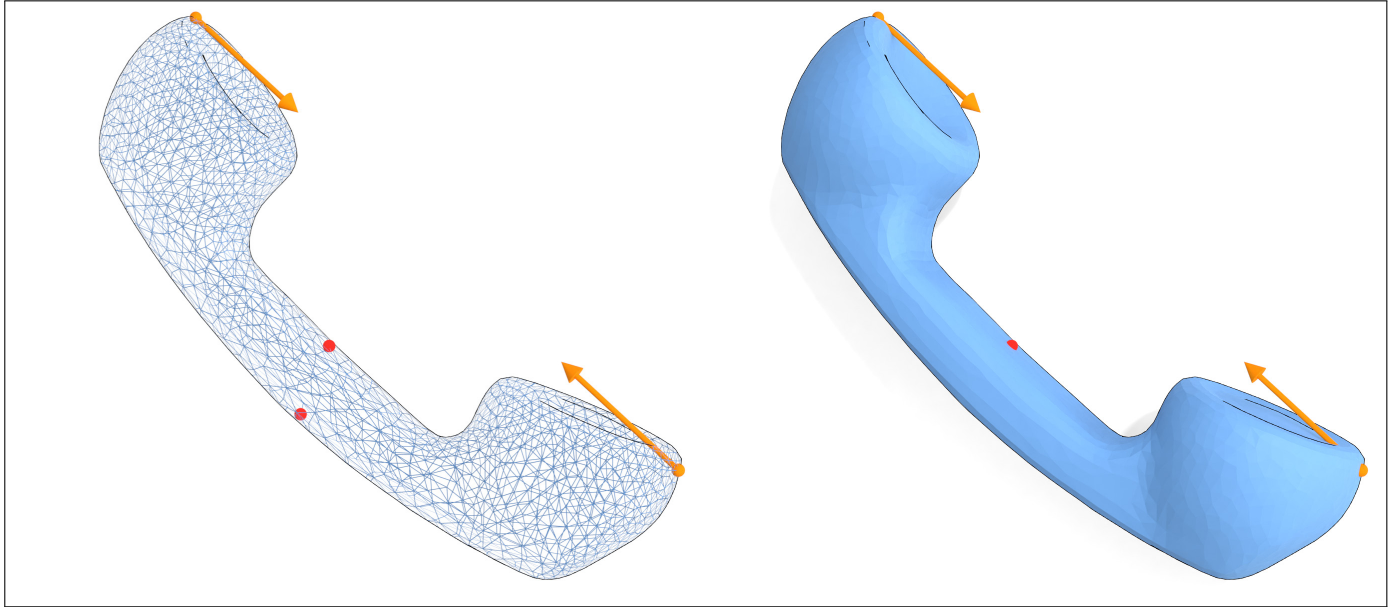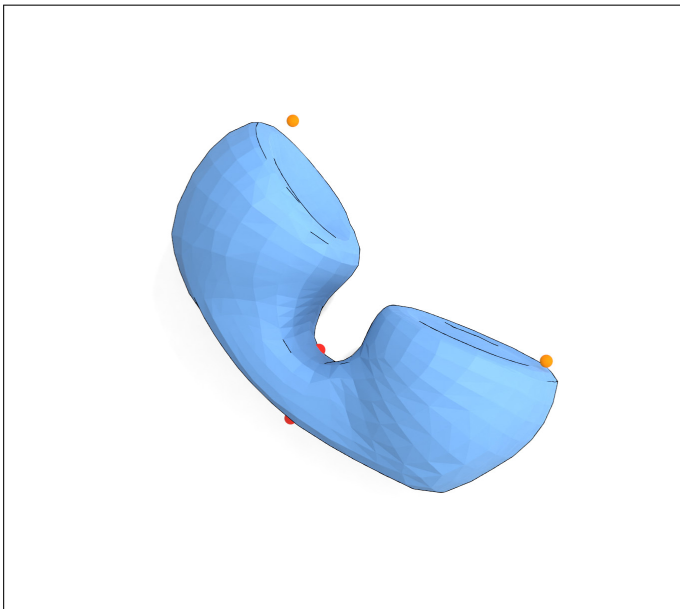

(A)

(B)

(C)

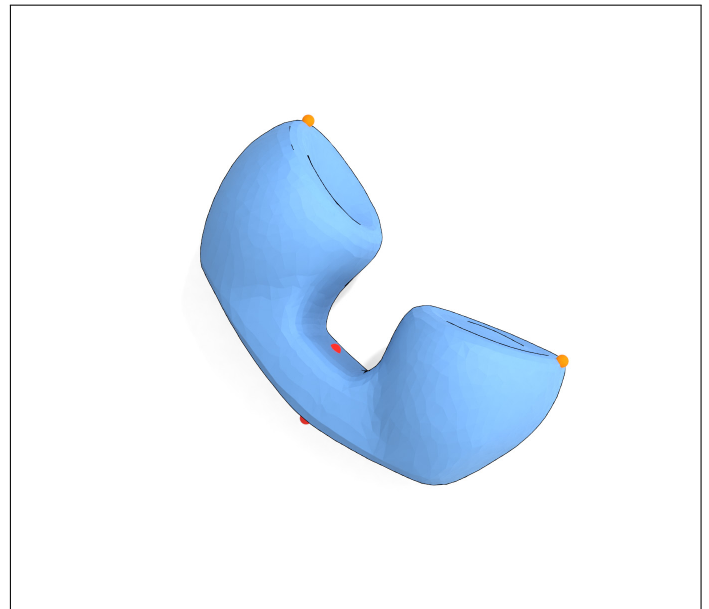○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
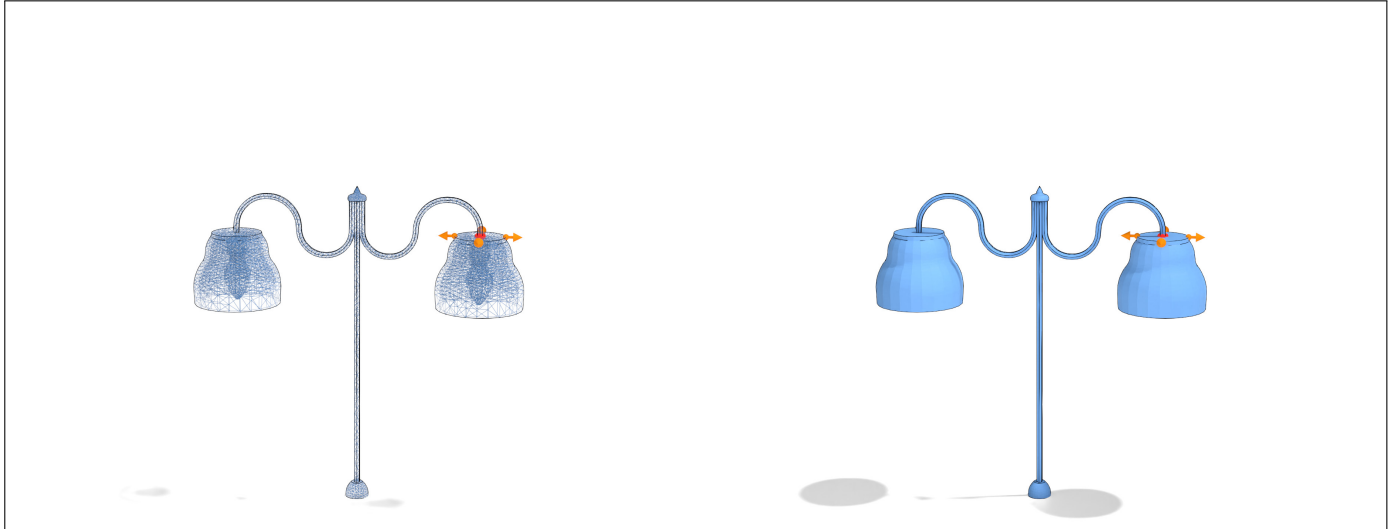

(A)

(B)

(C)

○ (B)　○ (C)　○ Both are equally close　○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
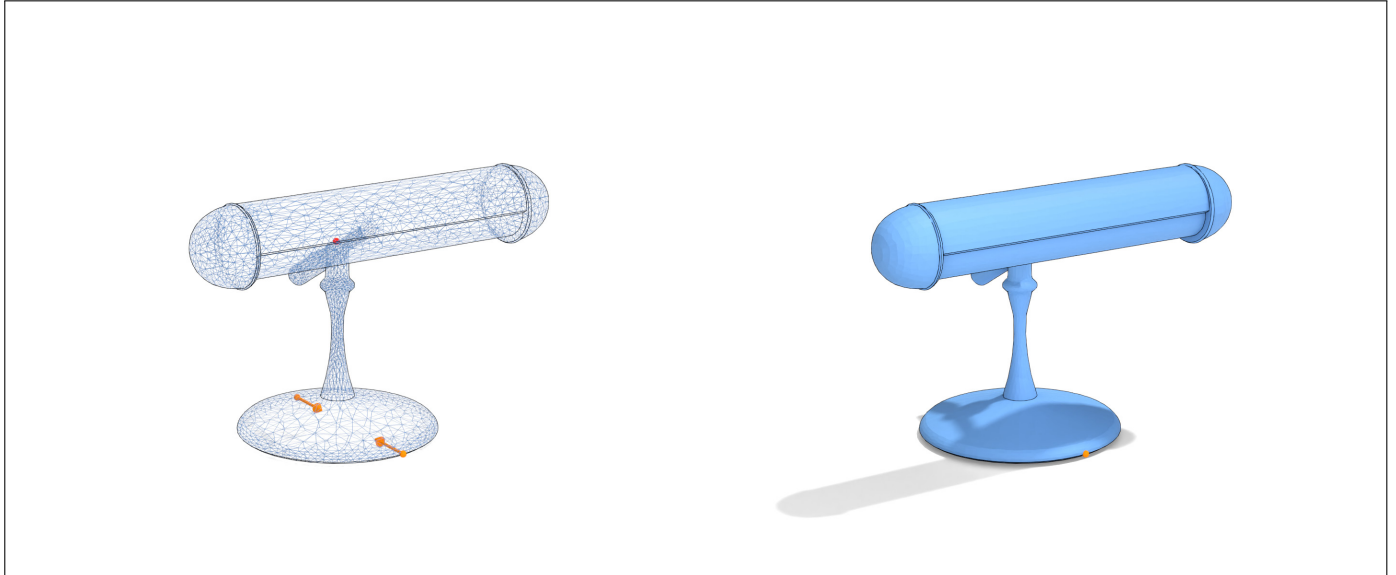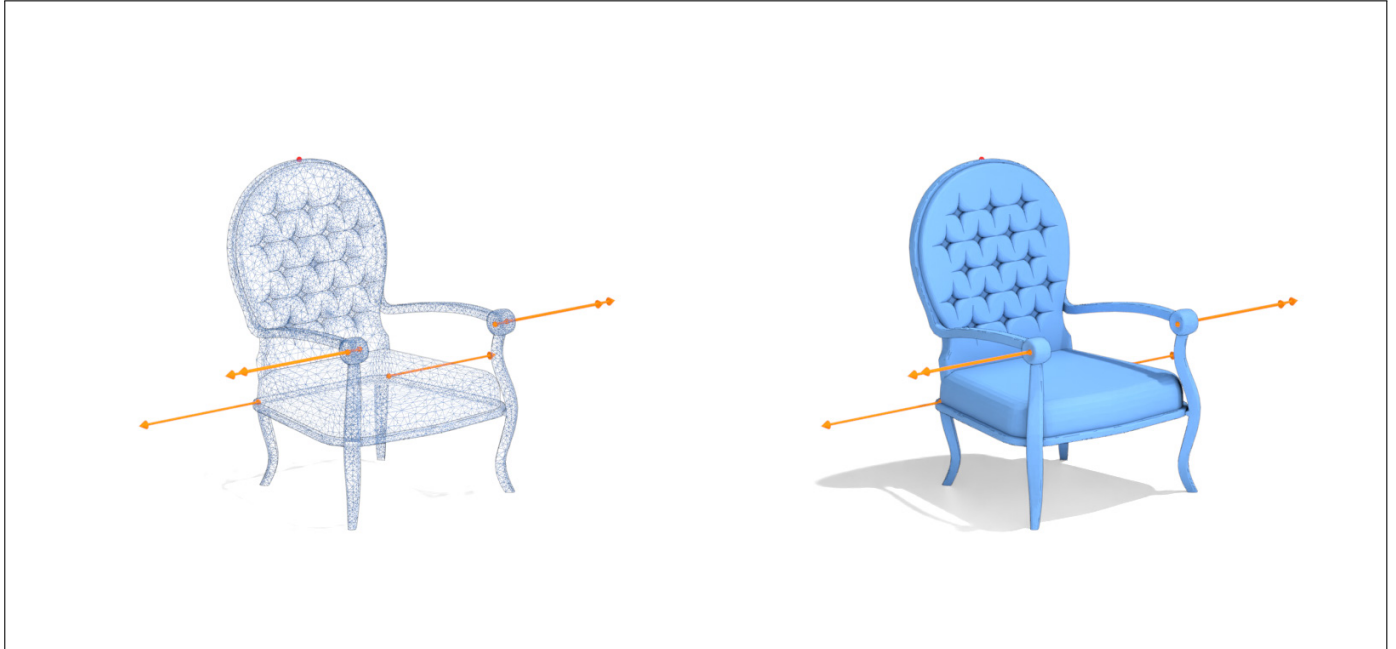

(A)

(B)

(C)

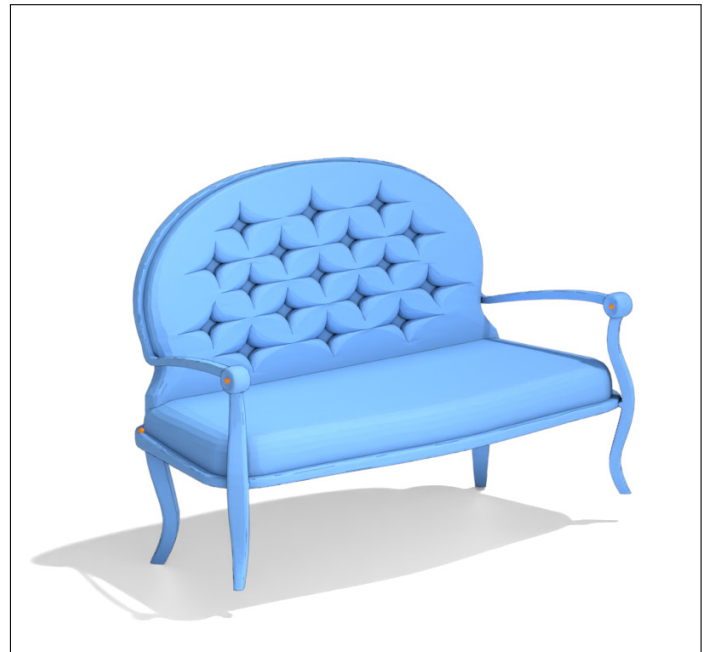○ (B) ○ (C) ○ Both are equally close ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
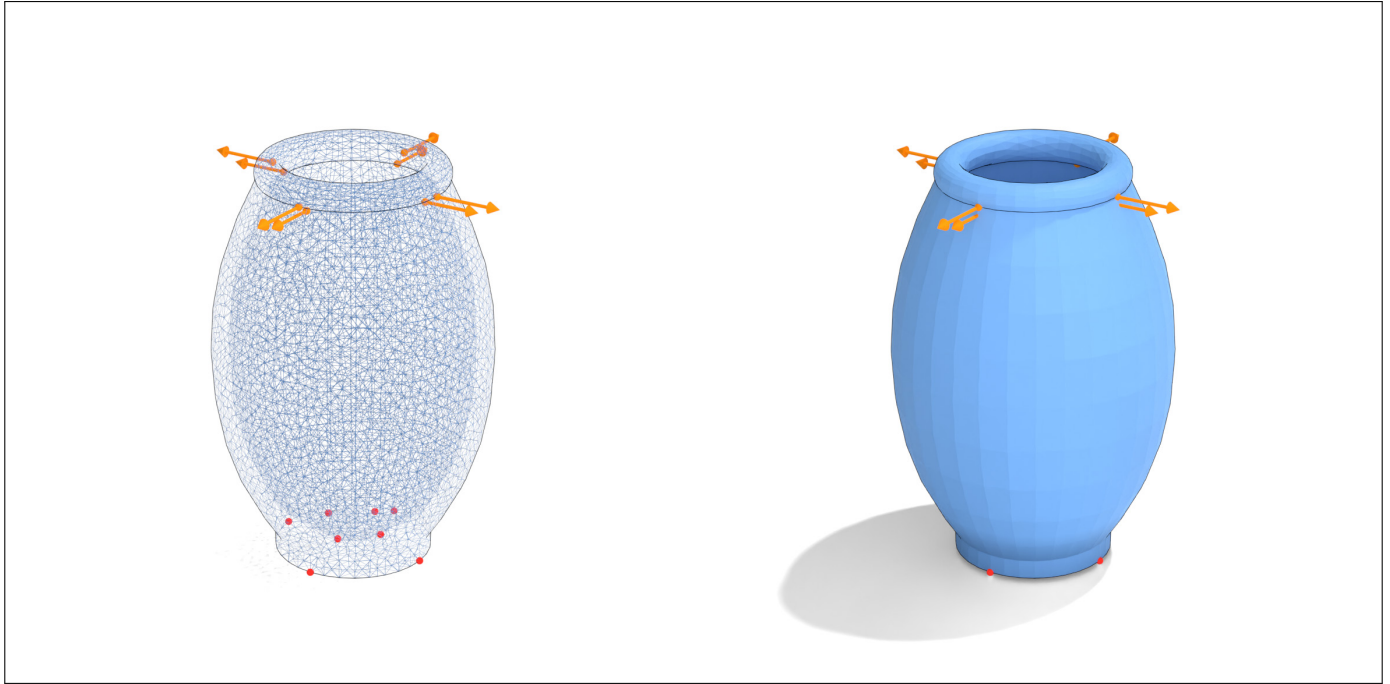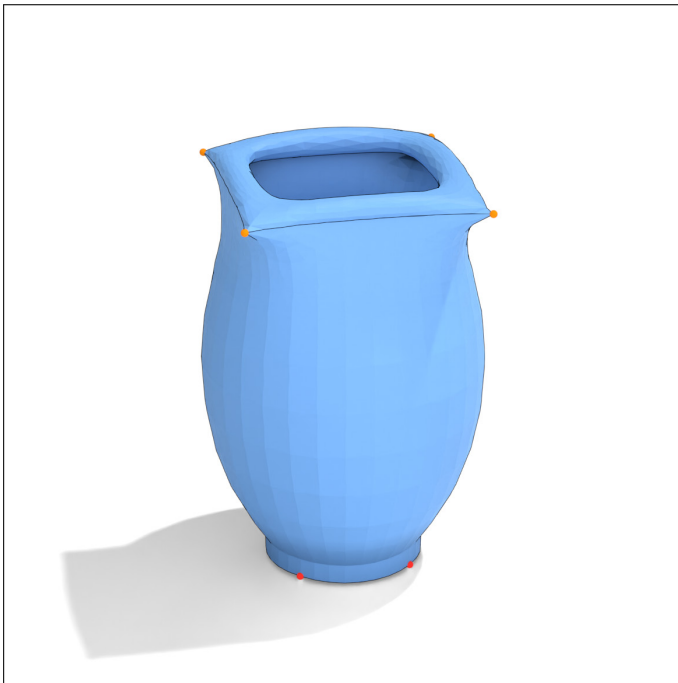

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

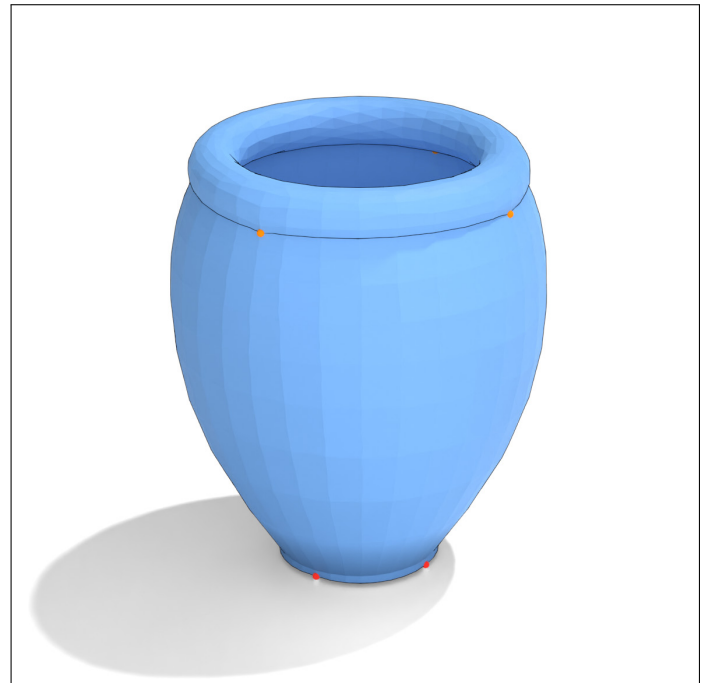**Question 72: Ours: 10, ARAP: 0, Both: 0, Neither: 0**

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
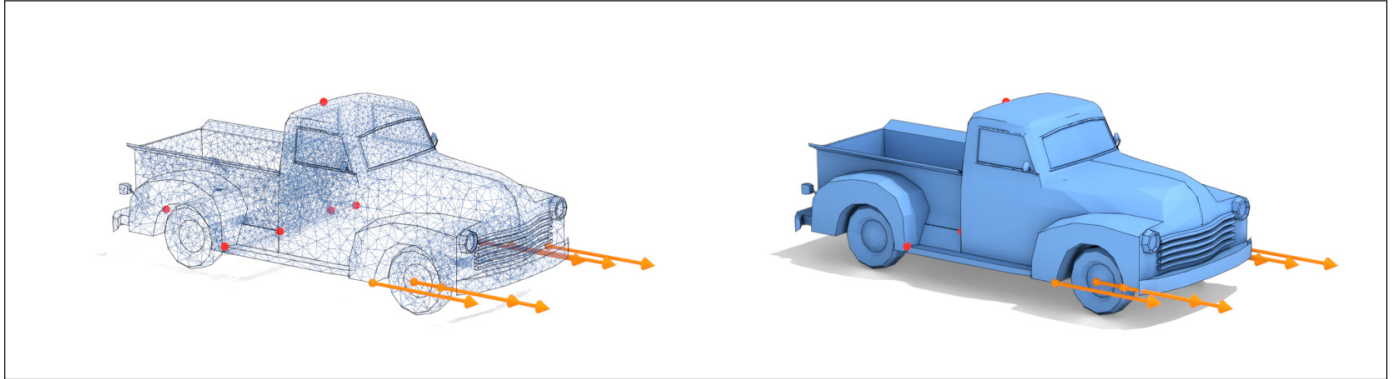

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 73: Ours: 8, Our 3D ALUP: 1, Both: 1, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
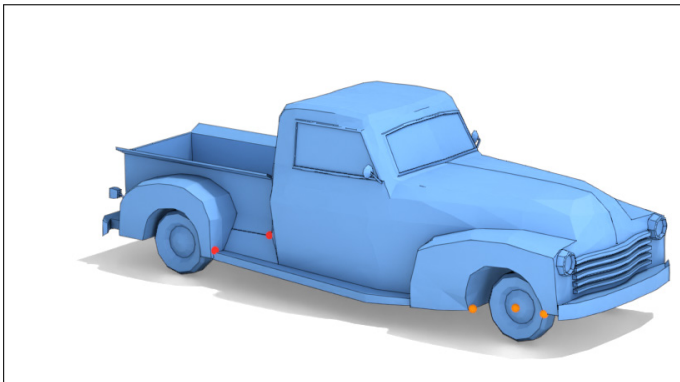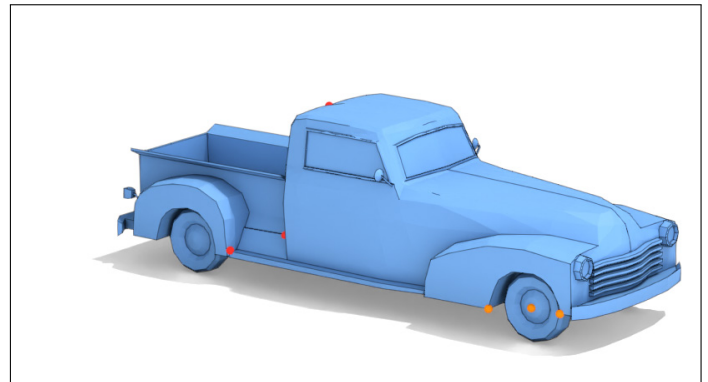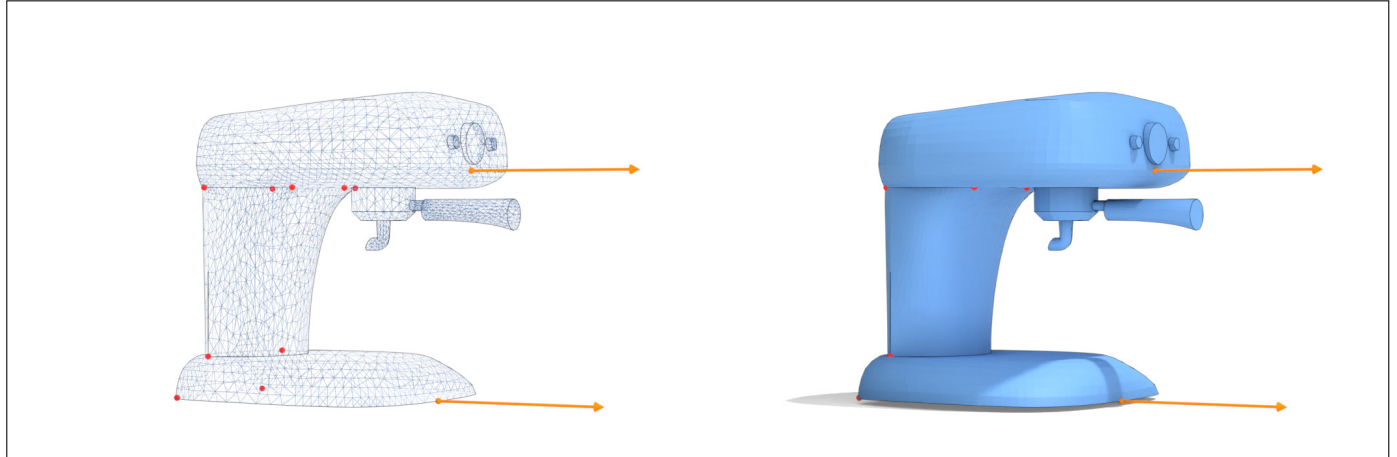

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
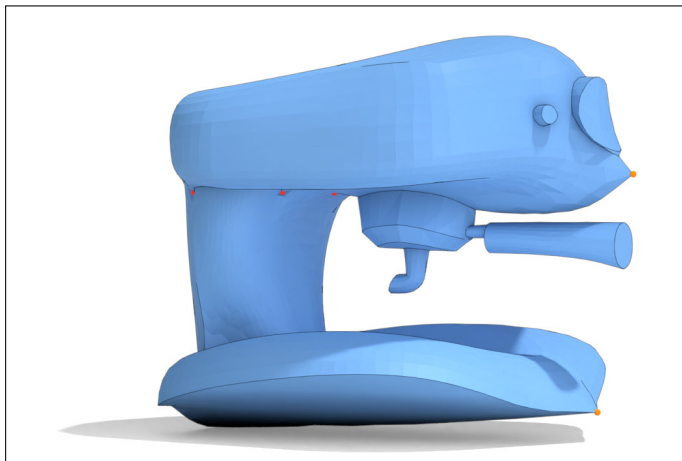

(A)

(B)

(C)

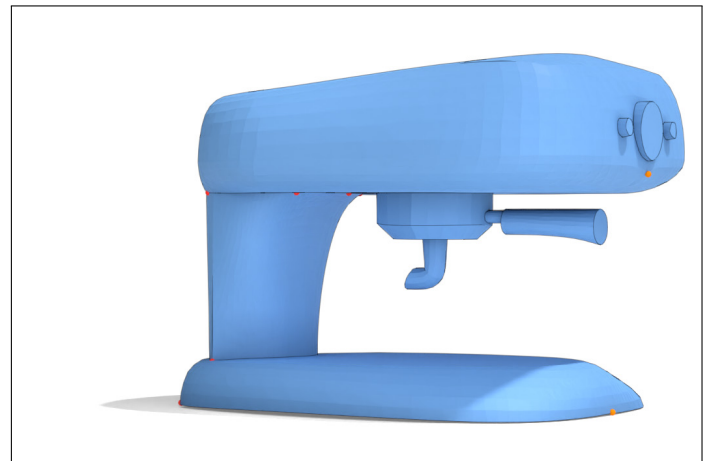○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
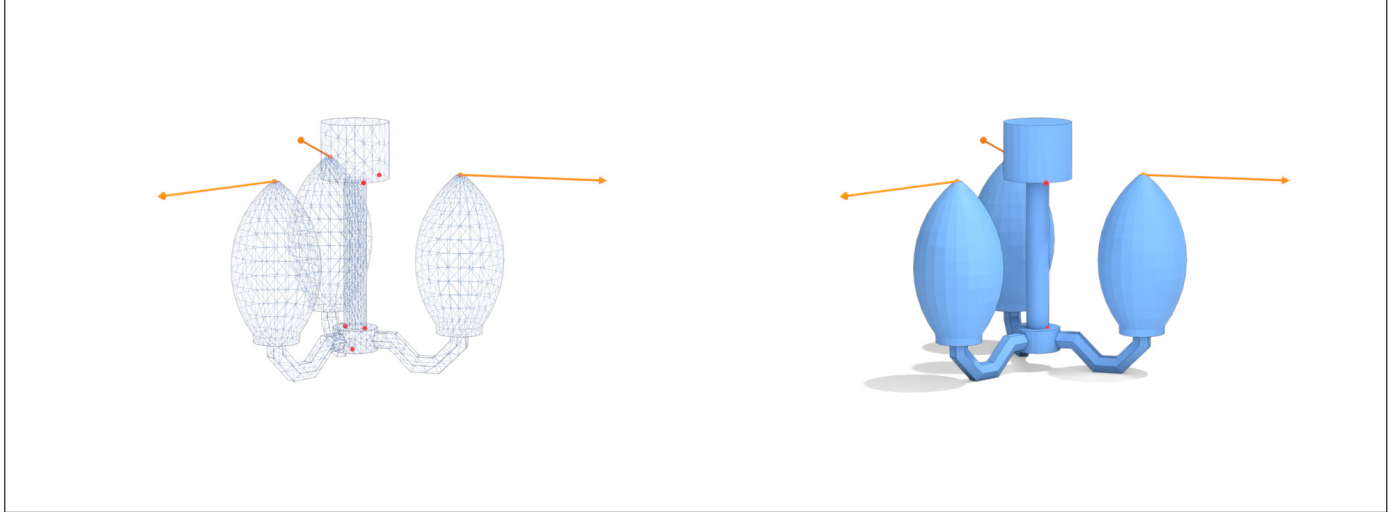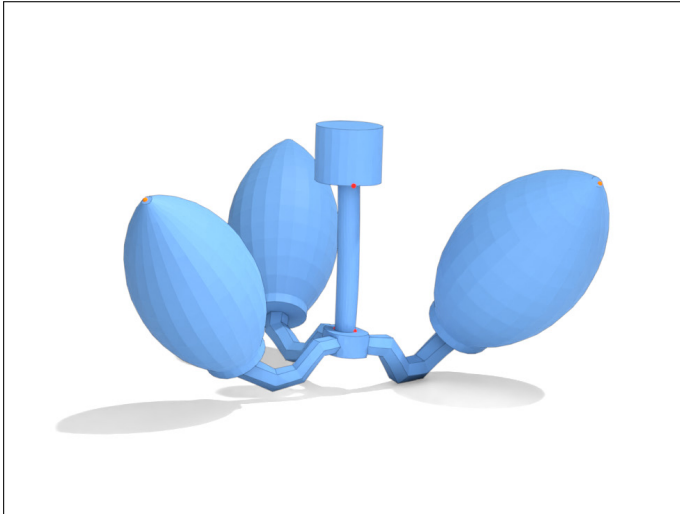

(A)

(B)

(C)

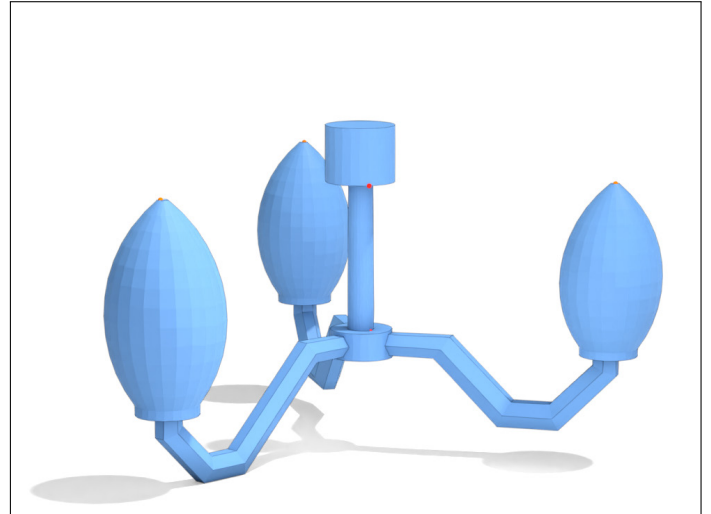○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
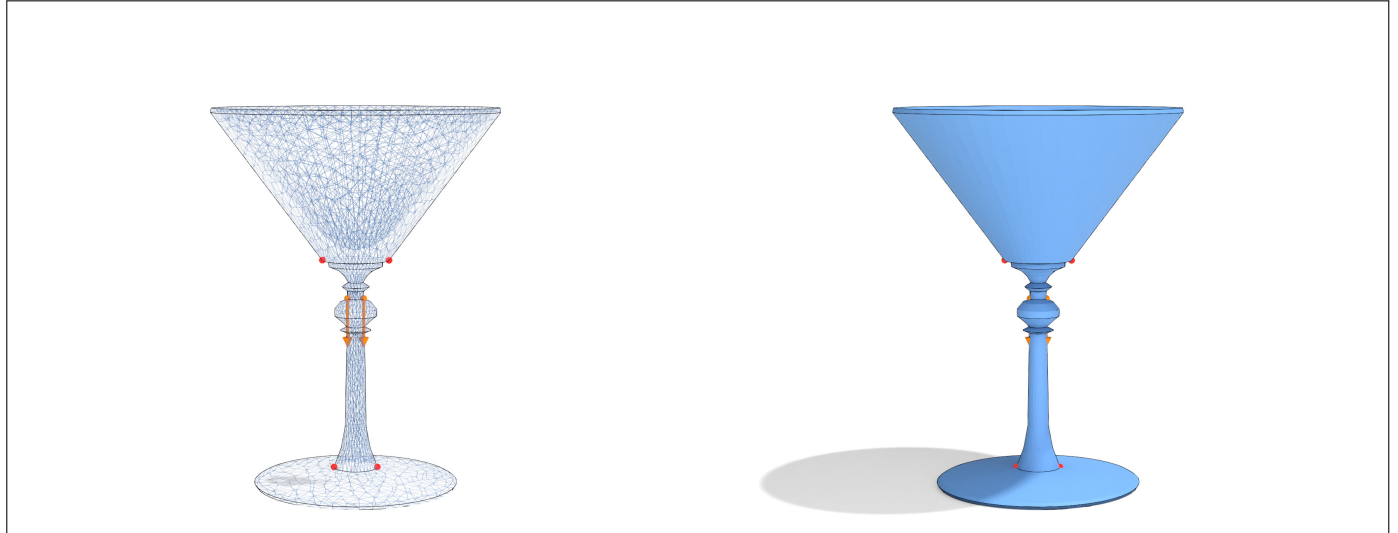

(A)

(B)

(C)

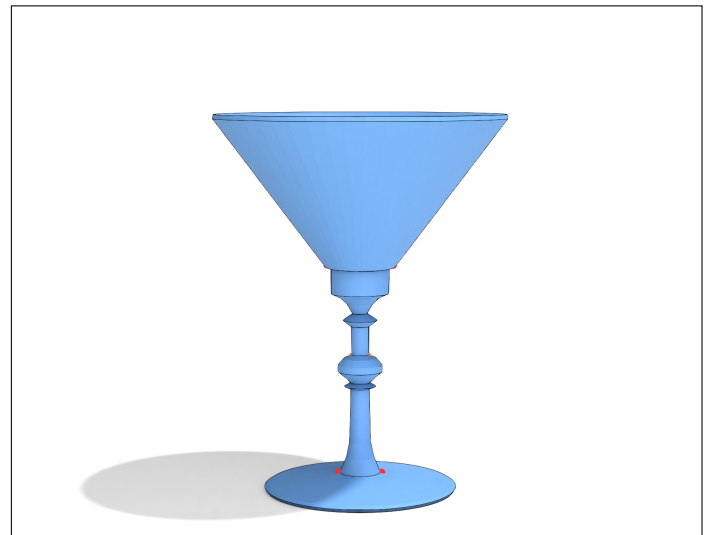○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
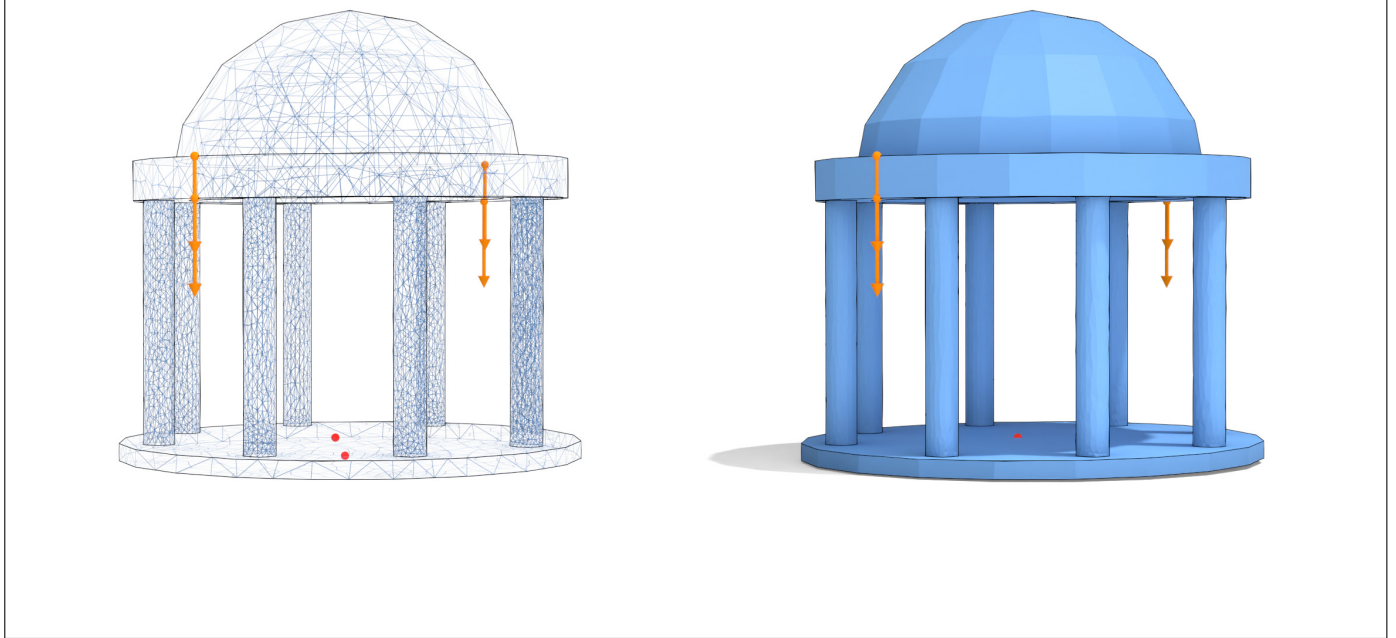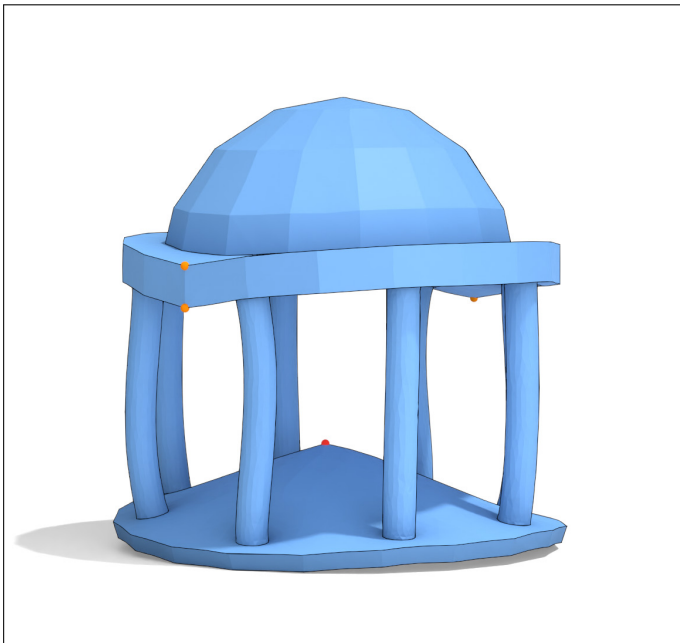

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 78: Ours: 7, Our 3D ALUP: 2, Both: 1, Neither: 0
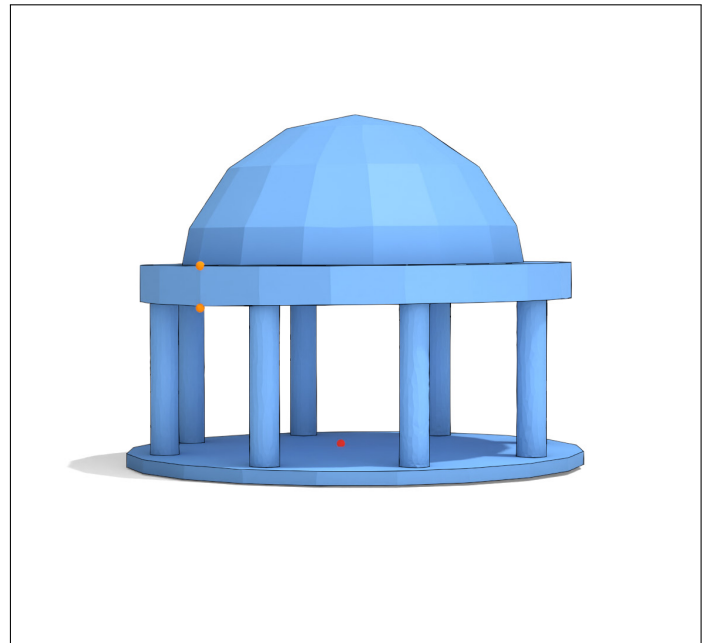
The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
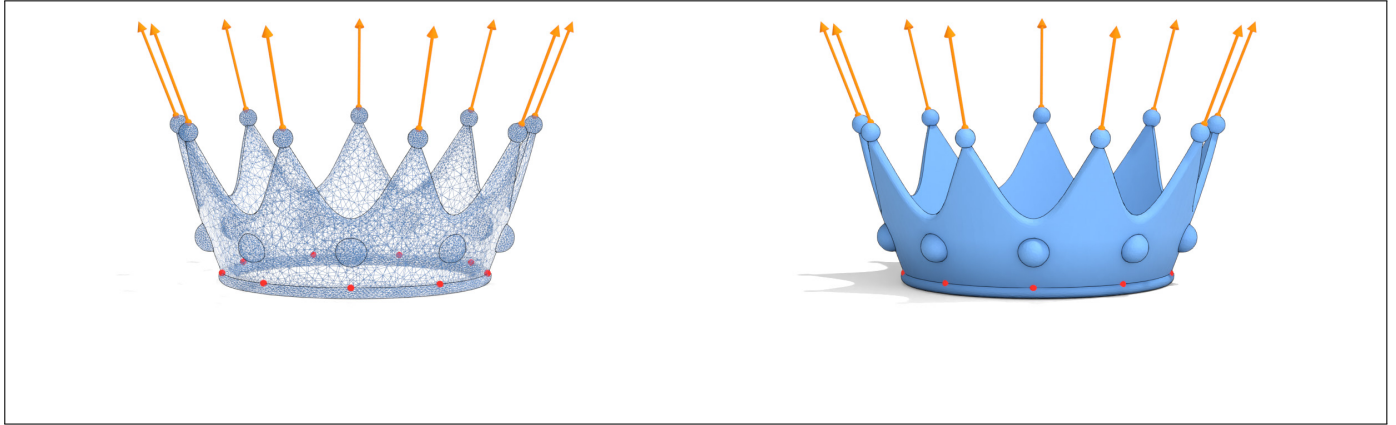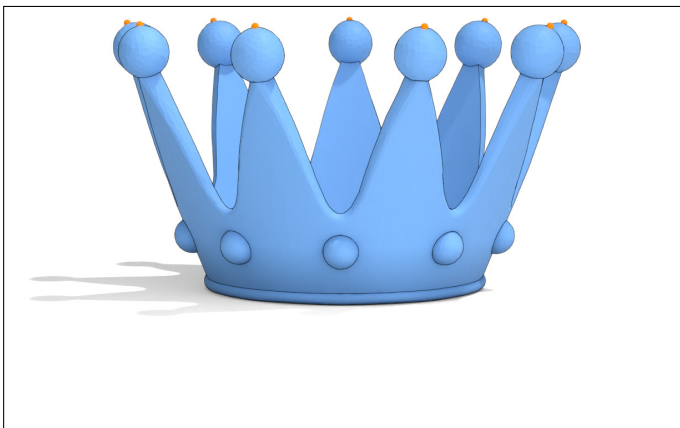

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close
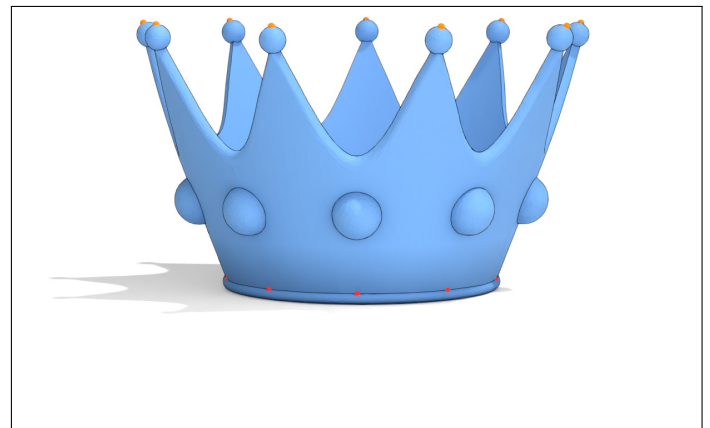
The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
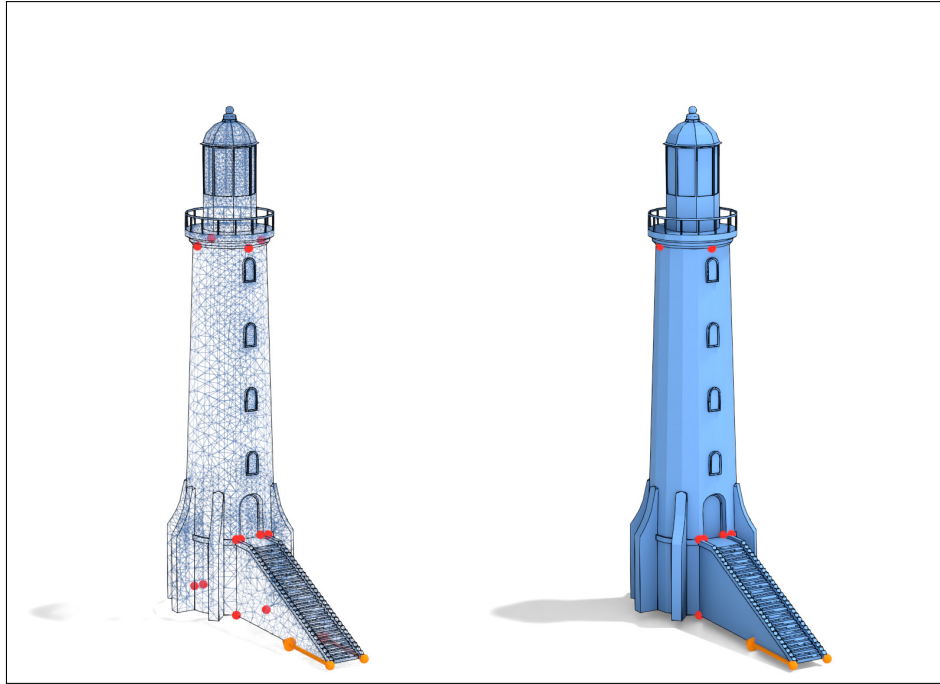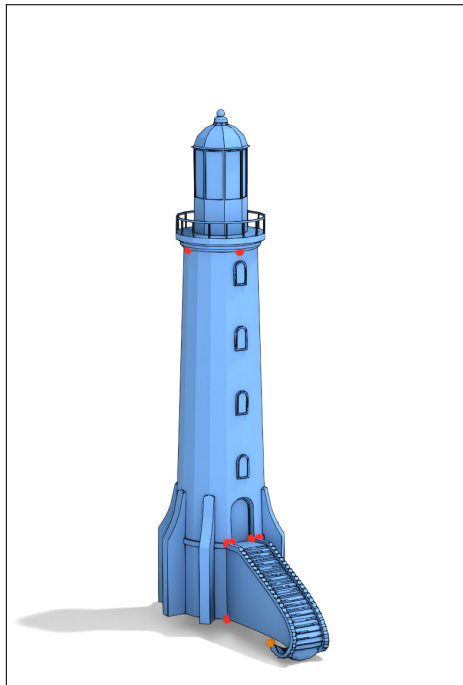

(A)

(B)

(C)

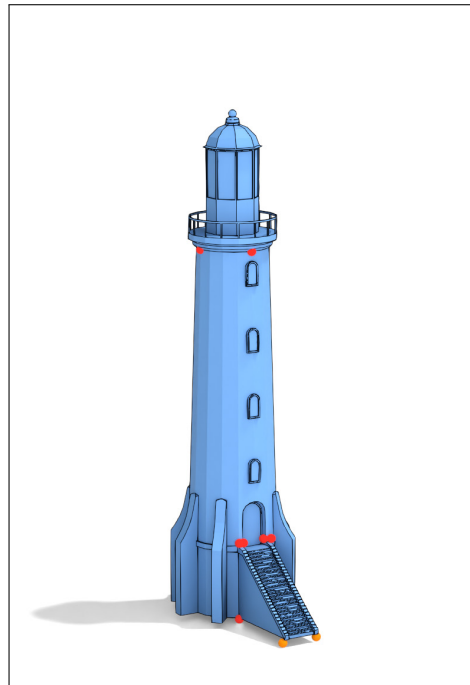○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

84

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
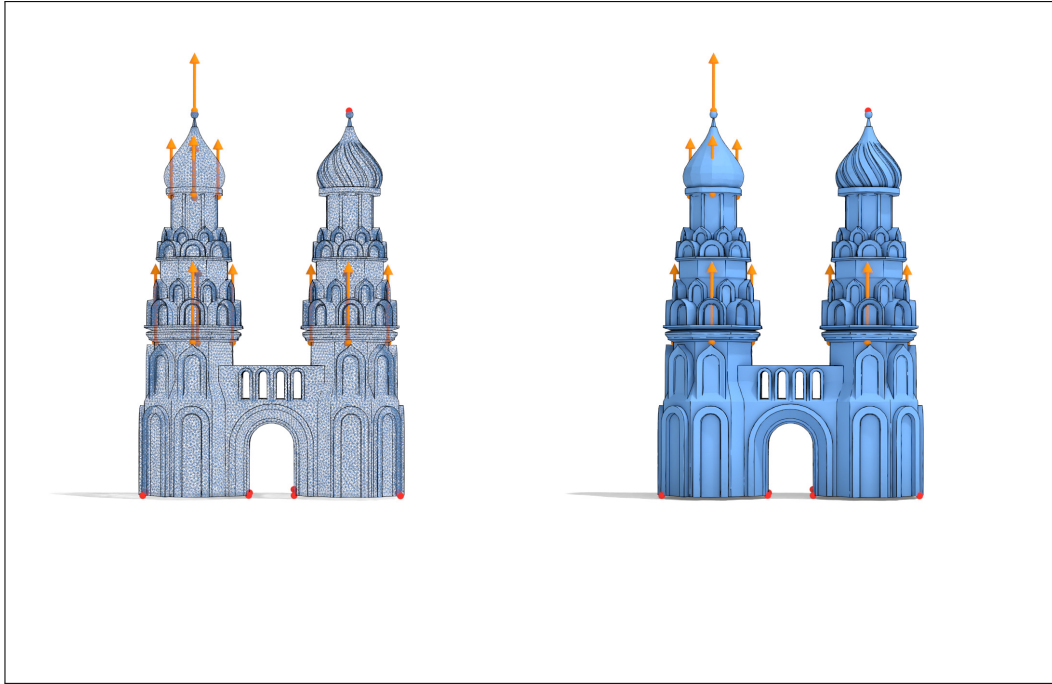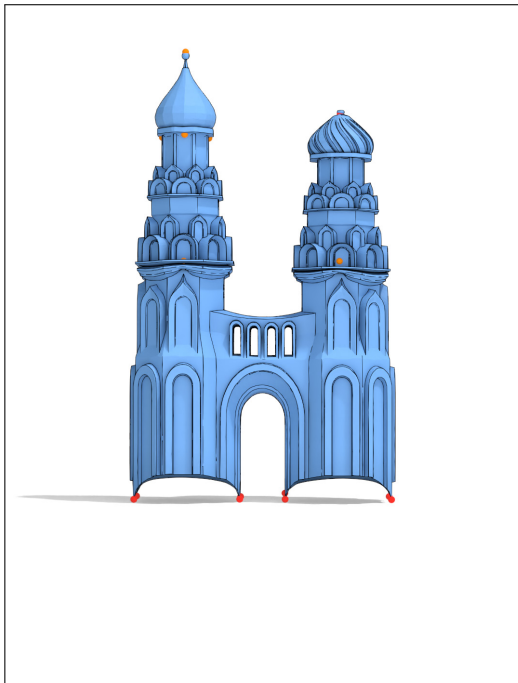

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

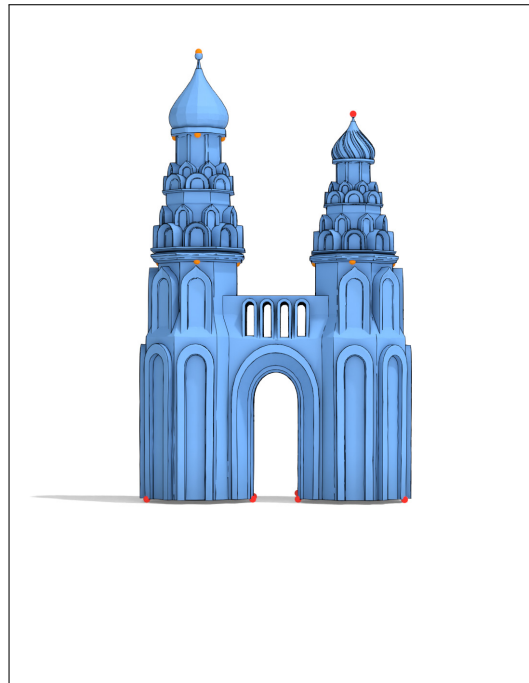**Question 81: Ours: 10, Conformal: 0, Both: 0, Neither: 0**

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
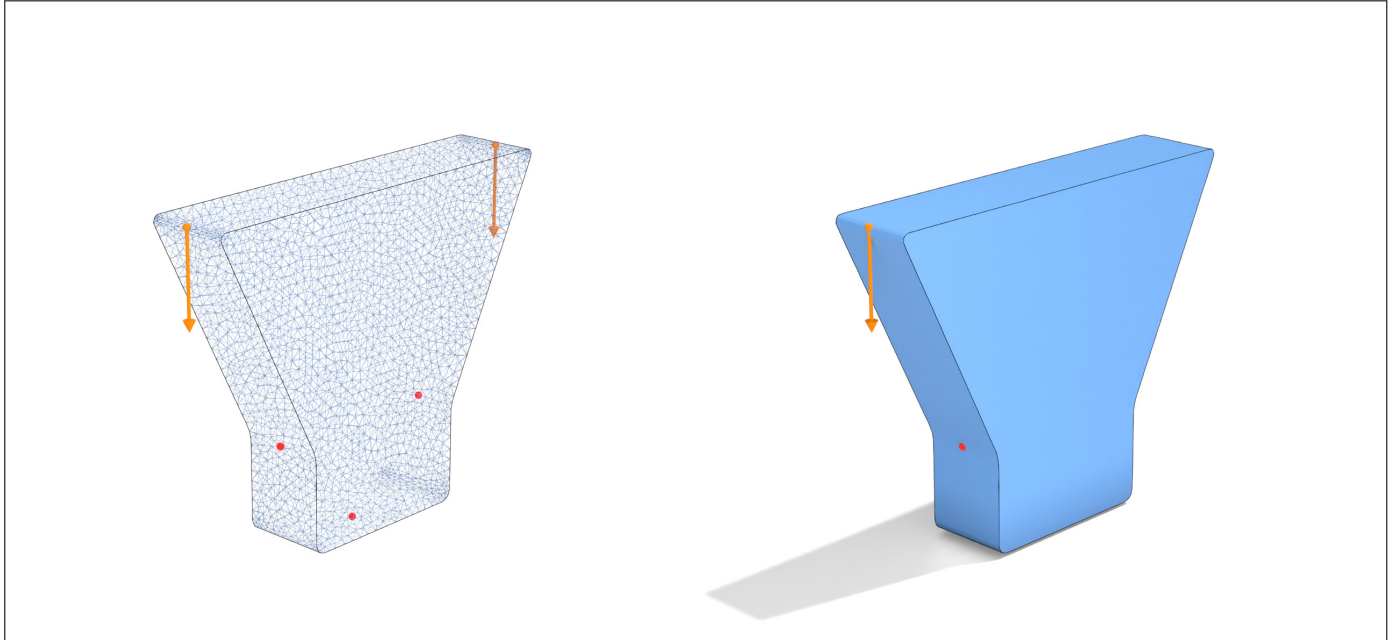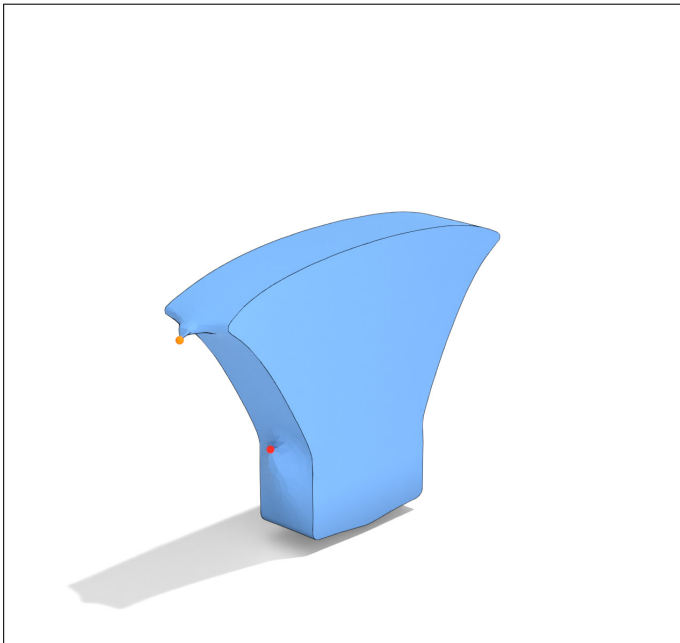

(A)

(B)

(C)

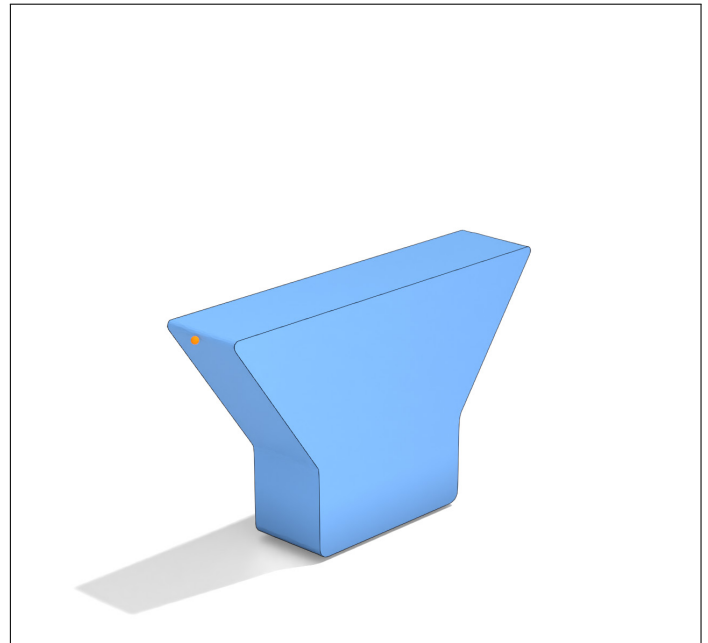○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
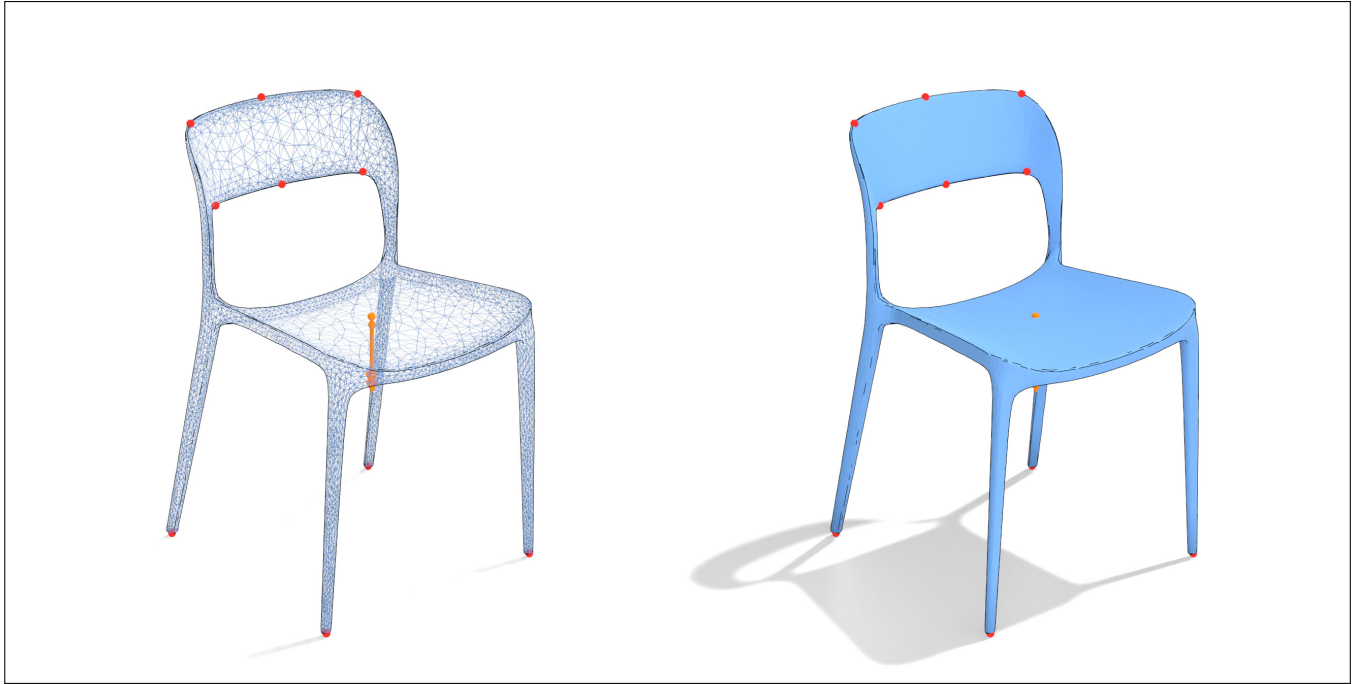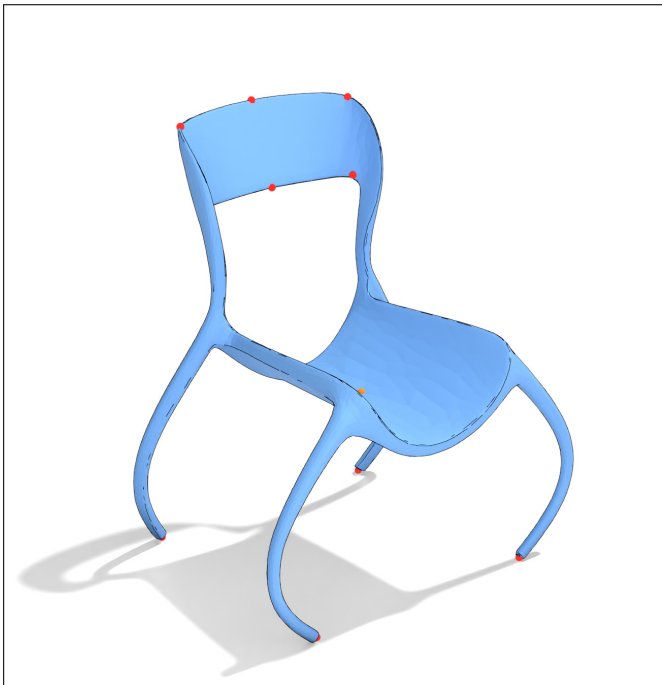

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 83: Ours: 3, Our 3D ALUP: 1, Both: 6, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
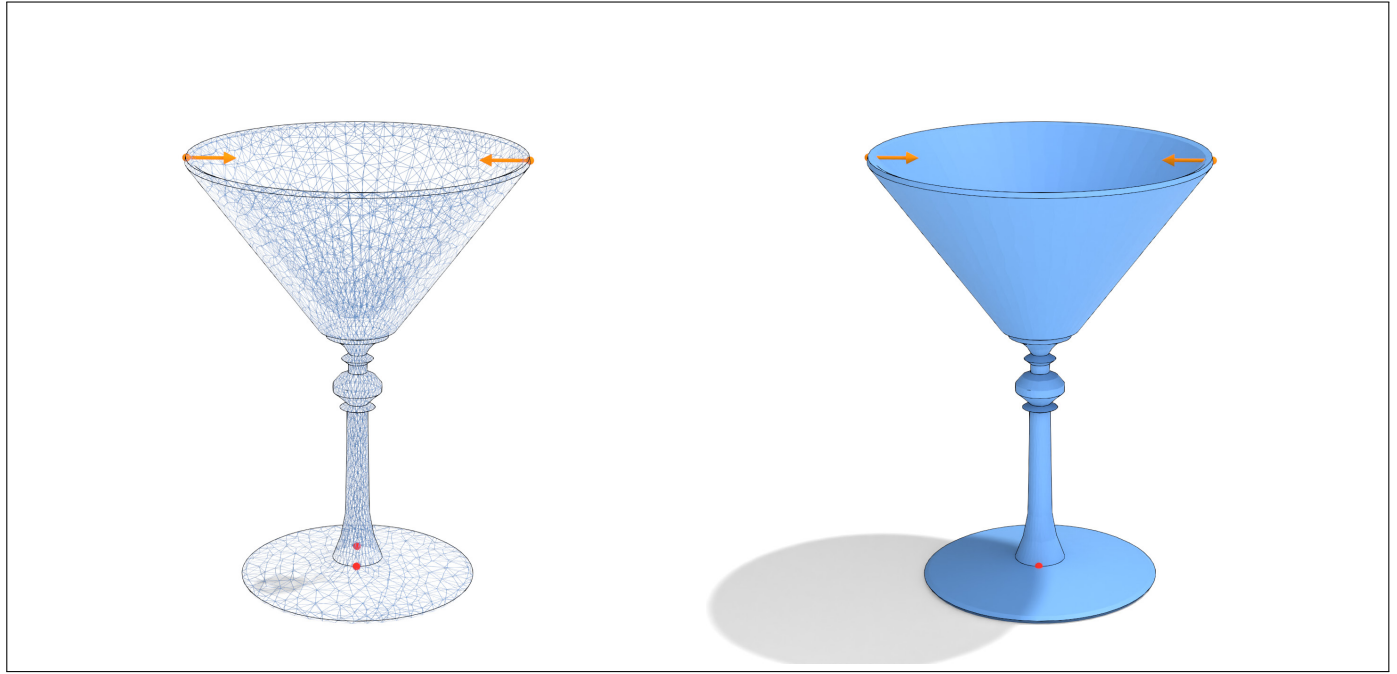

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 84: Ours: 10, Poisson: 0, Both: 0, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
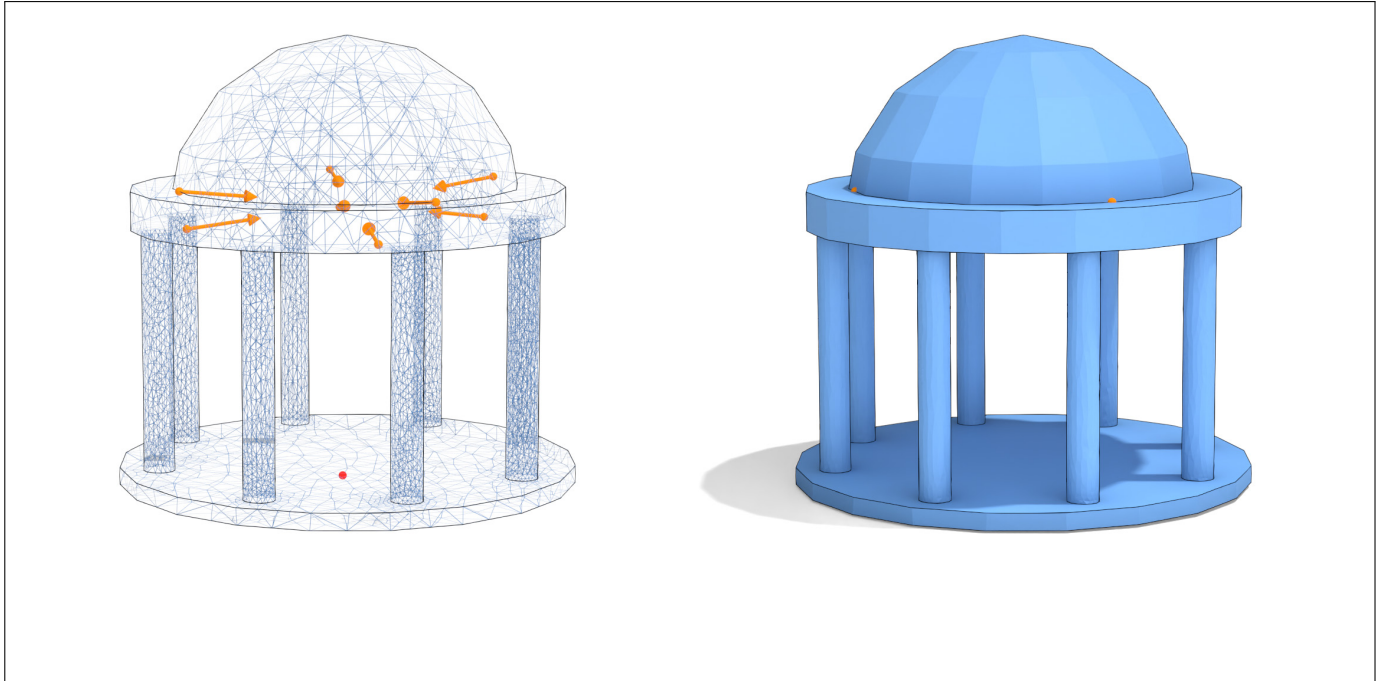

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
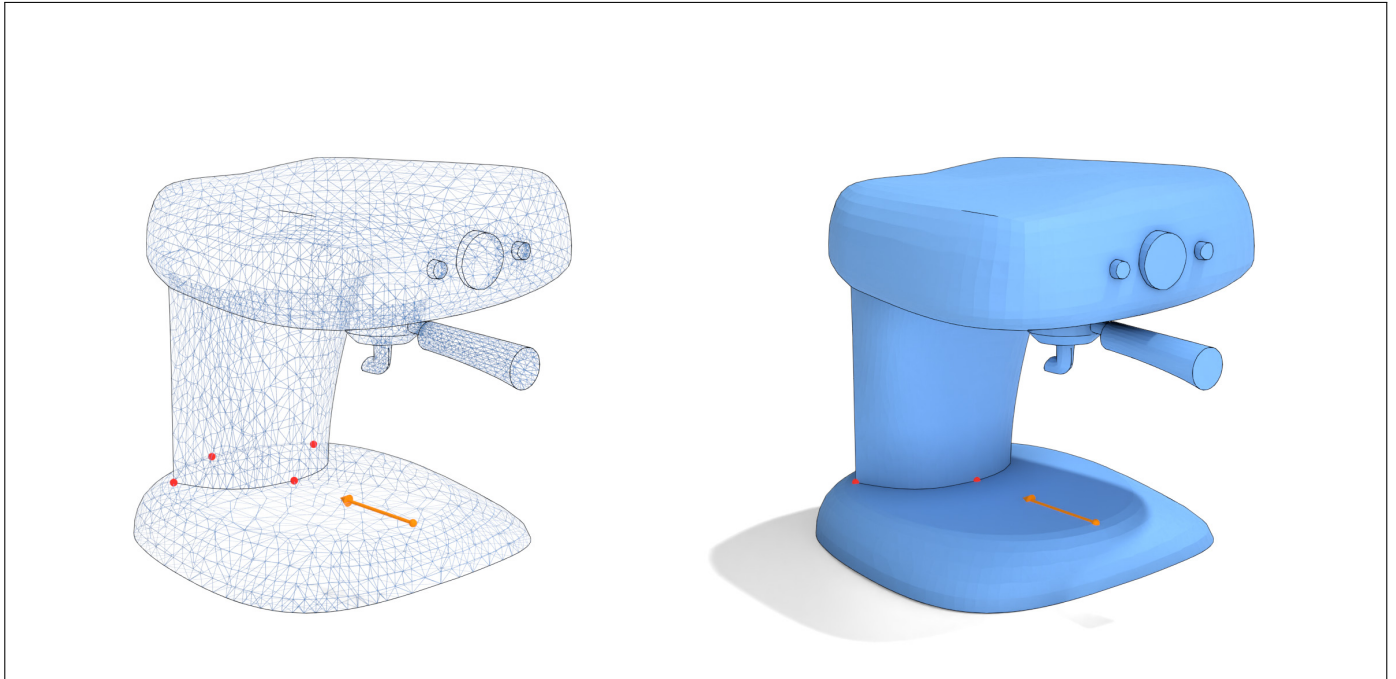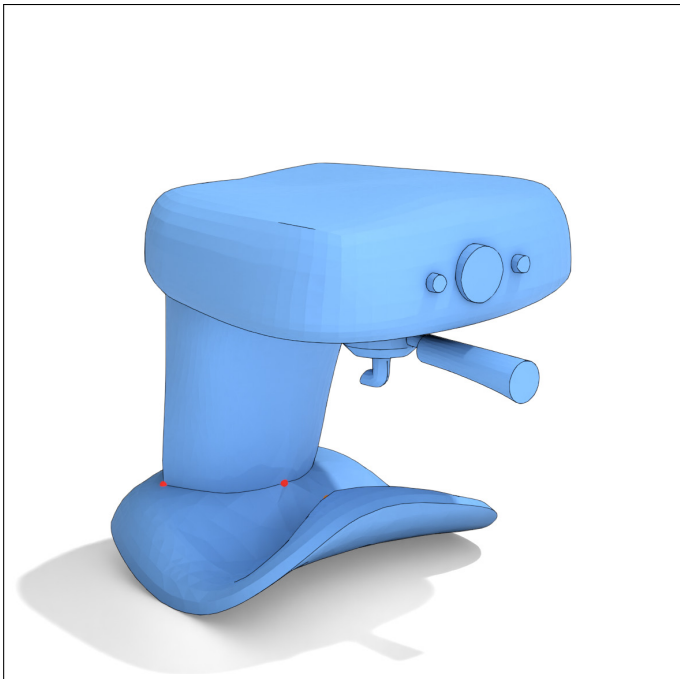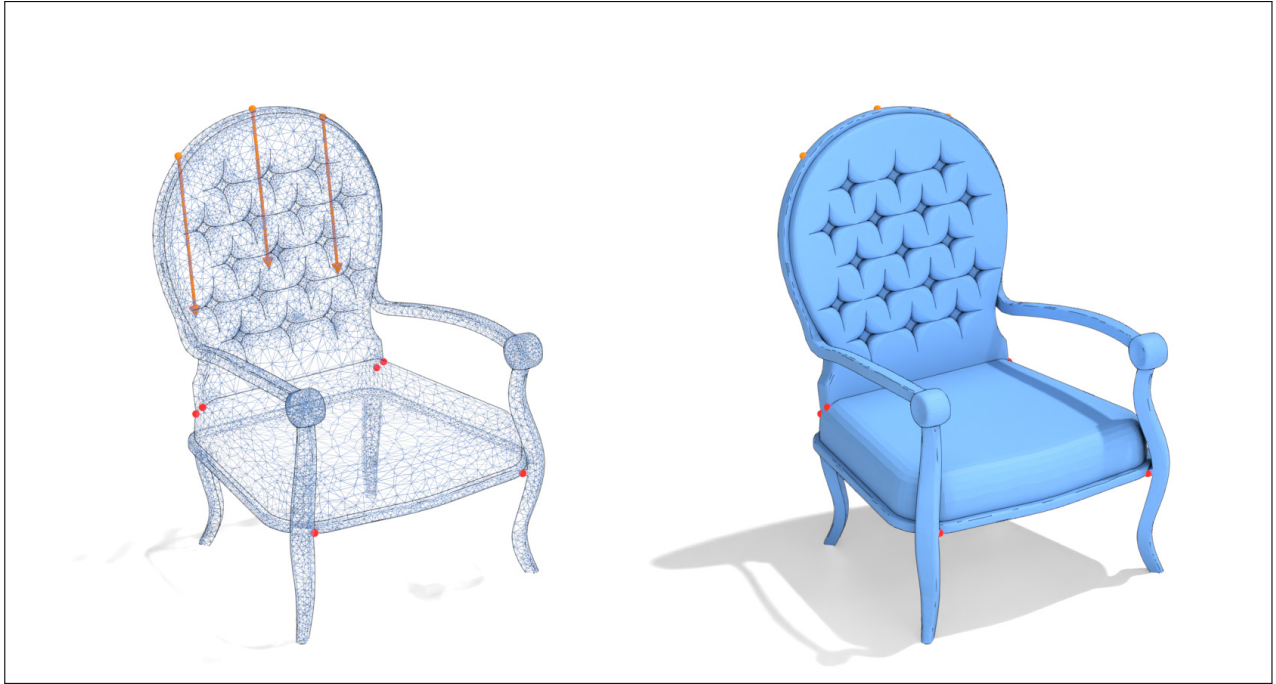

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 86: Ours: 10, ARAP: 0, Both: 0, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
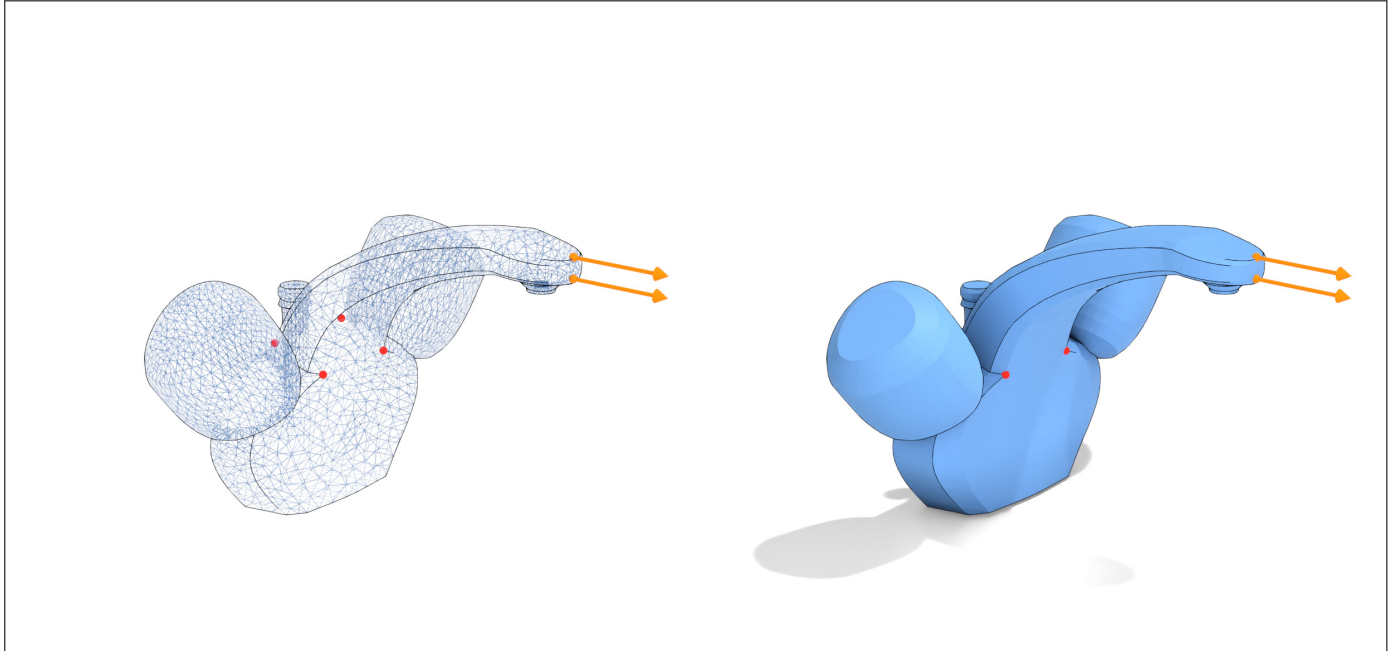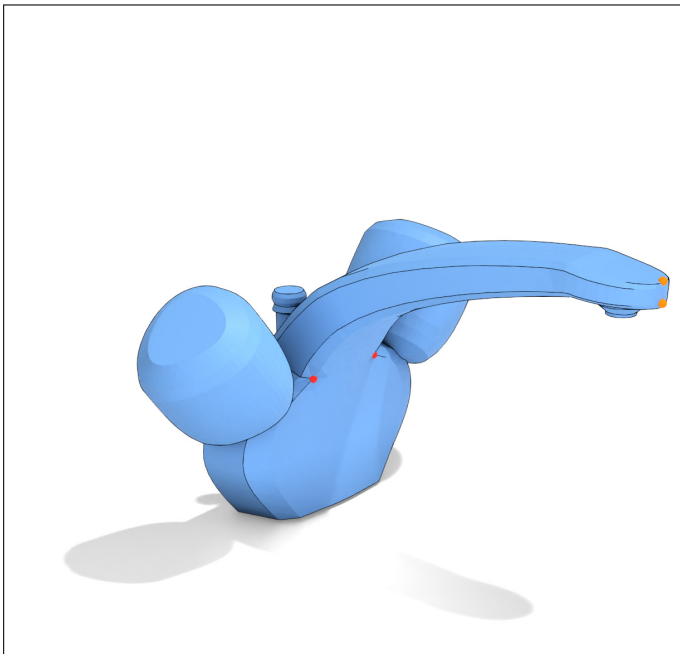

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

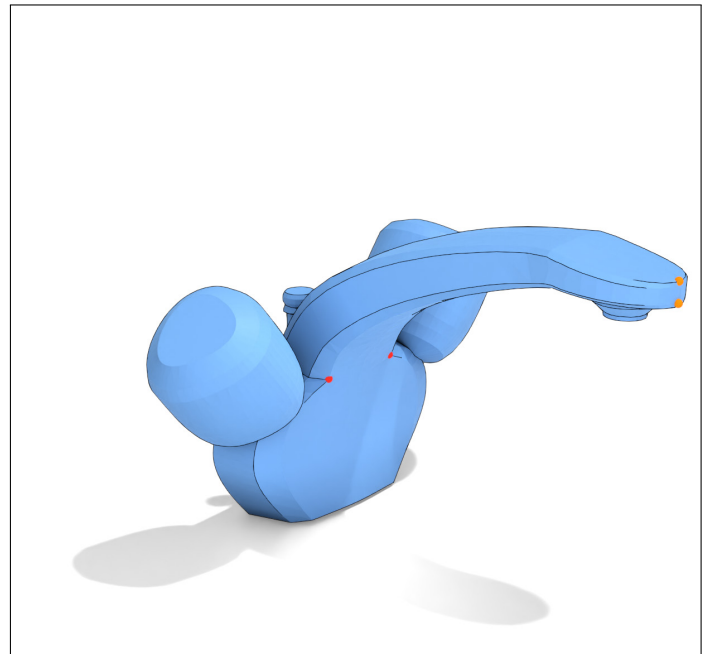# Question 87: Ours: 4, Poisson: 4, Both: 2, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
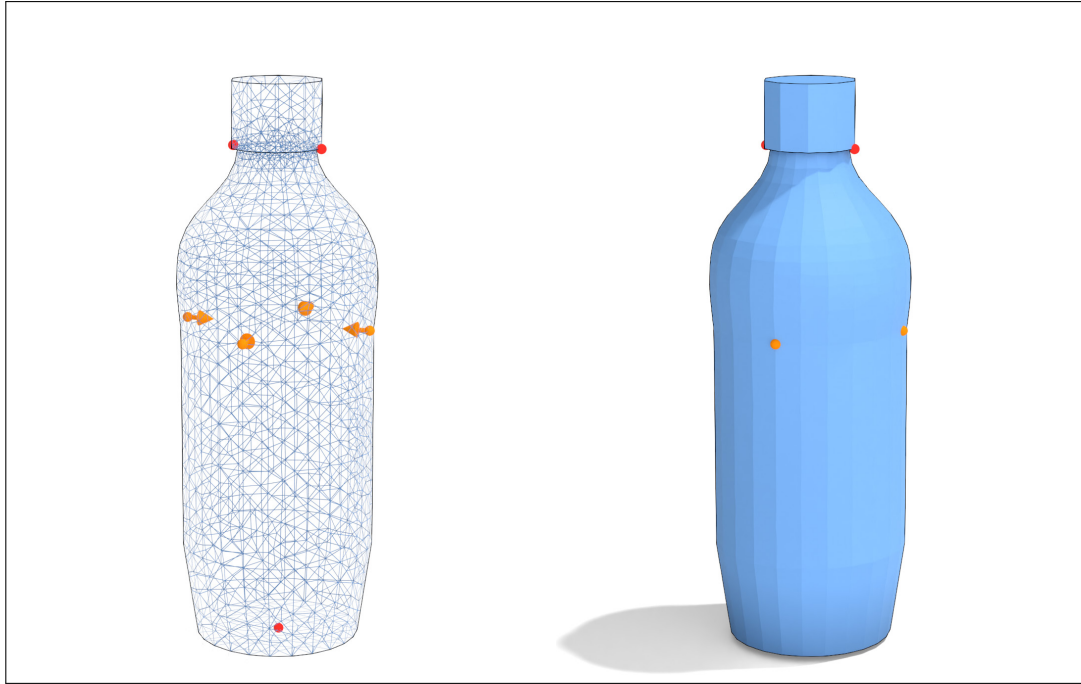

(A)

(B)

(C)

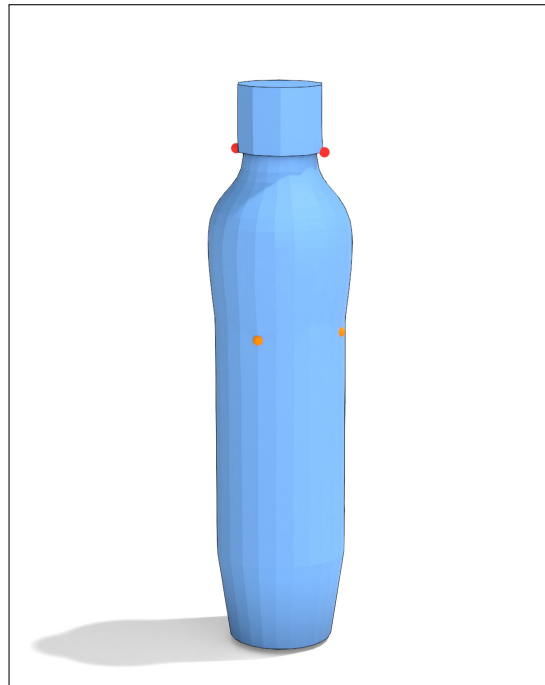○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
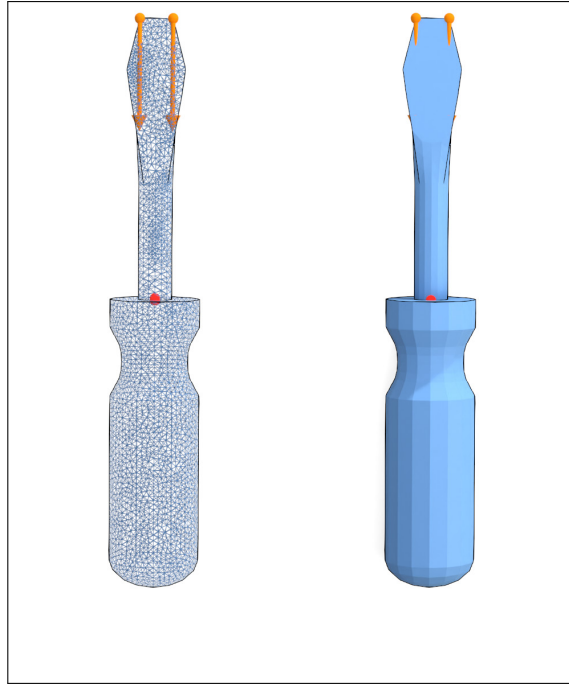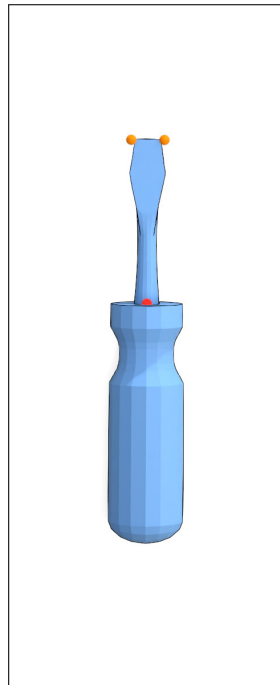

(A)

(B)

(C)

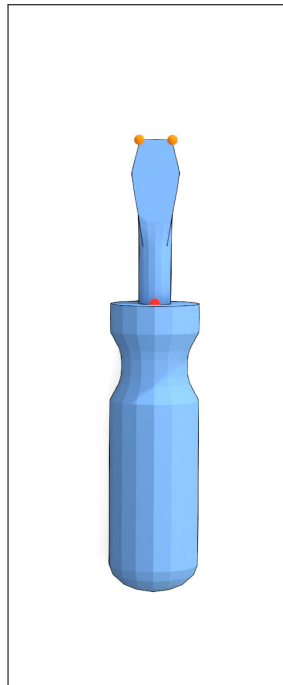○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
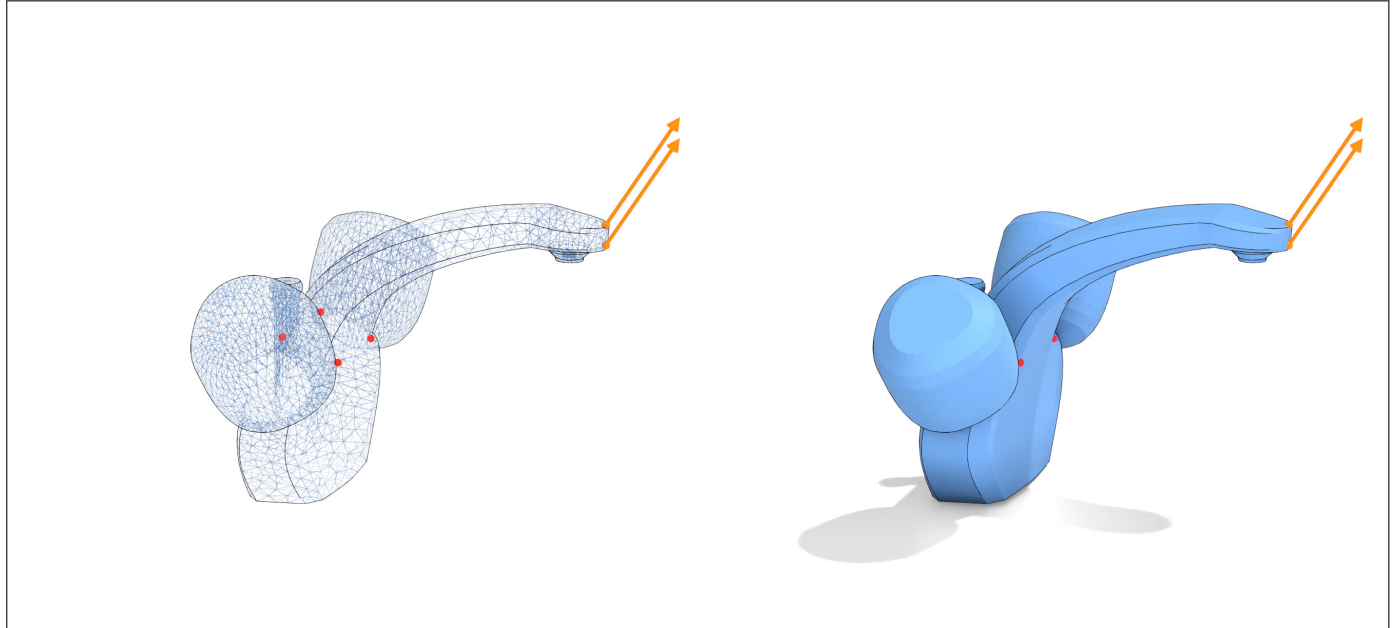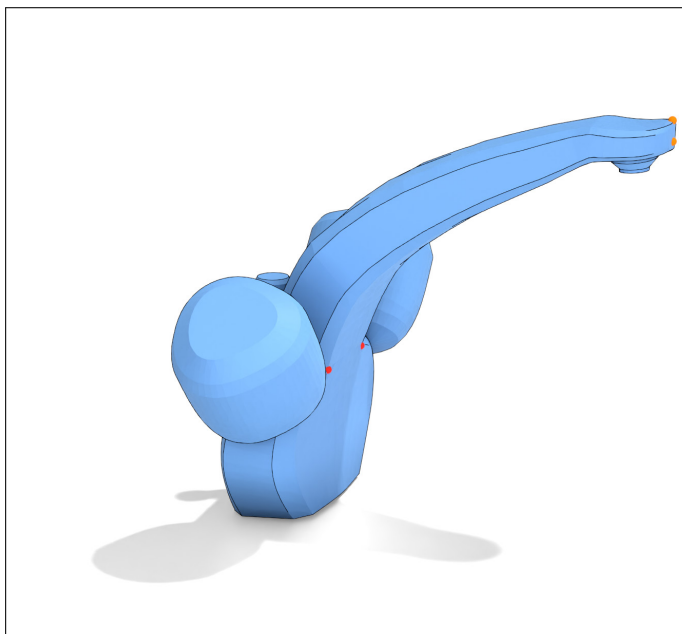

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

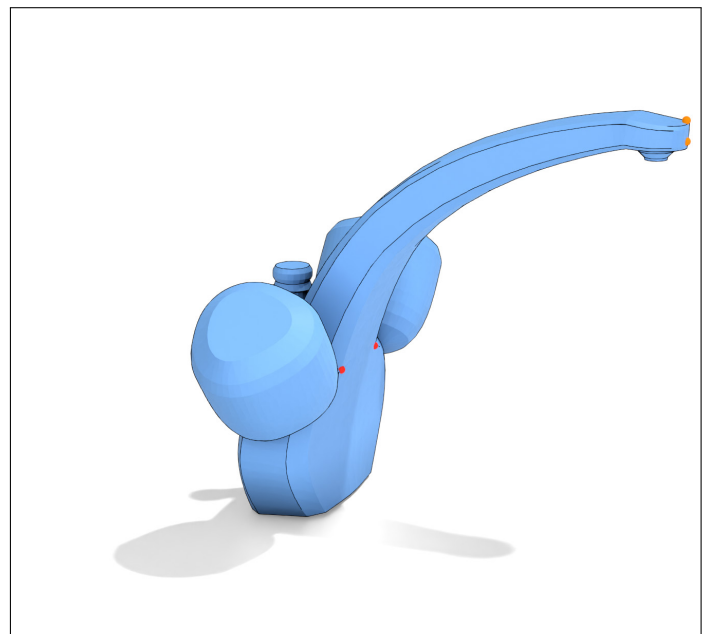# Question 90: Ours: 9, Our 3D ALUP: 0, Both: 1, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
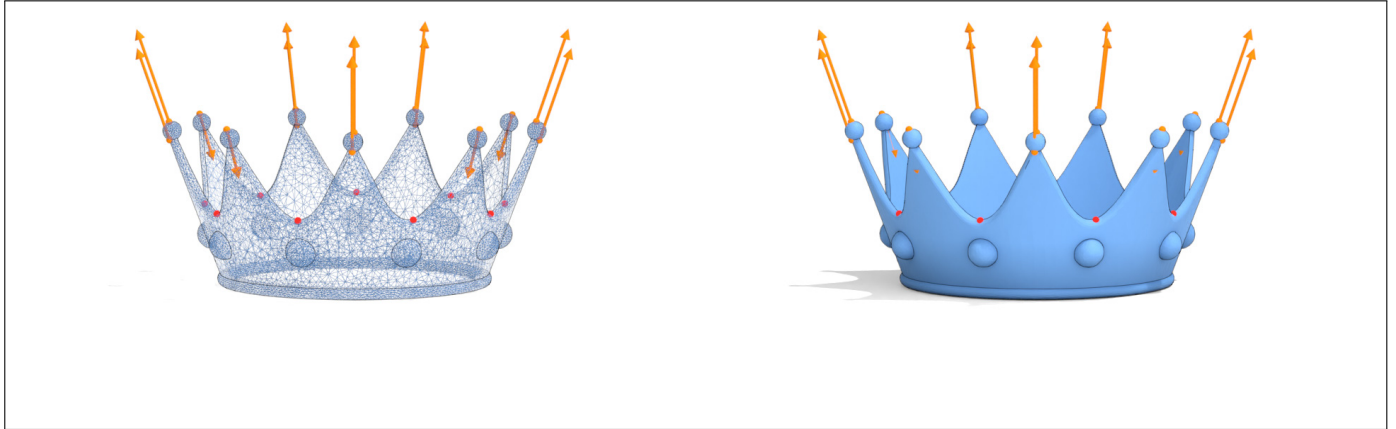

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
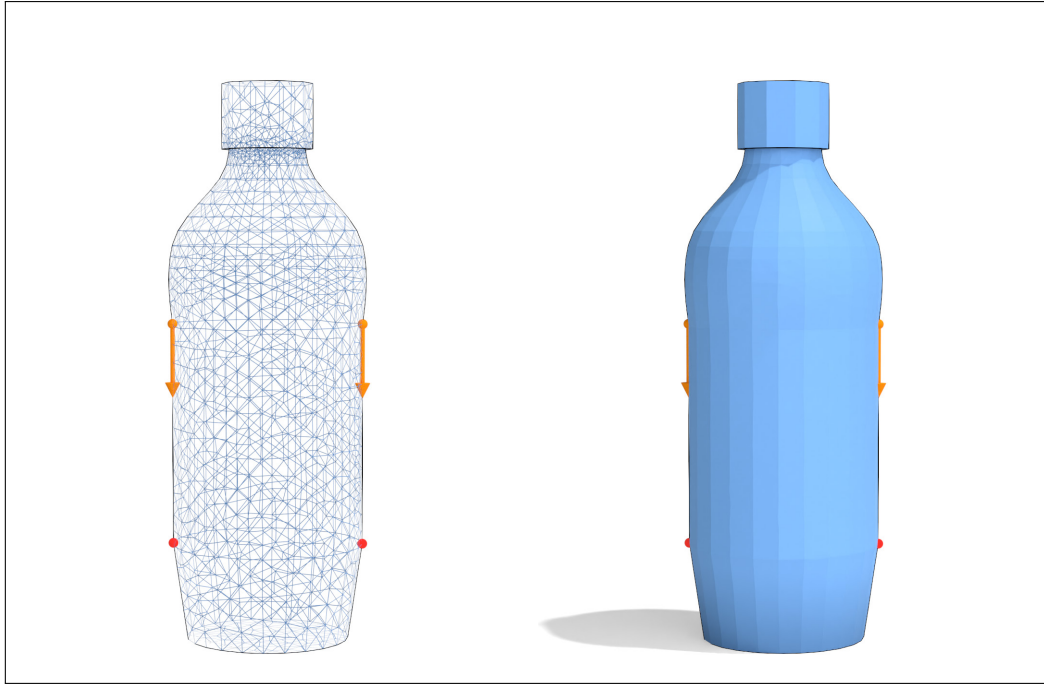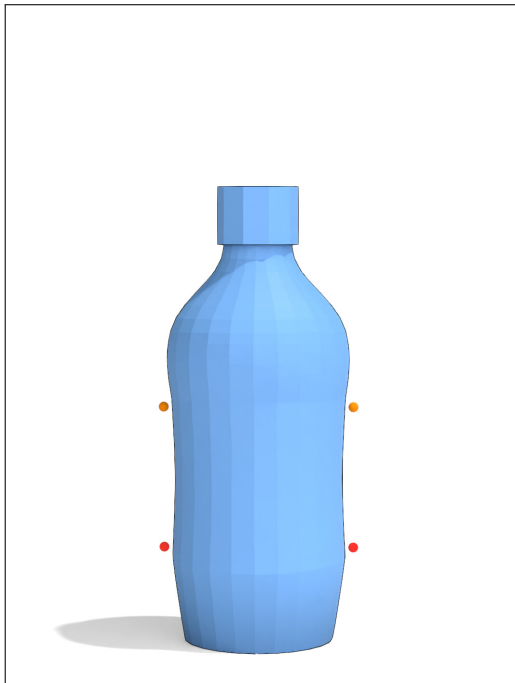

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 92: Ours: 9, Our 3D ALUP: 0, Both: 1, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
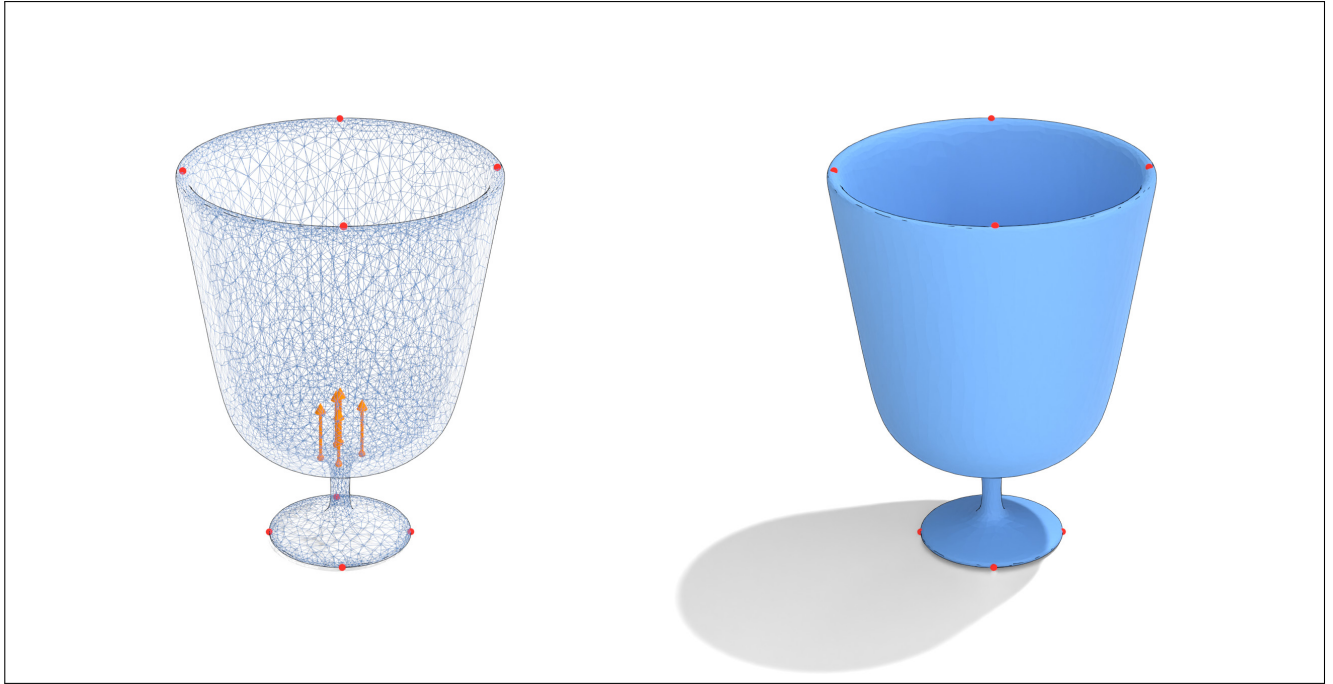

(A)

(B)

(C)

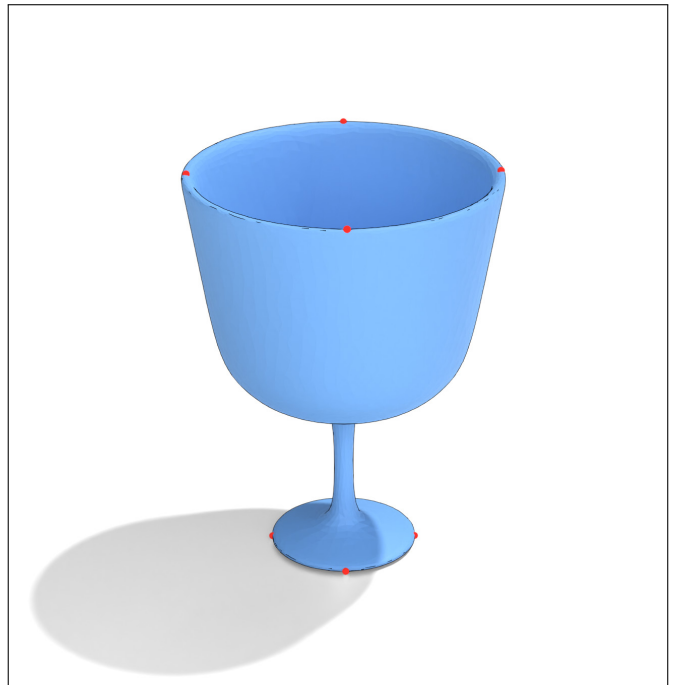○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
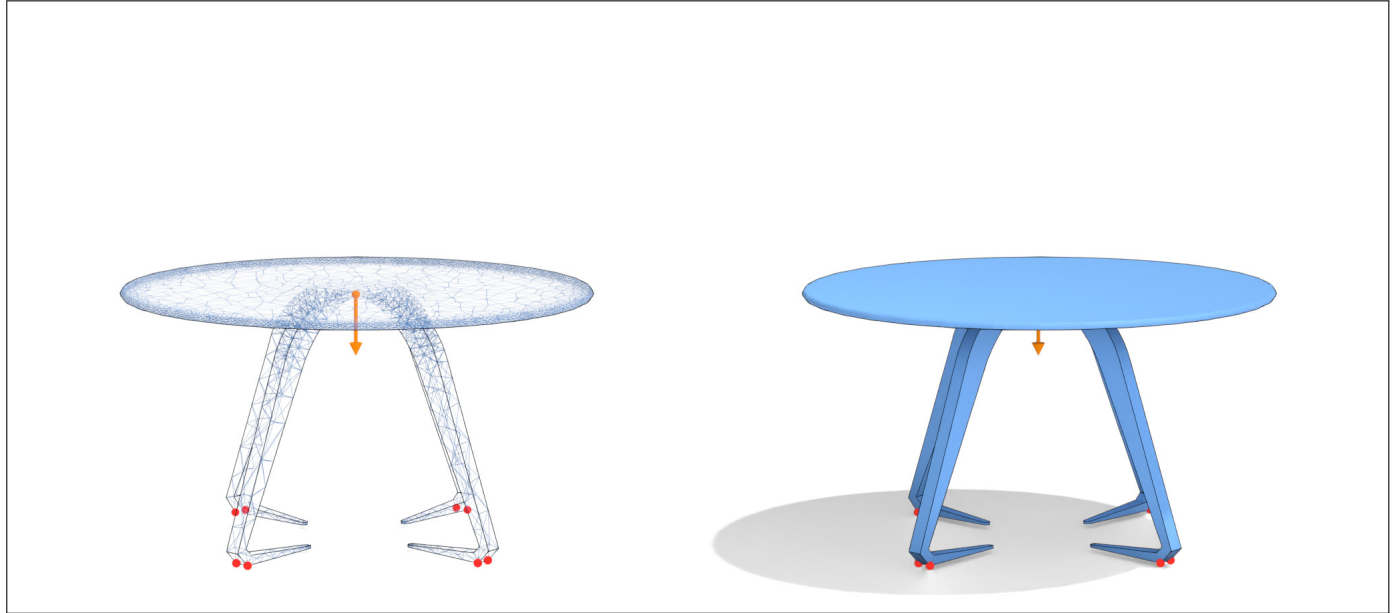

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
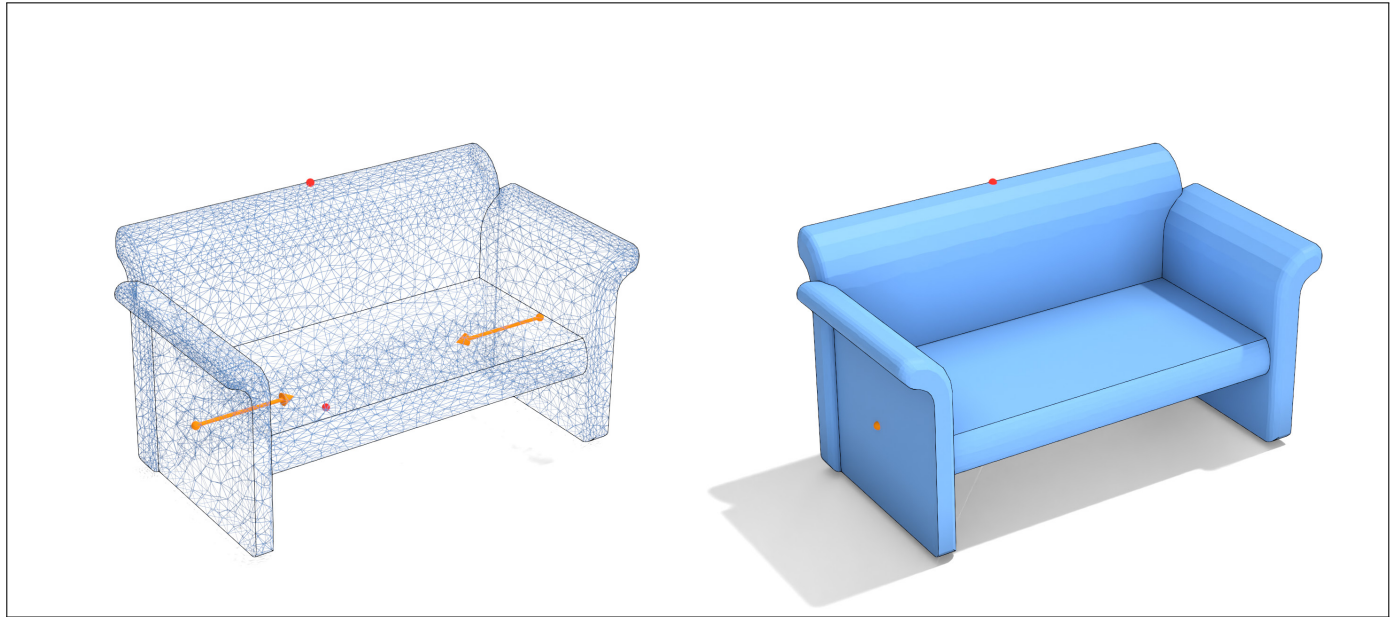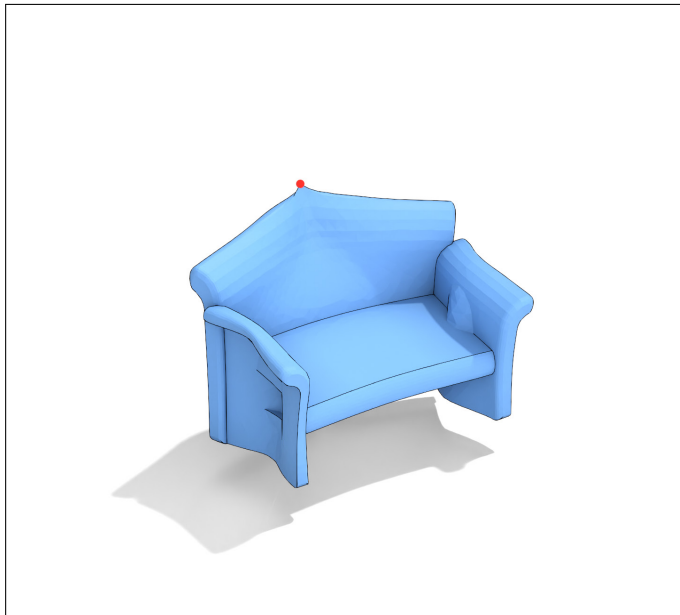

(A)

(B)

(C)

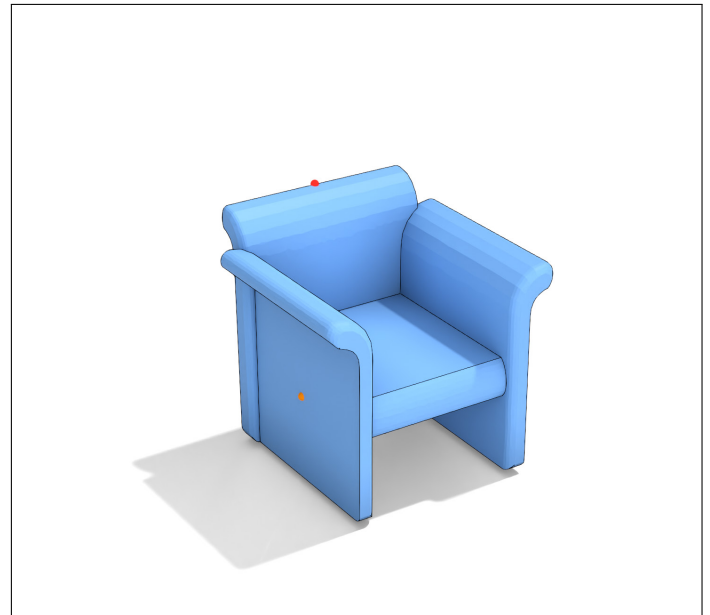○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
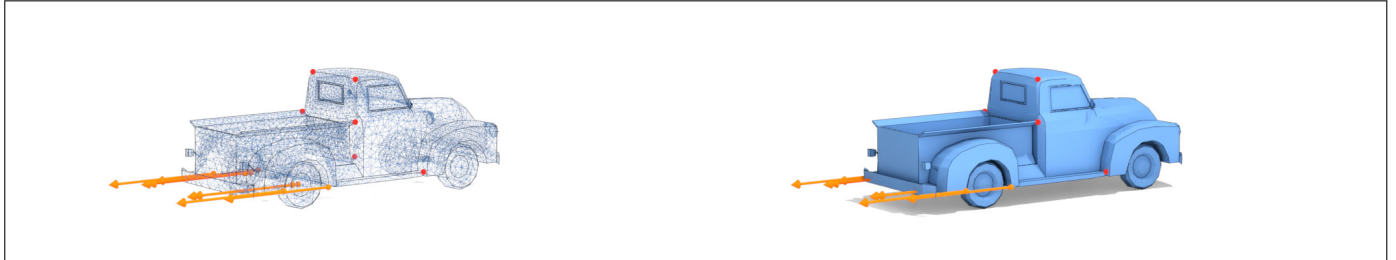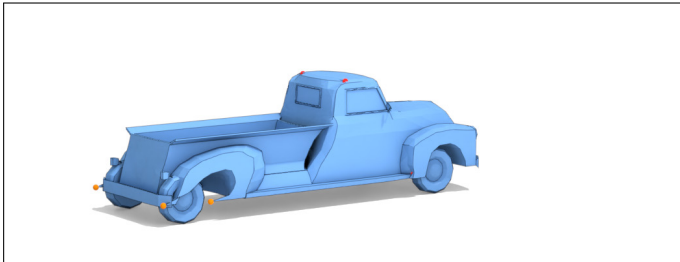

(A)

(B)

(C)

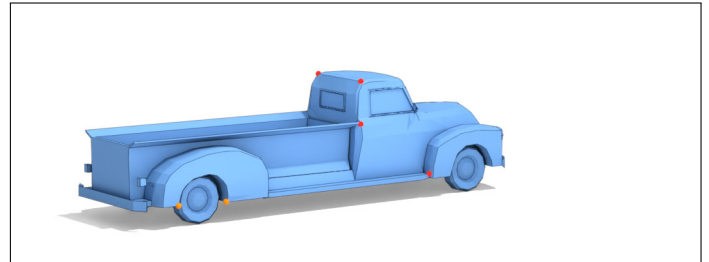○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
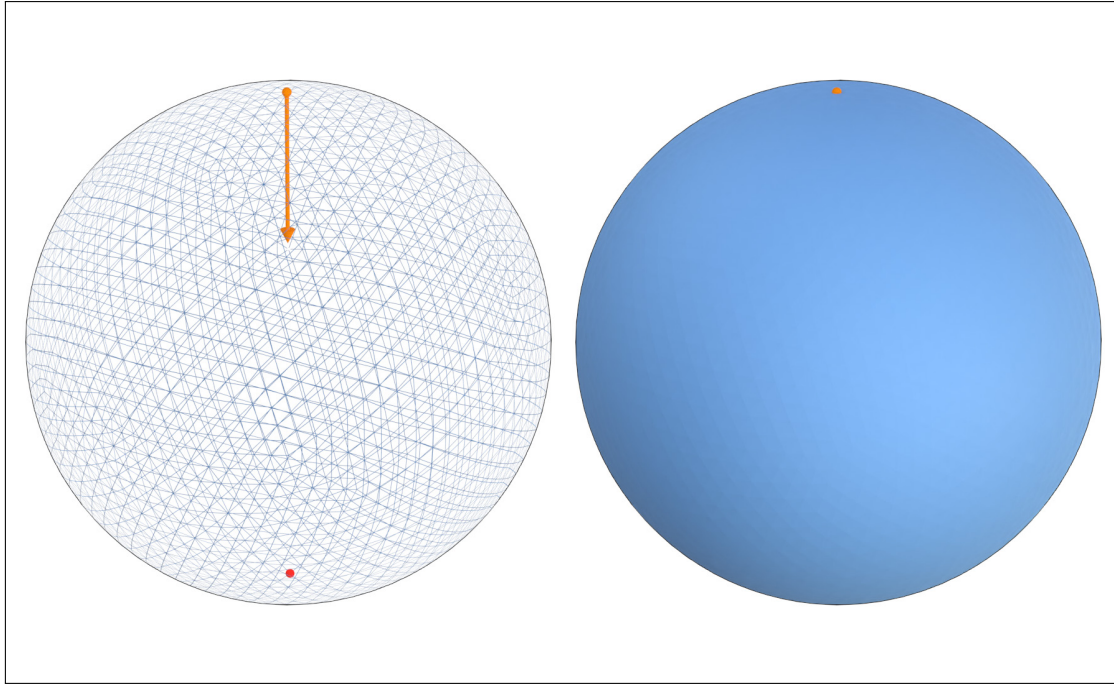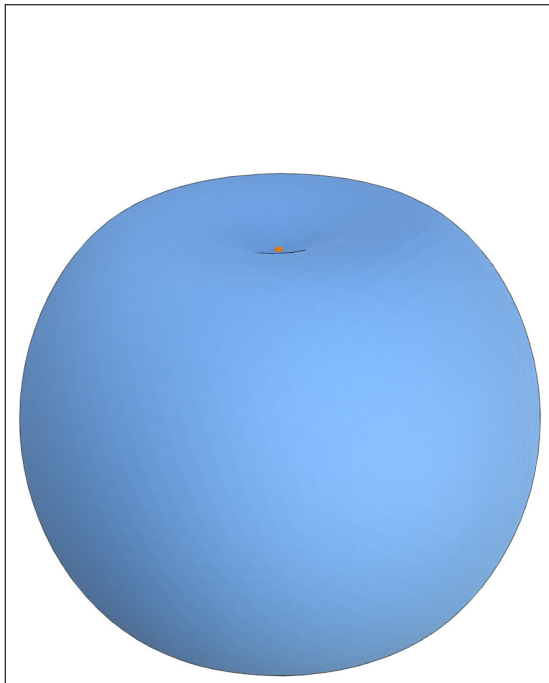

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

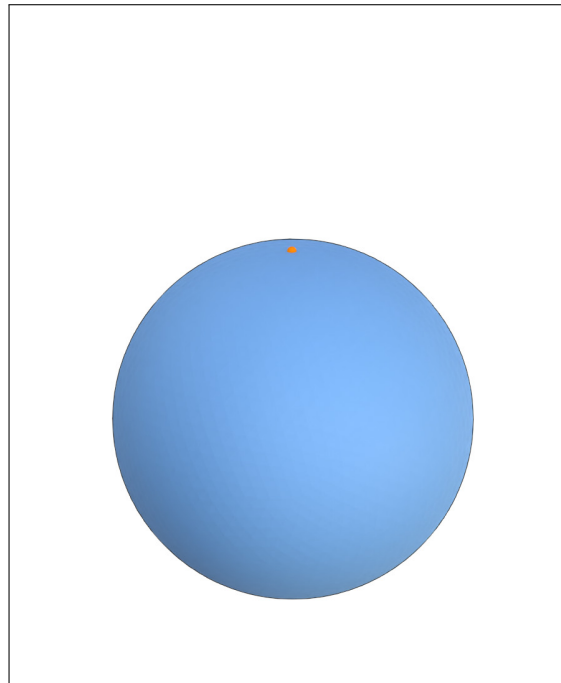## Question 97: Ours: 8, ARAP: 1, Both: 0, Neither: 1

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
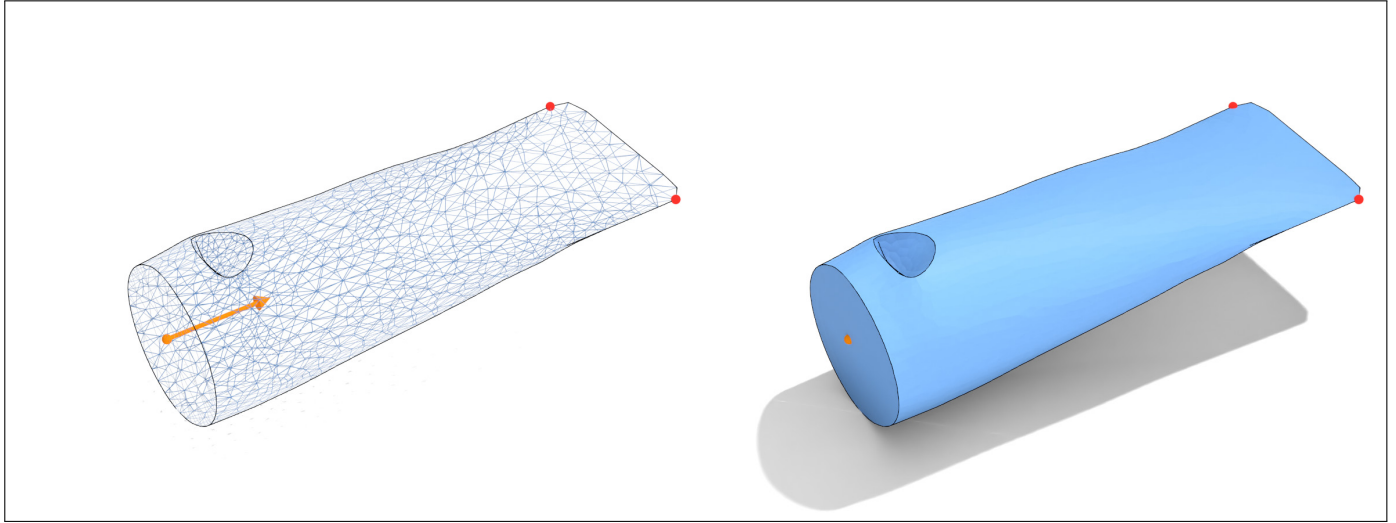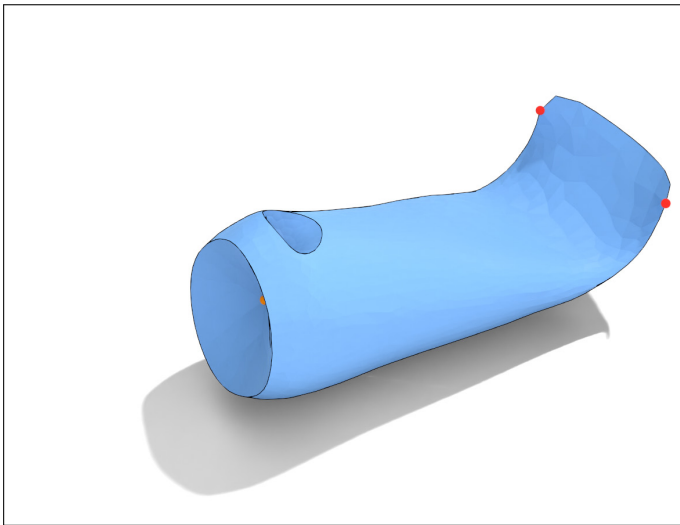

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

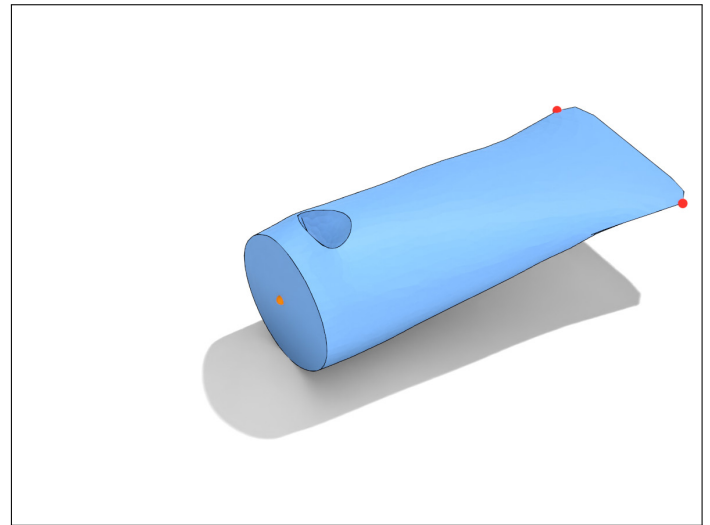# Question 98: Ours: 9, ARAP: 0, Both: 0, Neither: 1

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
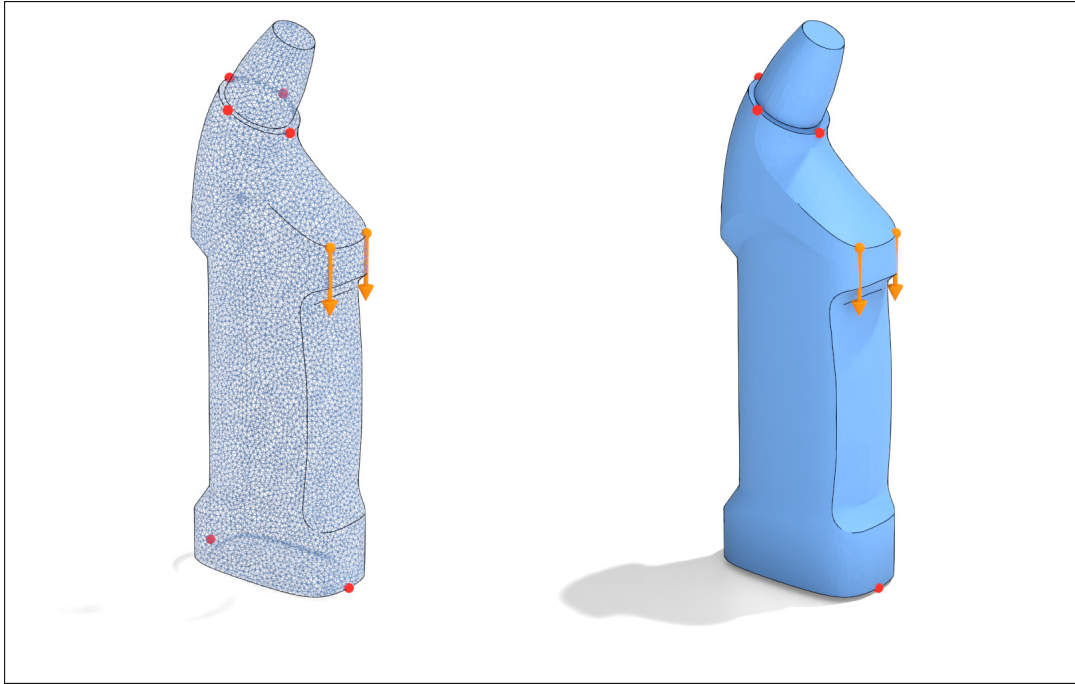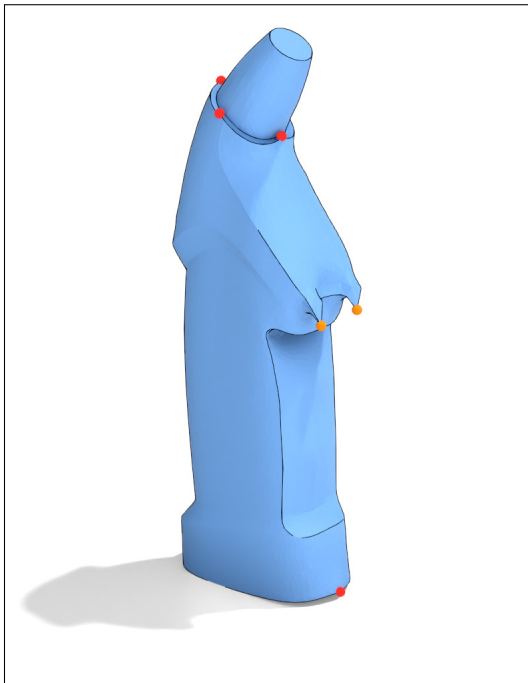

(A)

(B)

(C)

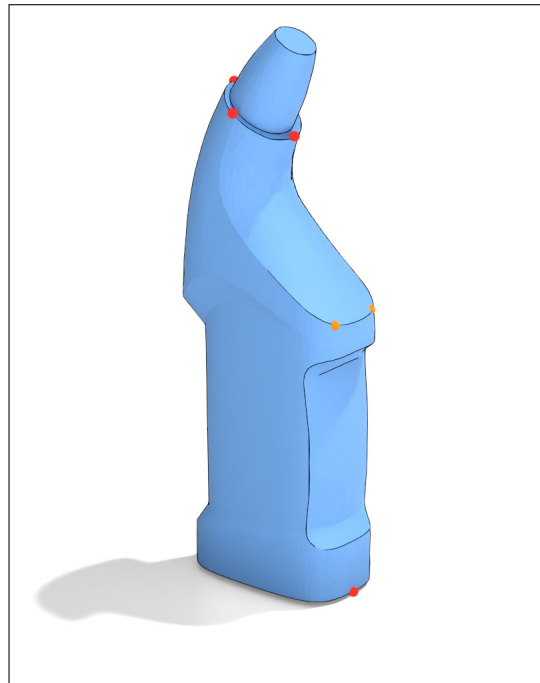◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
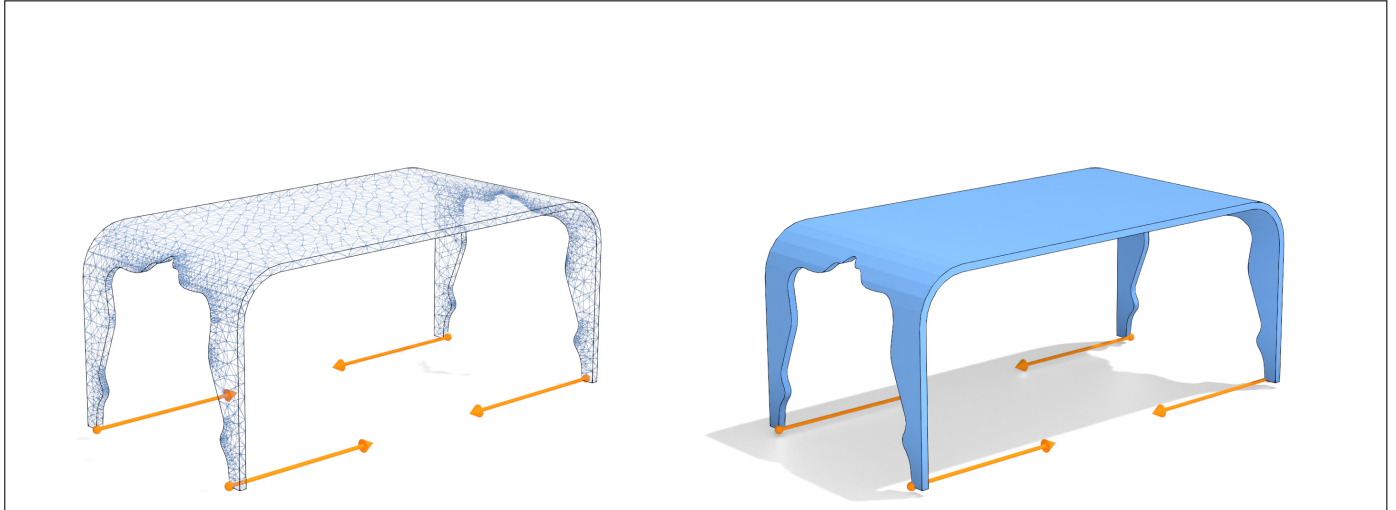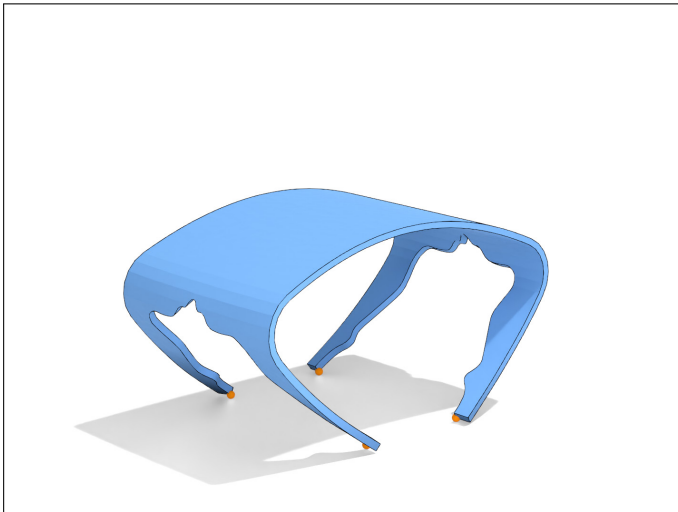

(A)

(B)

(C)

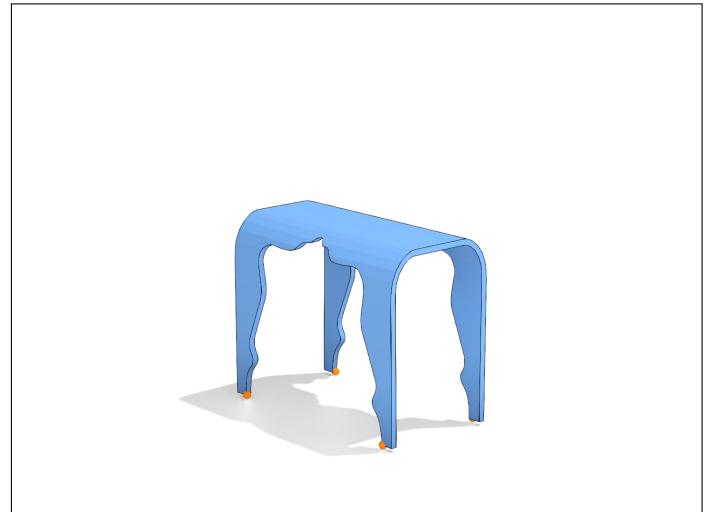○ (B)　　○ (C)　　○ Both are equally close　　○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
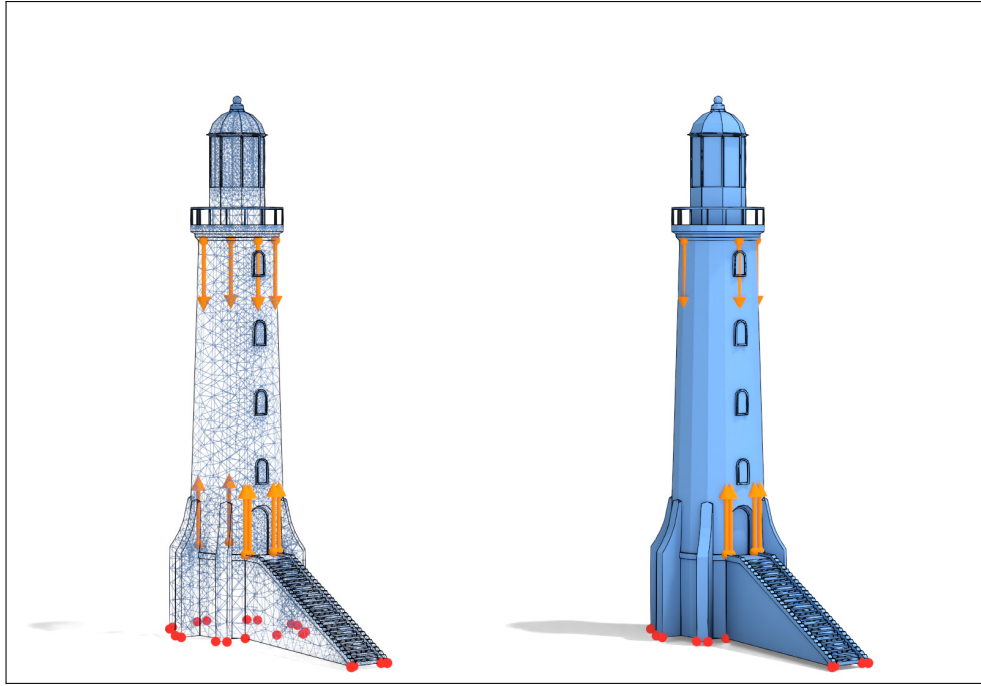

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
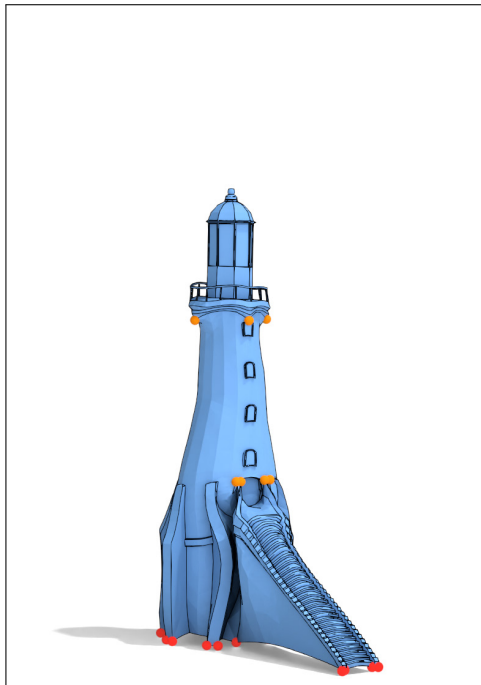

(A)

(B)

(C)

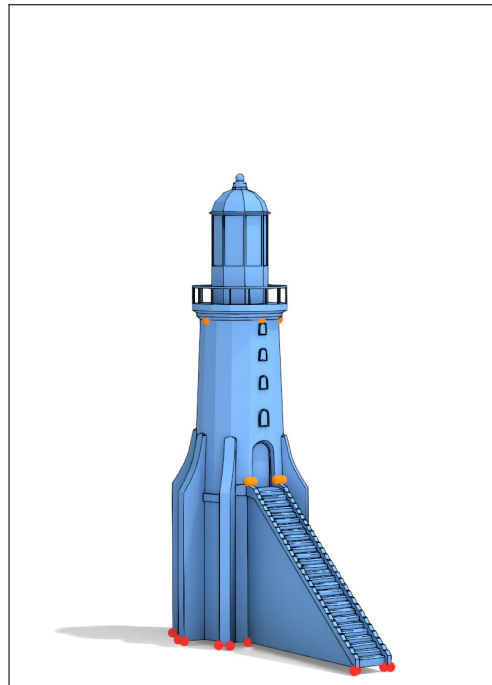○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
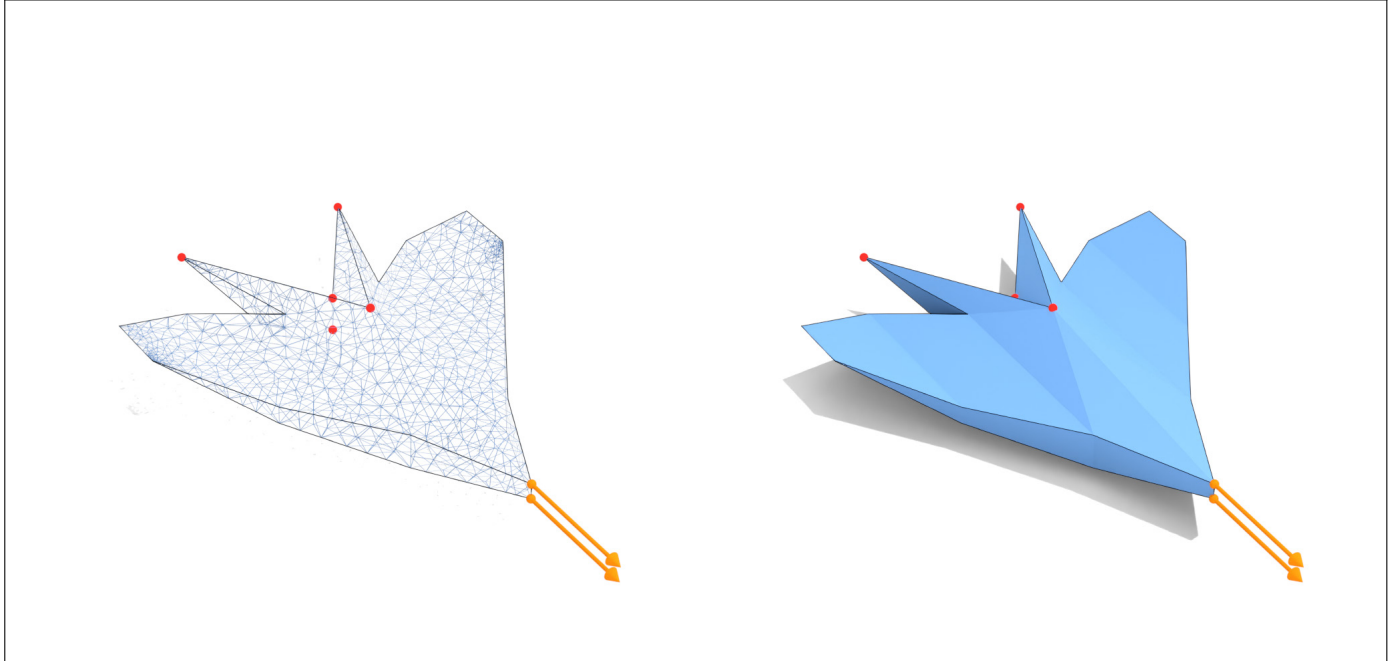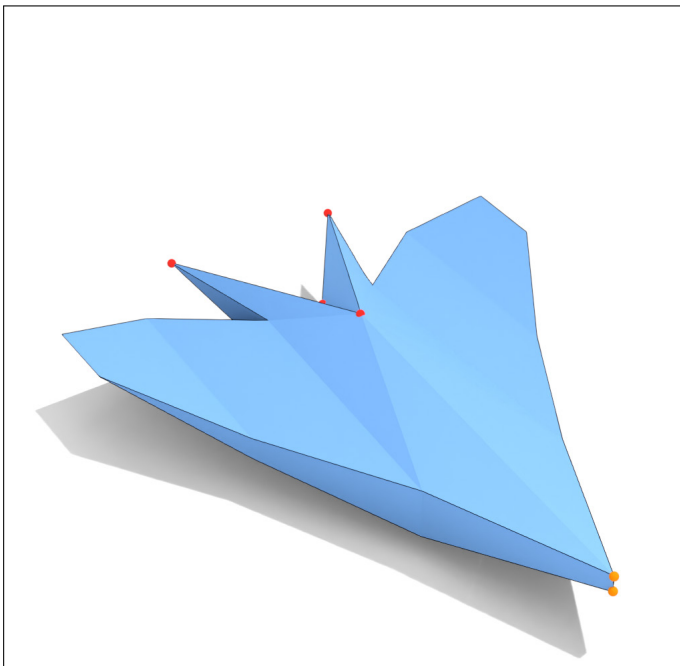

(A)

(B)

(C)

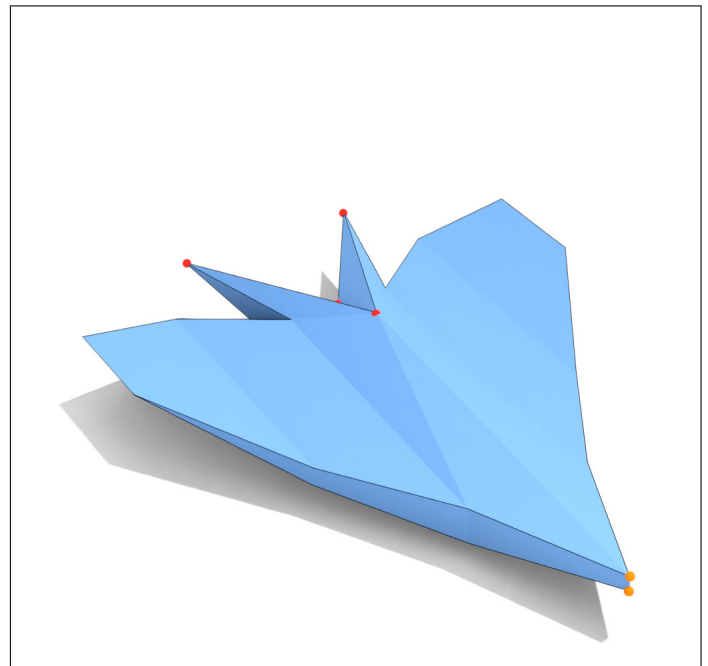○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
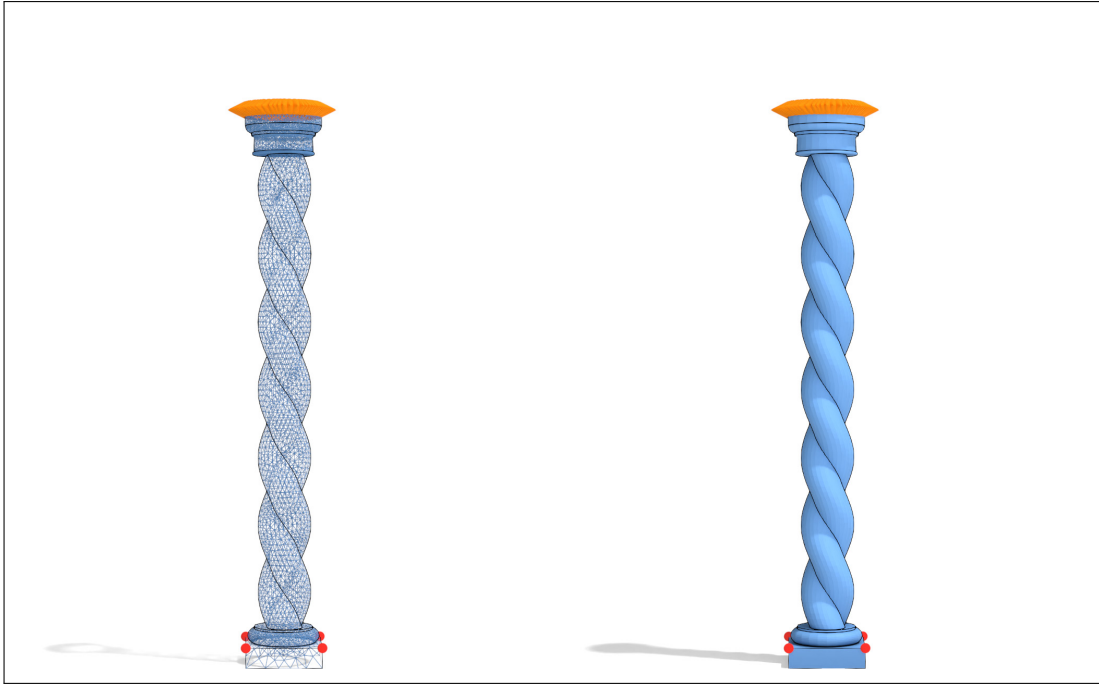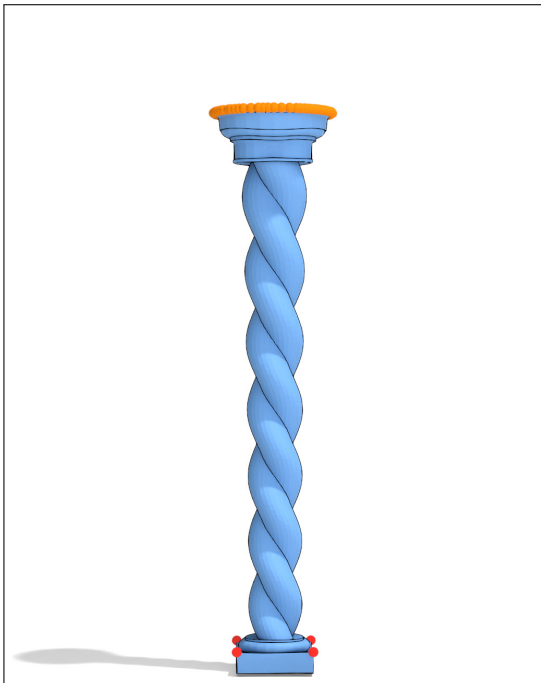

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
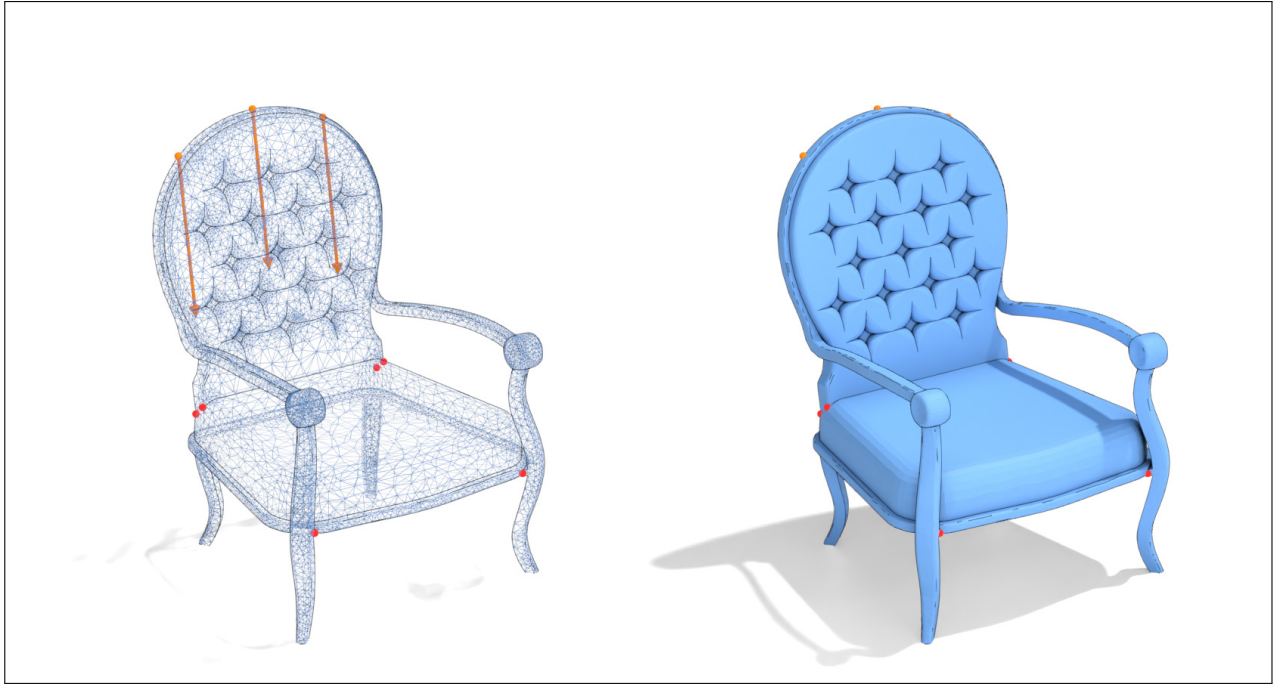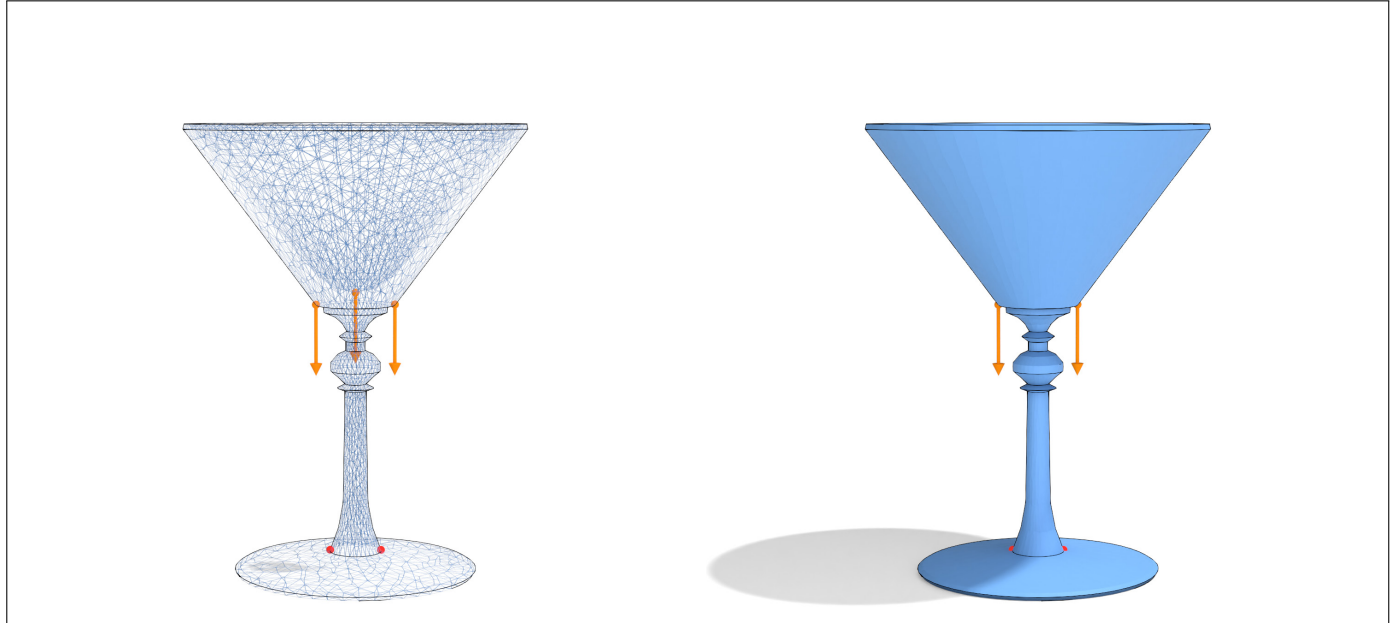

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 105: Ours: 6, Poisson: 1, Both: 1, Neither: 2

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
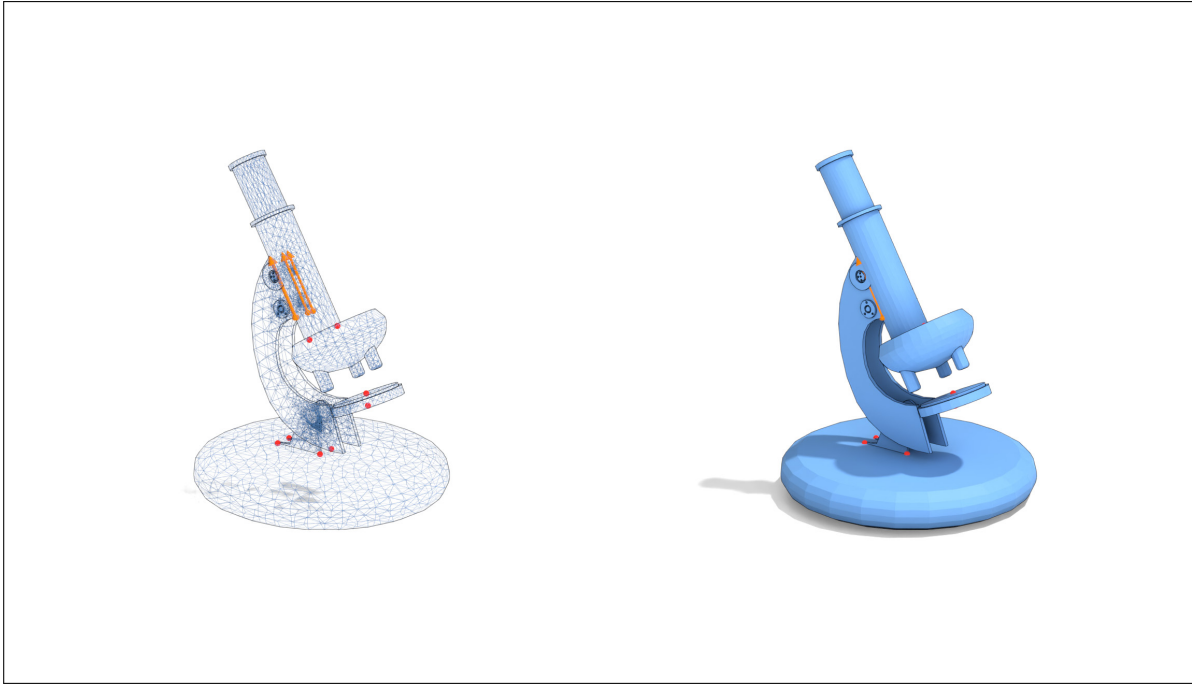

(A)

(B)

(C)

◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
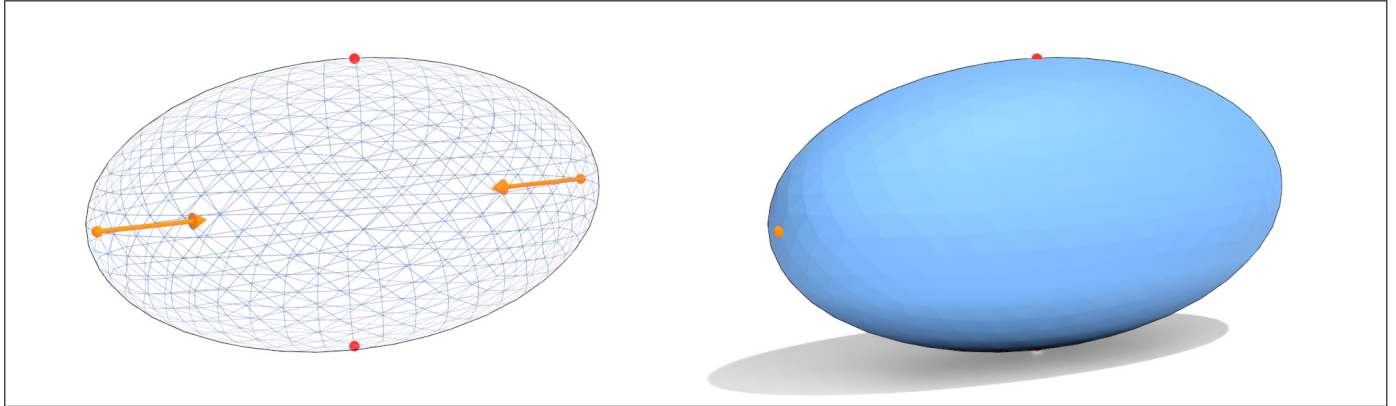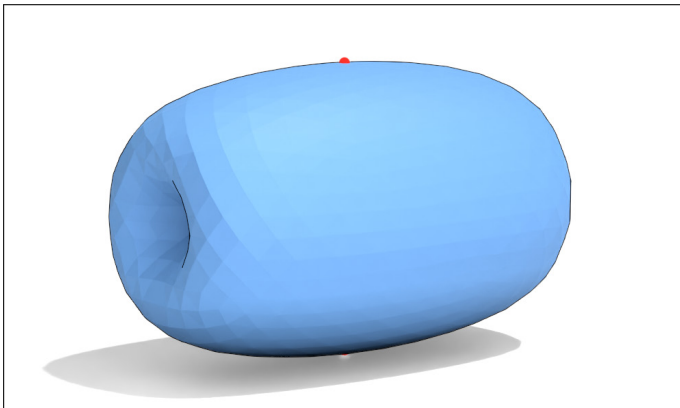

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close
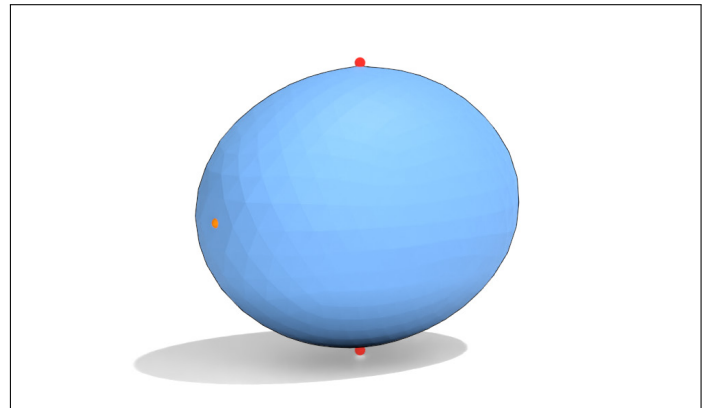
111

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
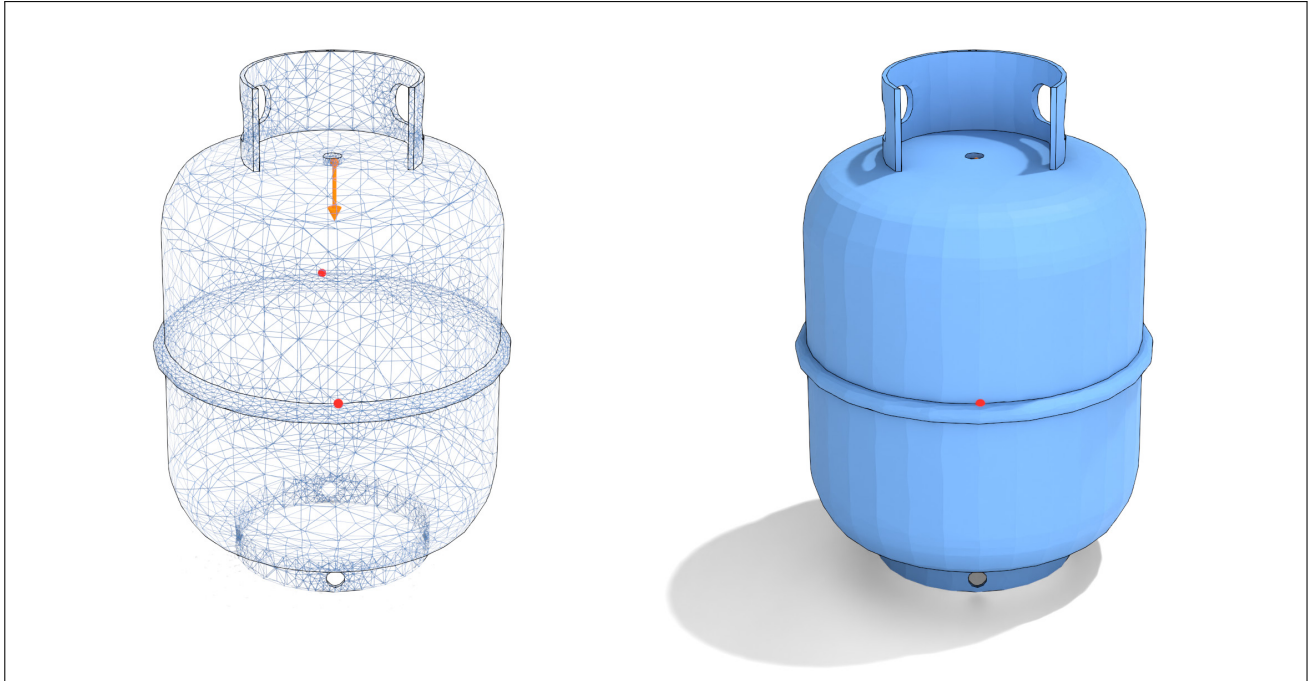

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

Question 108: Ours: 10, Conformal: 0, Both: 0, Neither: 0

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
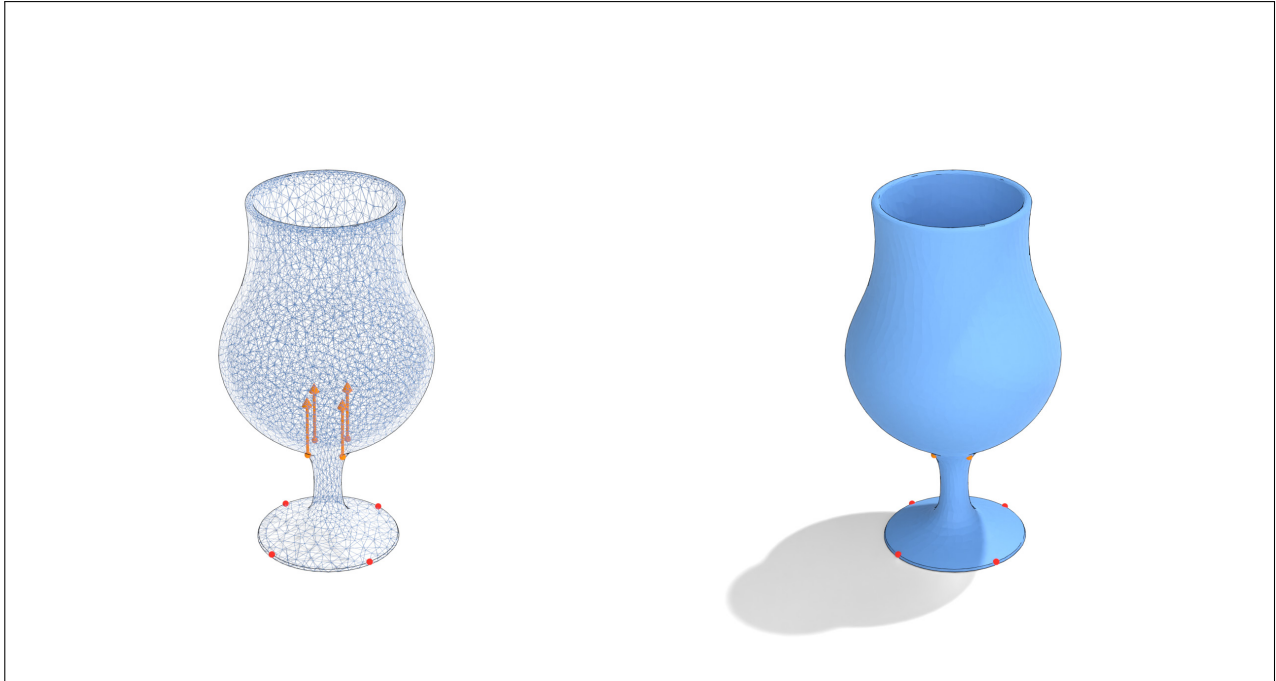

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
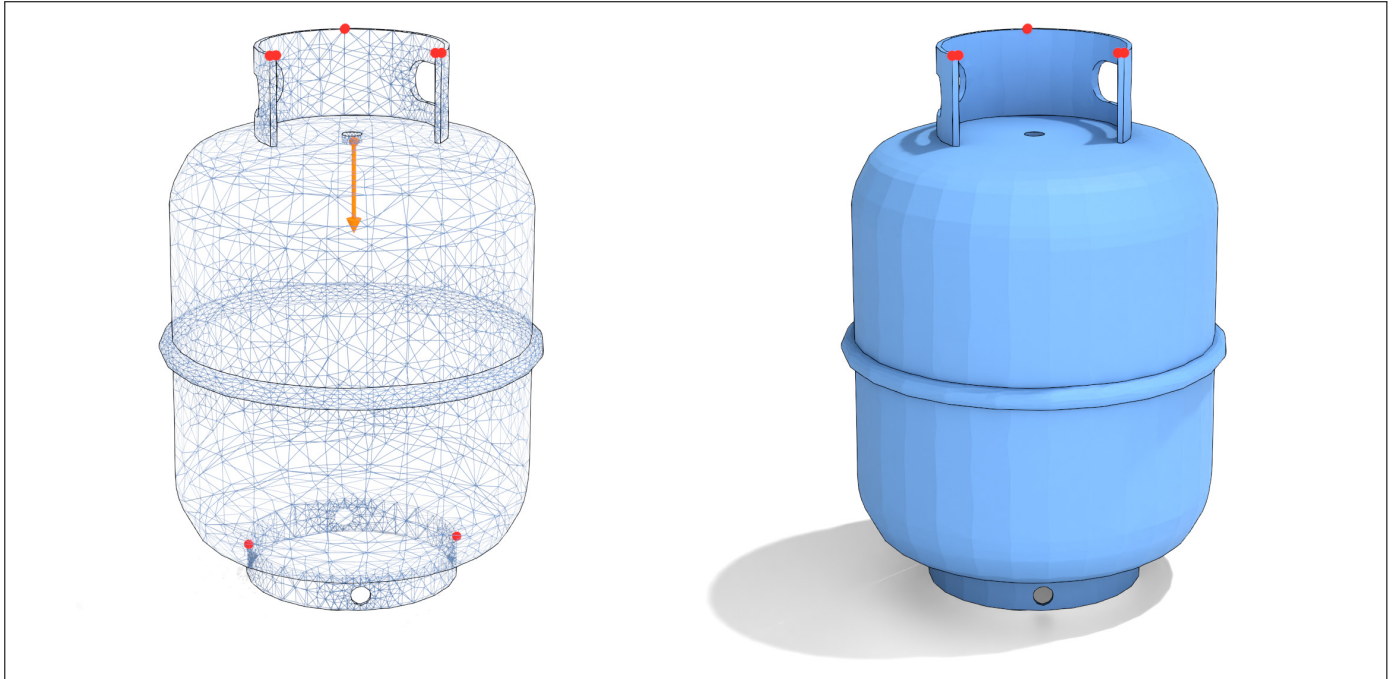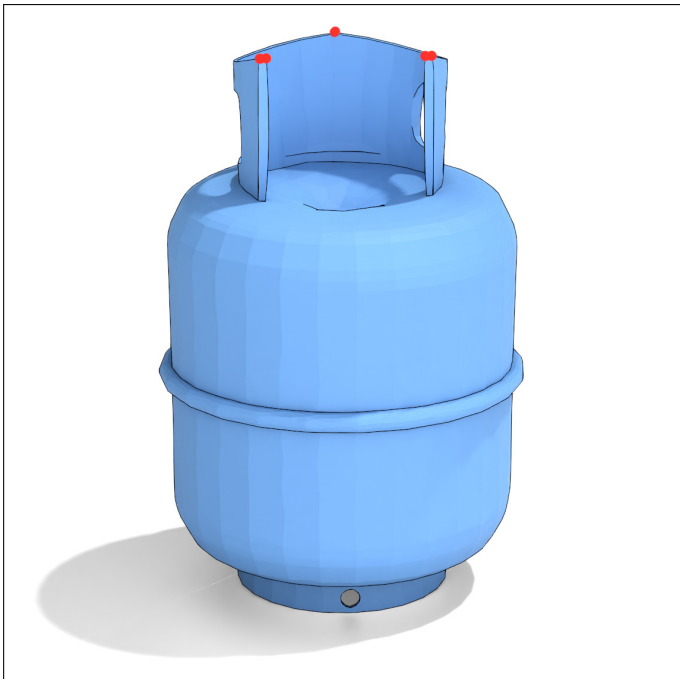

(A)

(B)

(C)

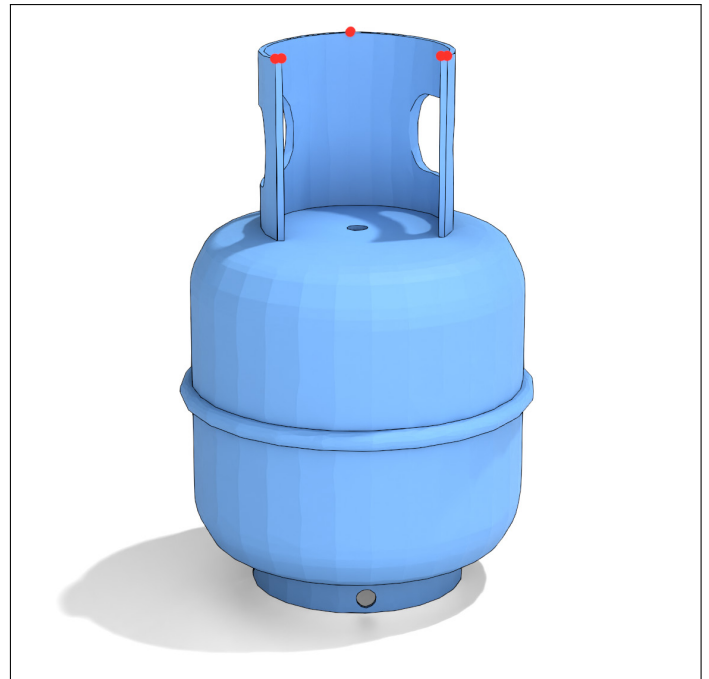◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
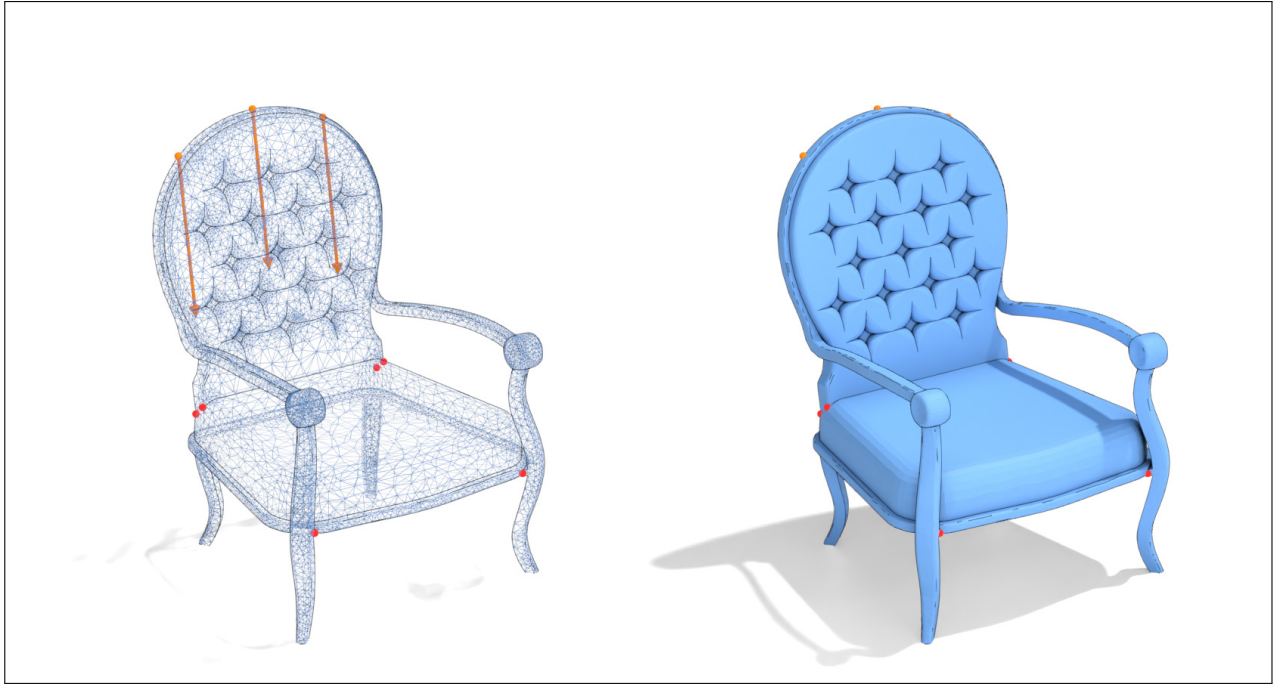

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
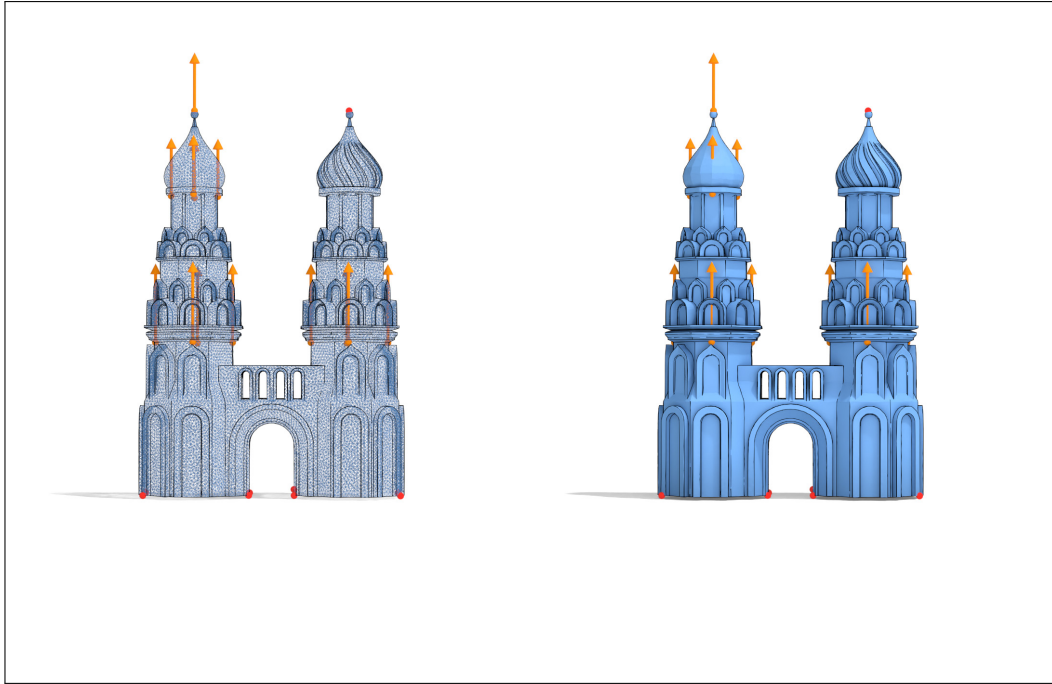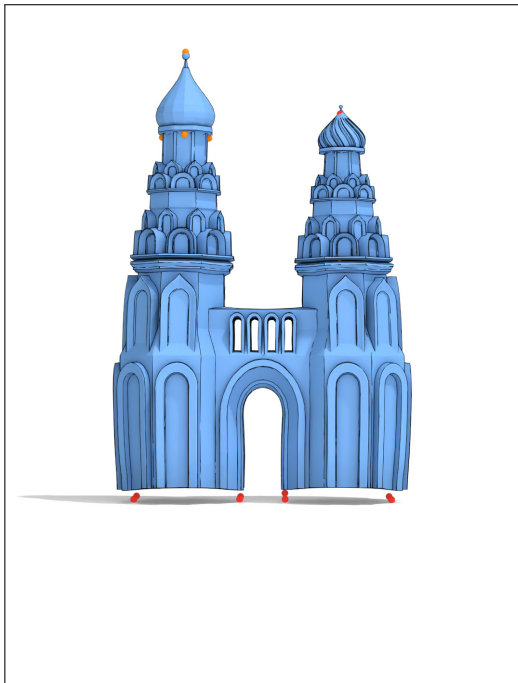

(A)

(B)

(C)

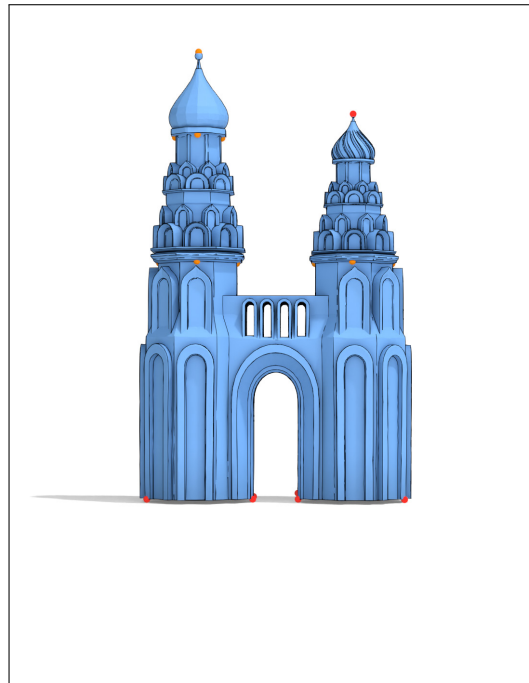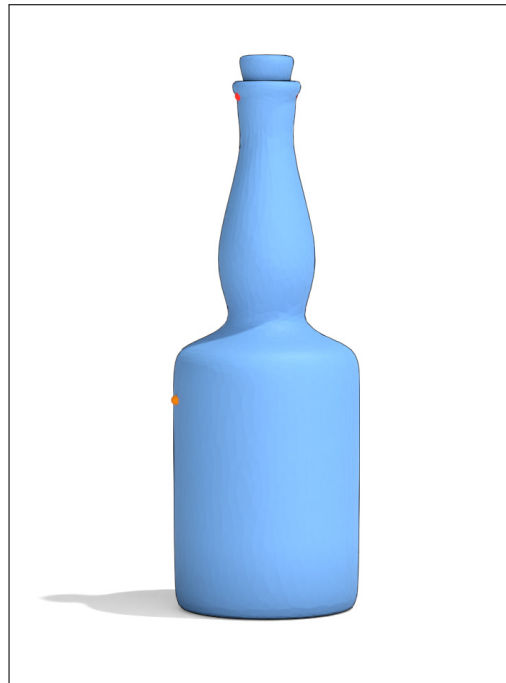○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
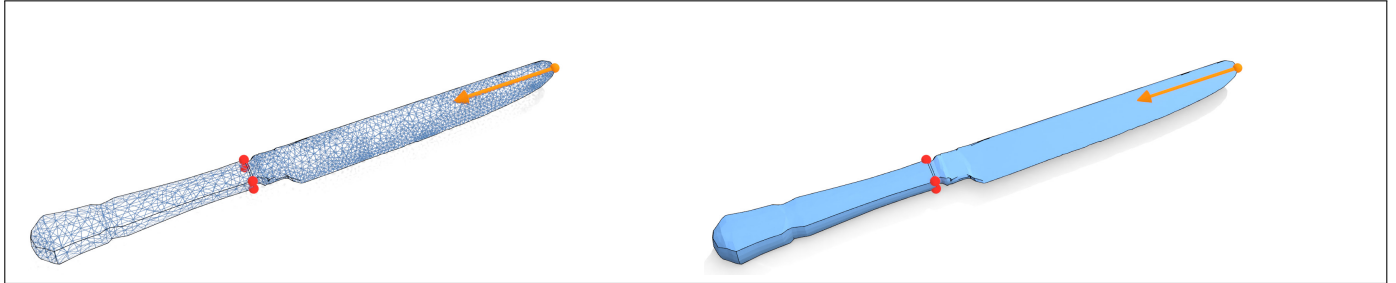

(A)

(B)

(C)

○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

The images on the top (A) include an object and a suggested resizing/rescaling/proportion change edit indicated via handle displacement gestures. The orange points are moved as suggested by the arrows, while the red points are held in place. The wireframe rendering is provided to better visualize partially occluded displacements when present. Mentally perform the suggested resizing/rescaling/proportion change. Which of the objects on the bottom (B) or (C) comes closer to the edit you envisioned?
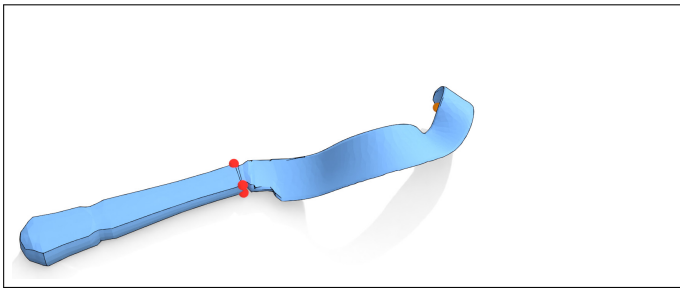

(A)

(B)

(C)

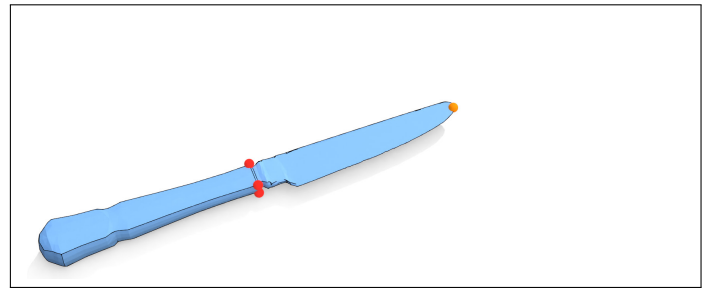○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

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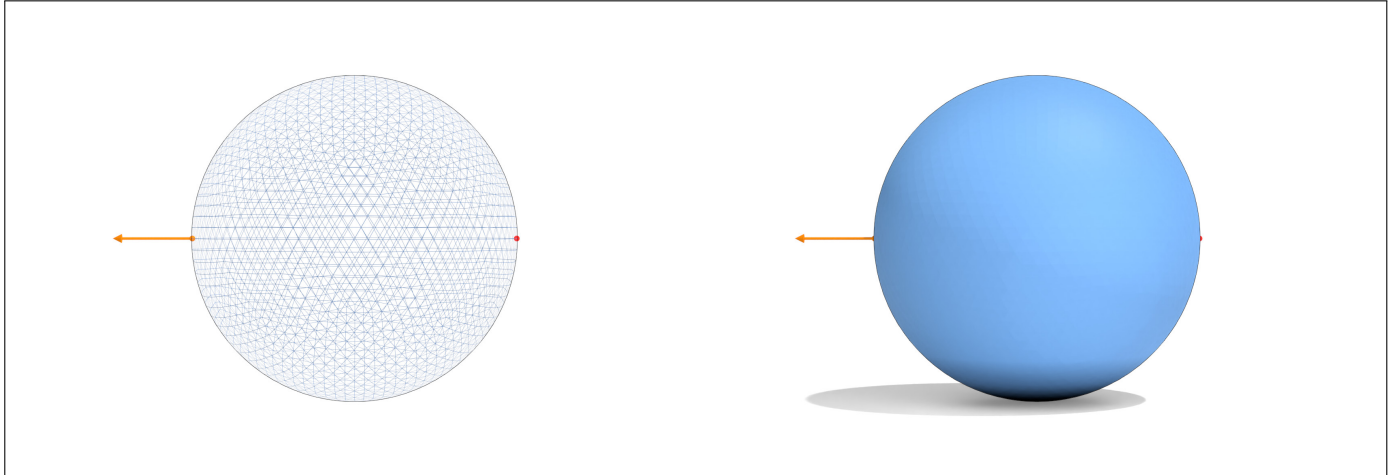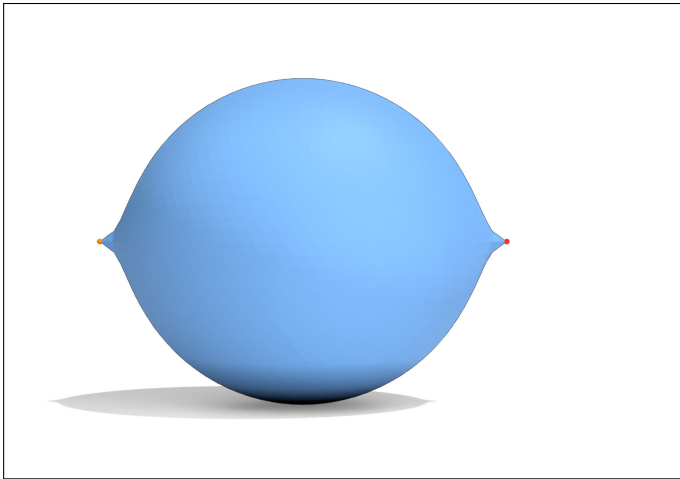

(A)

(B)

(C)

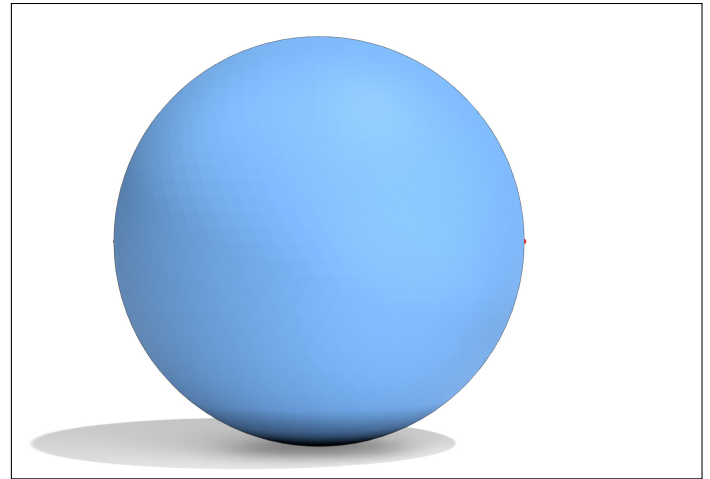○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

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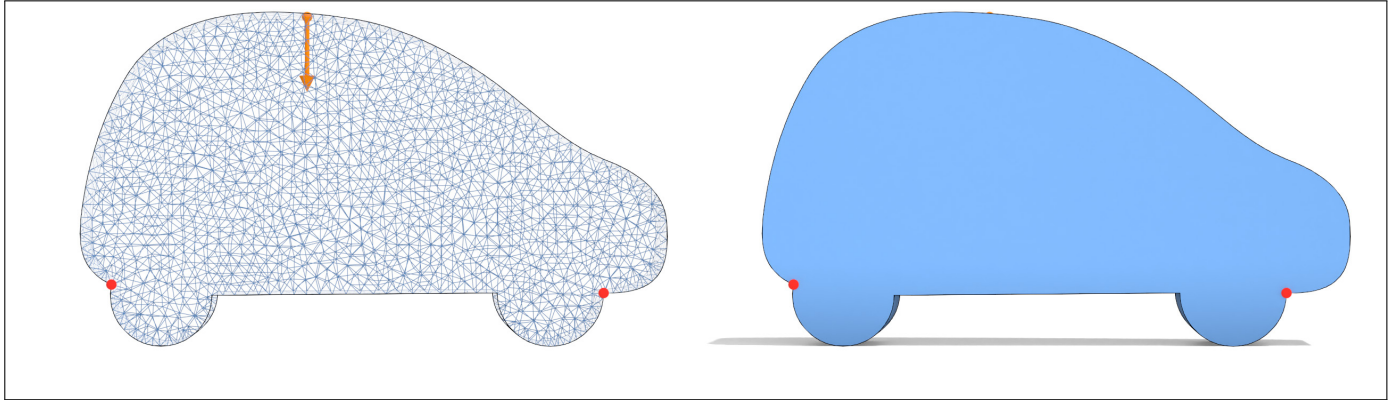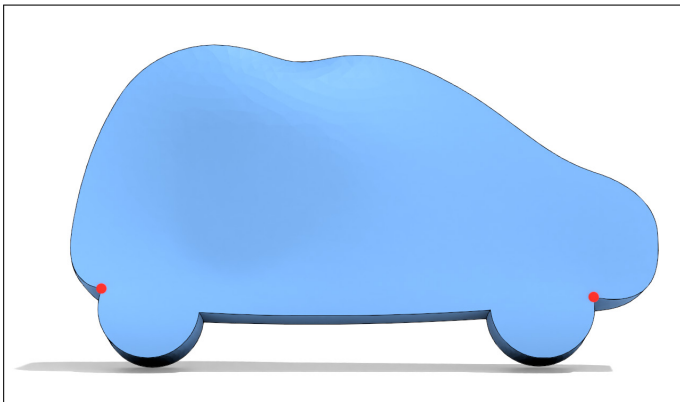
(A)

(B)

(C)

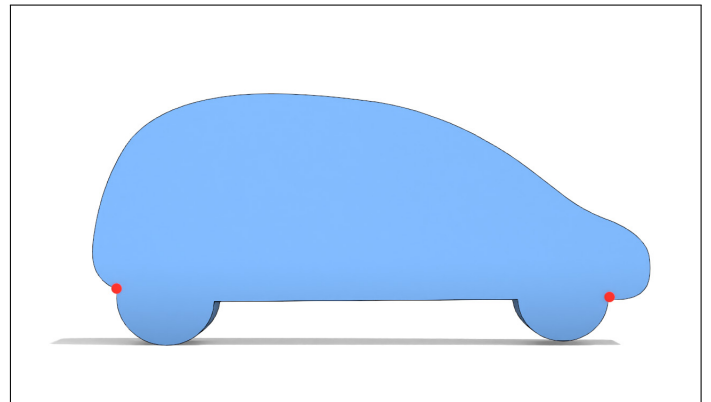◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

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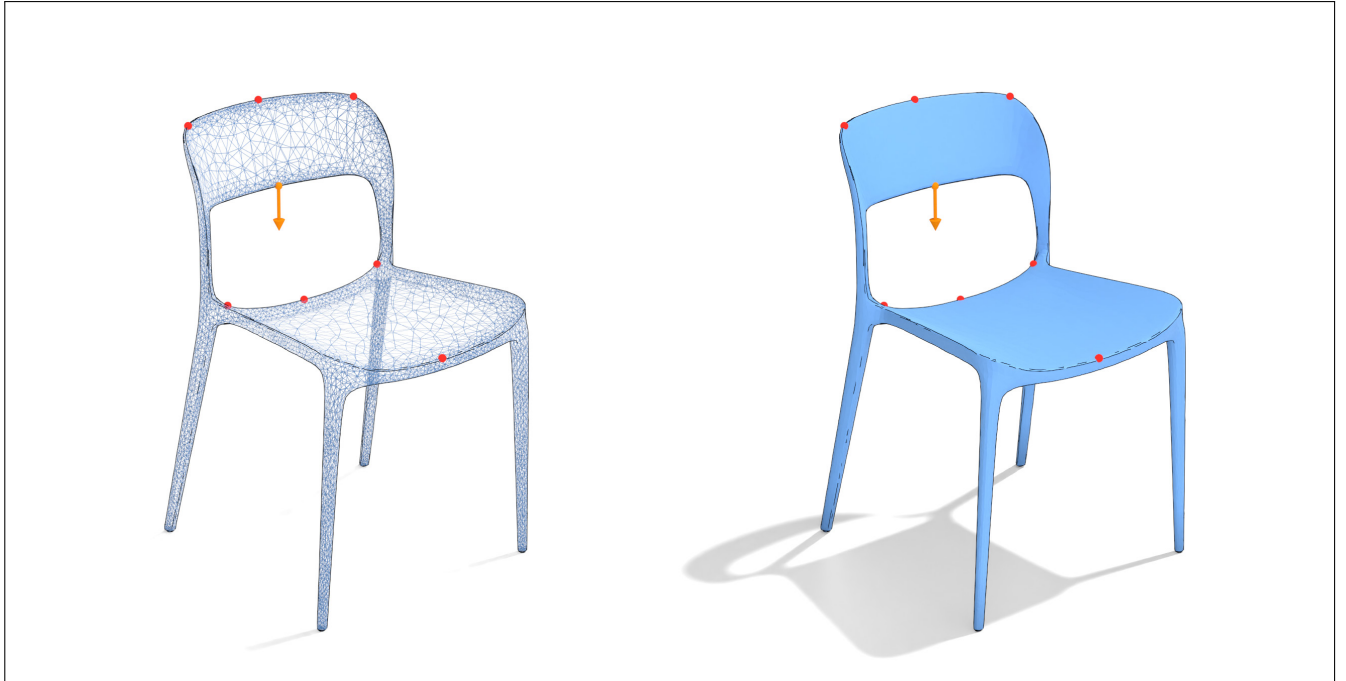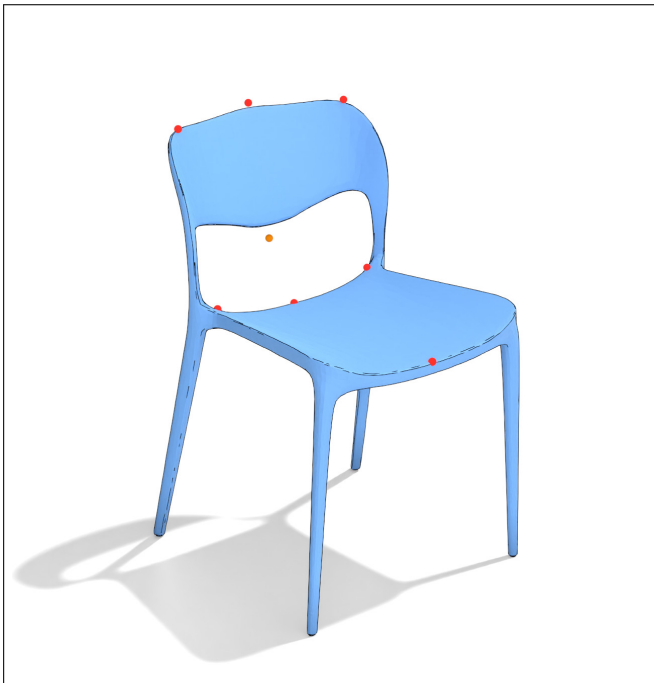

(A)

(B)

(C)

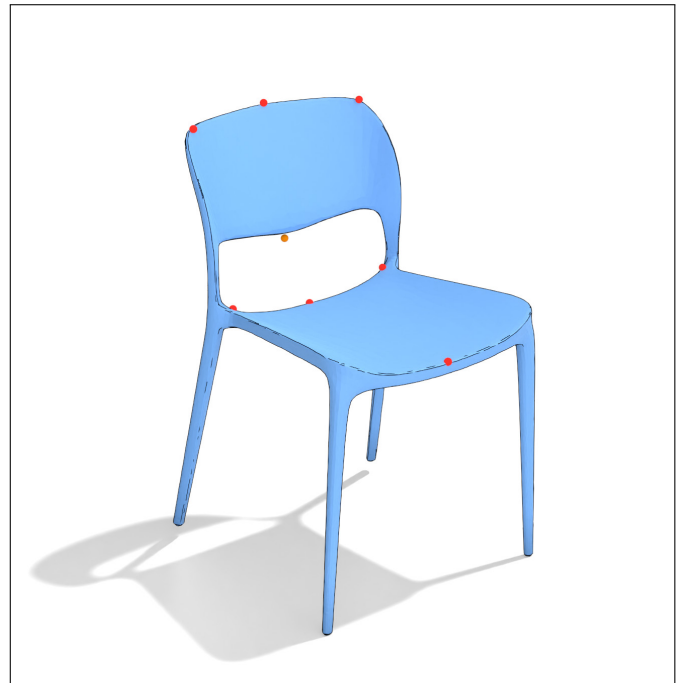○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

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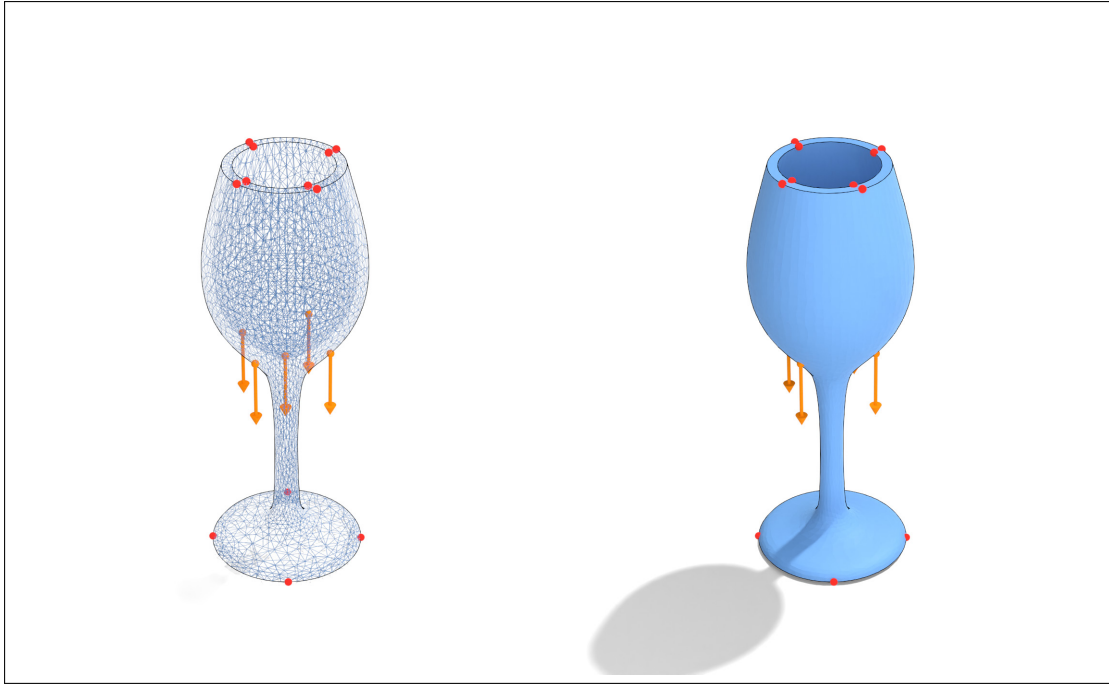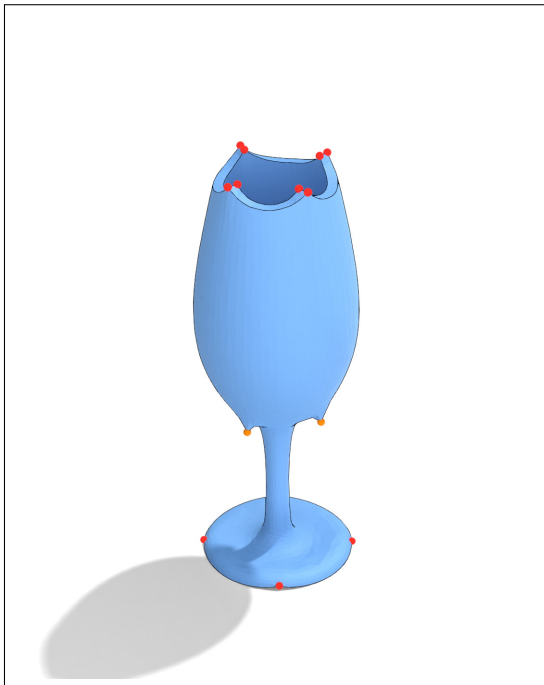

(A)

(B)

(C)

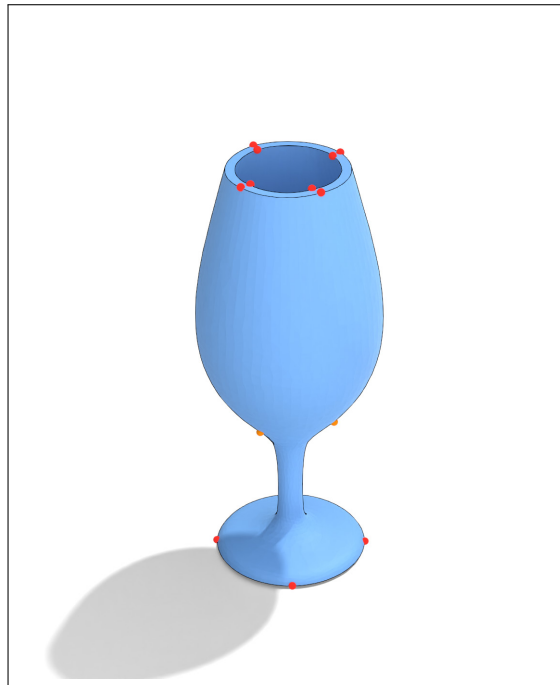○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

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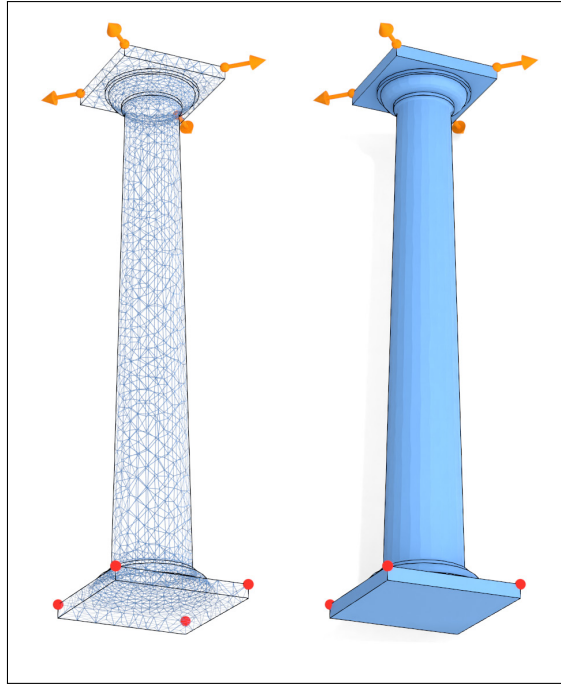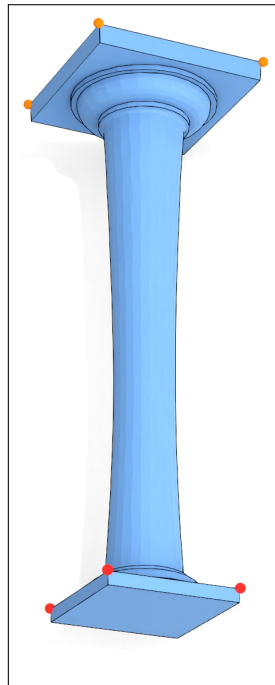

(A)

(B)

(C)

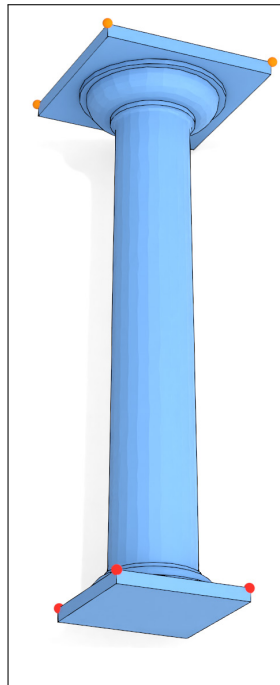◯ (B)   ◯ (C)   ◯ Both are equally close   ◯ Neither is close

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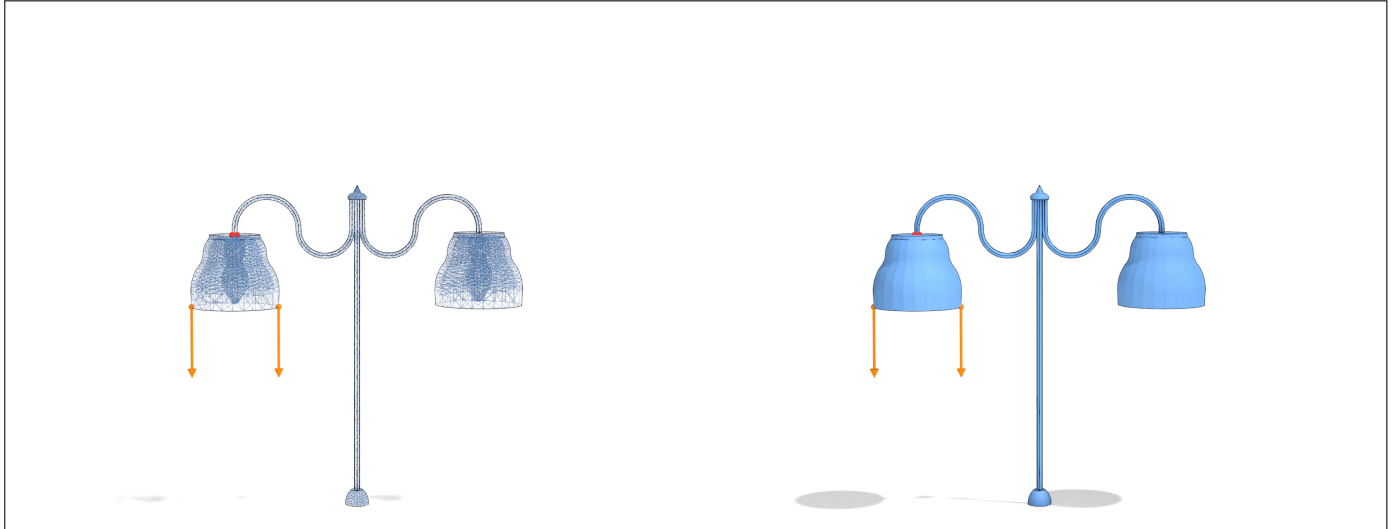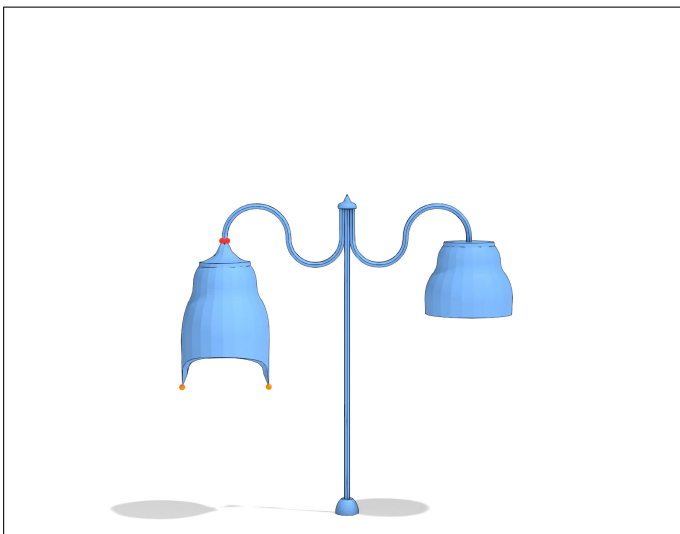

(A)

(B)   (C)

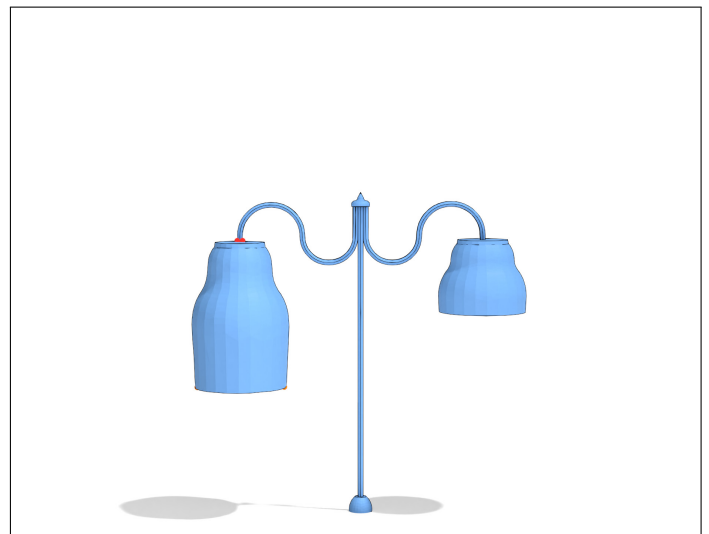○ (B)   ○ (C)   ○ Both are equally close   ○ Neither is close

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(A)

(B)

(C)

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