

Organizing Heterogeneous Scene Collection through Contextual Focal Points

Supplemental material: Full results of focal points and clusters

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Outline

- Tsinghua dataset:
 - [Focal points](#)
 - [Clusters](#)
- Stanford dataset:
 - [Focal points](#)
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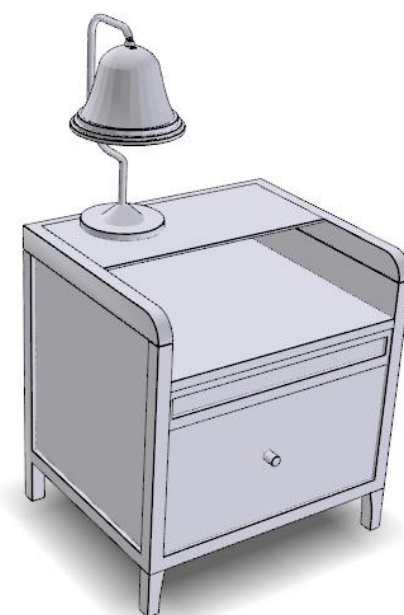
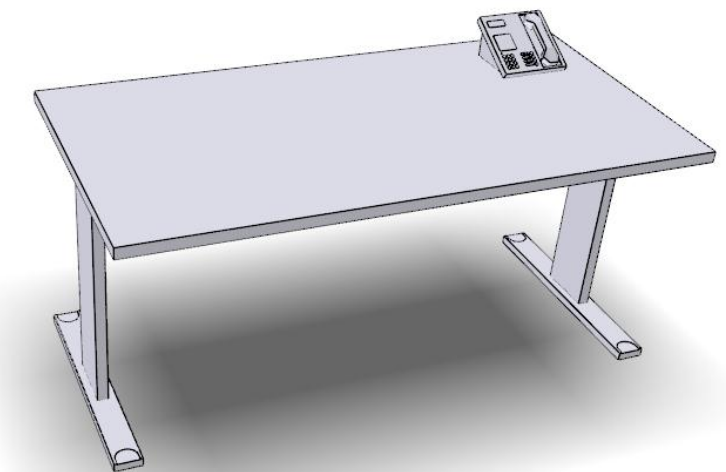
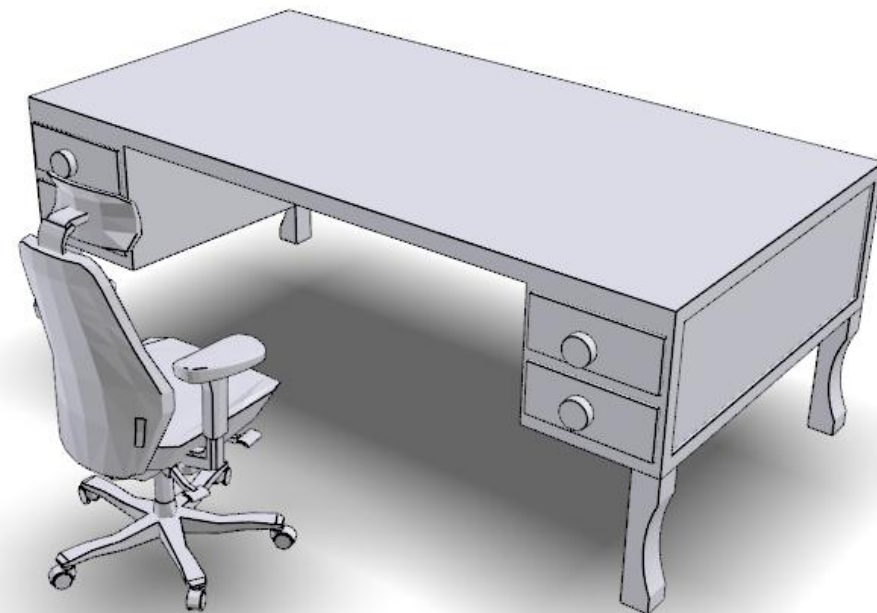
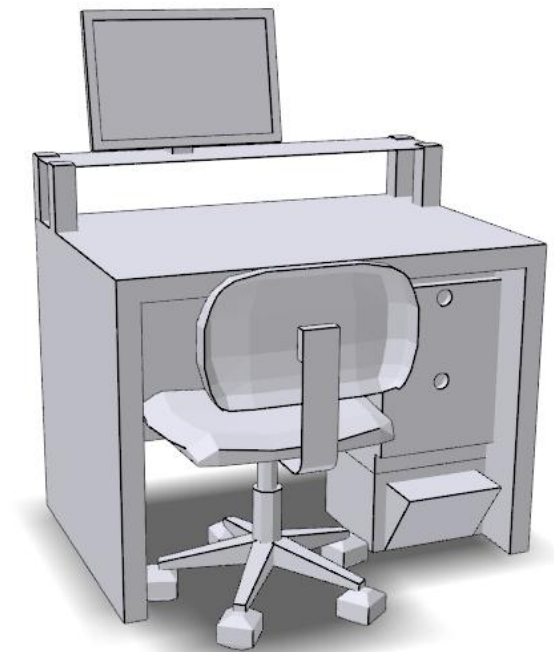
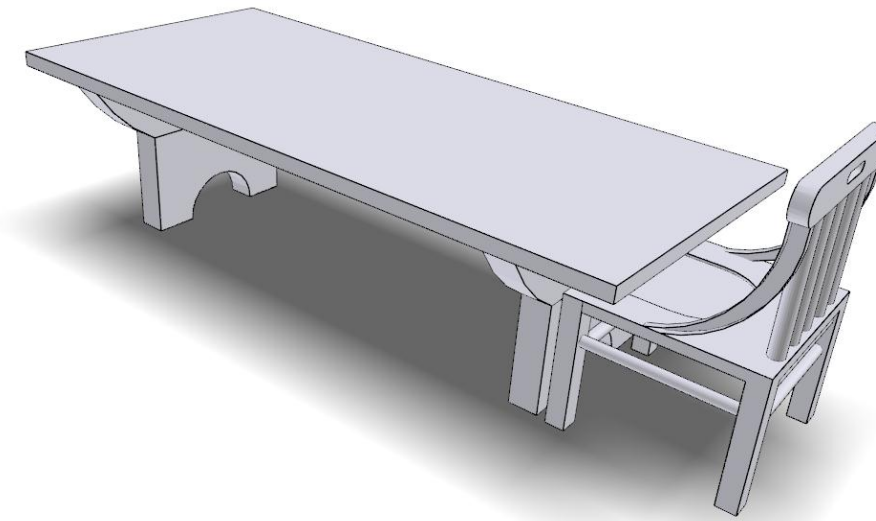
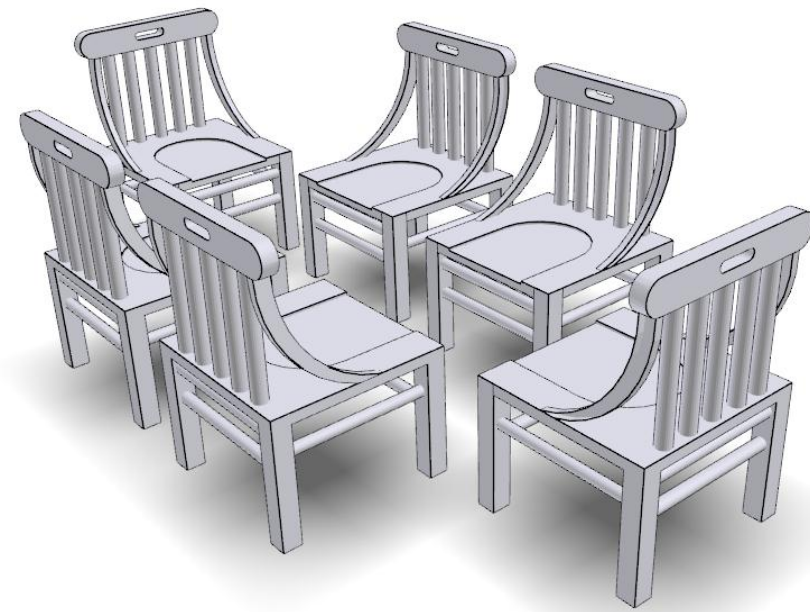
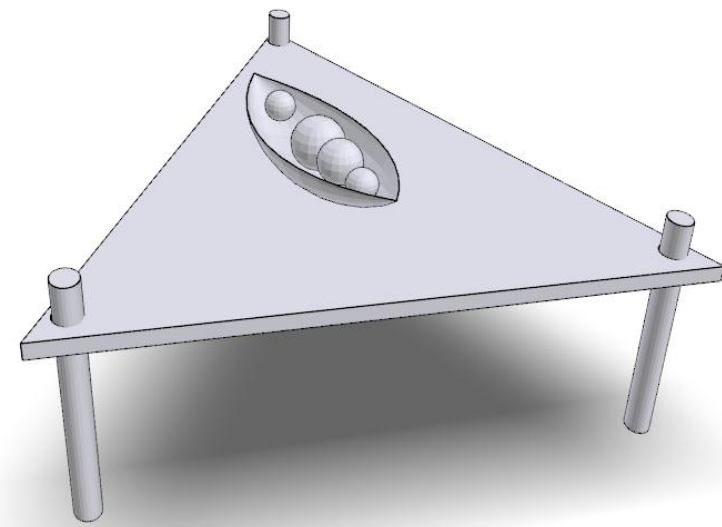
Tsinghua dataset

Focal points

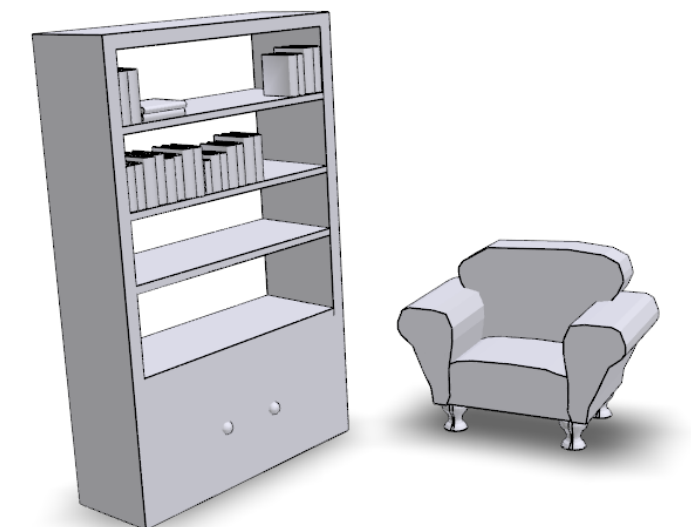
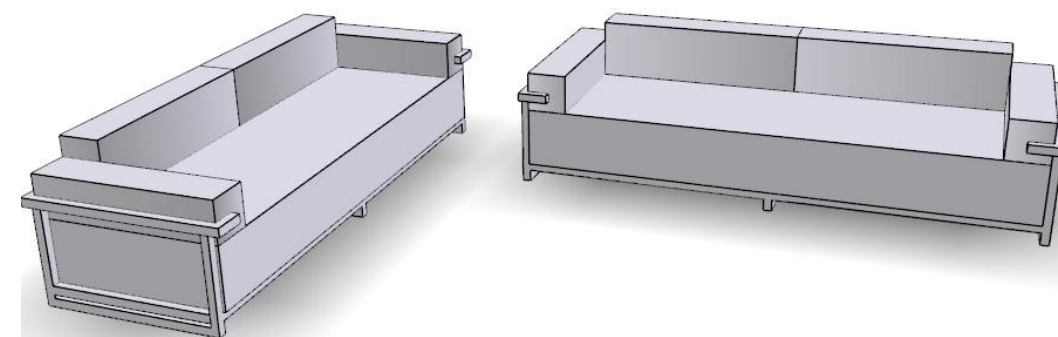
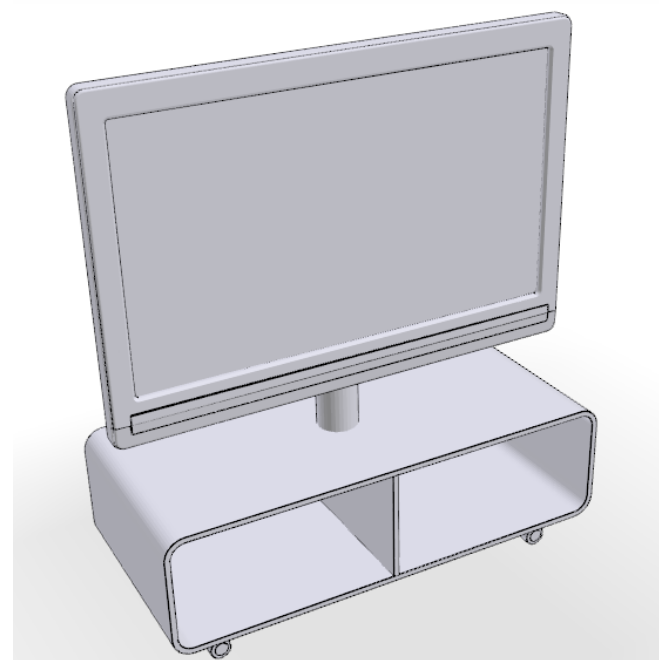
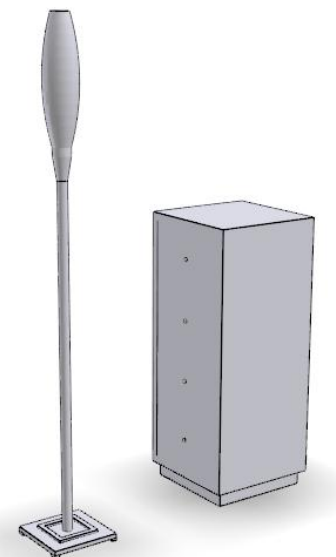
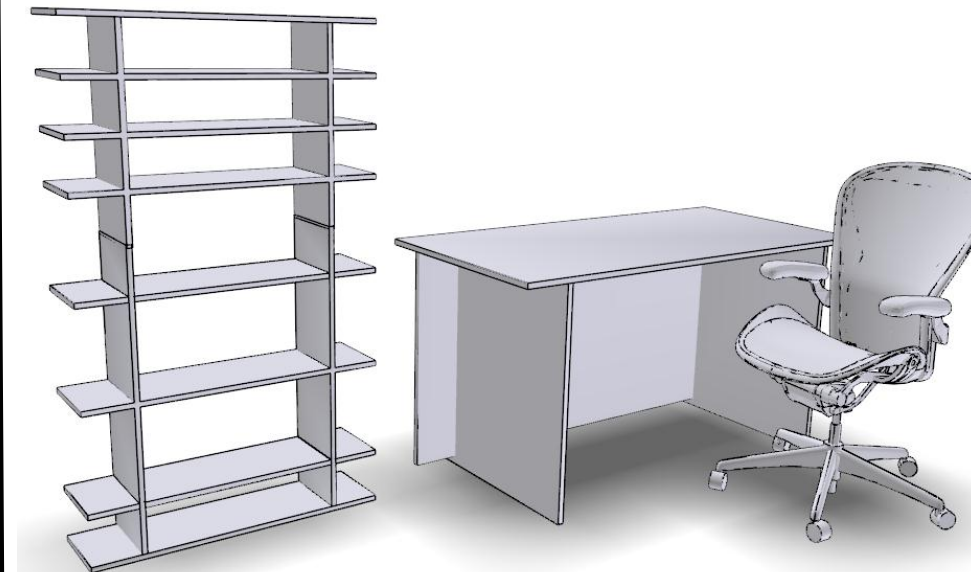
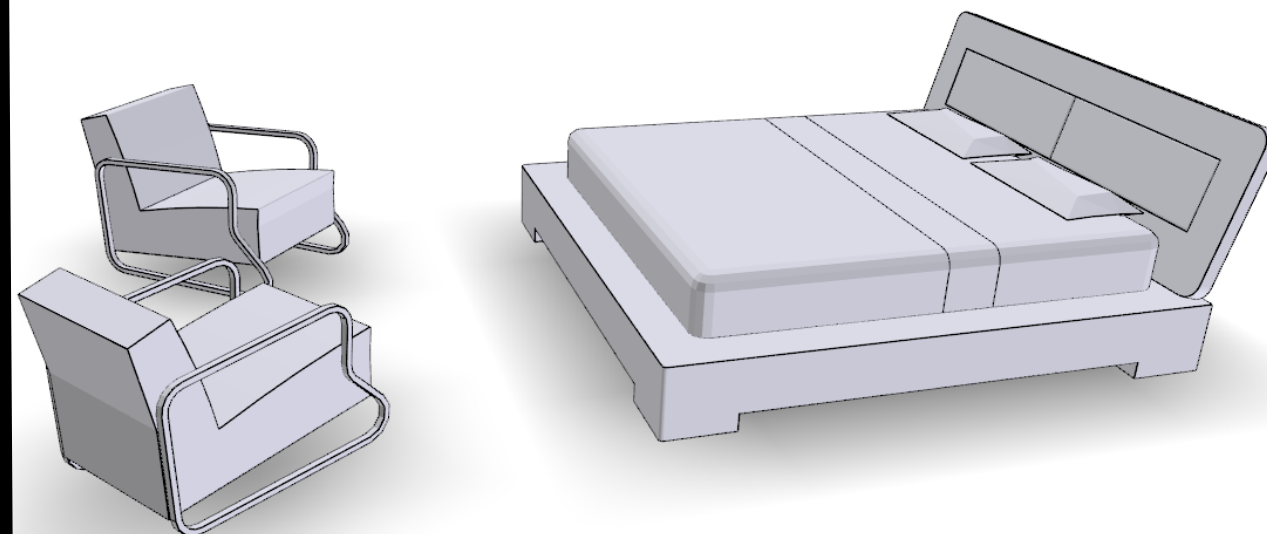
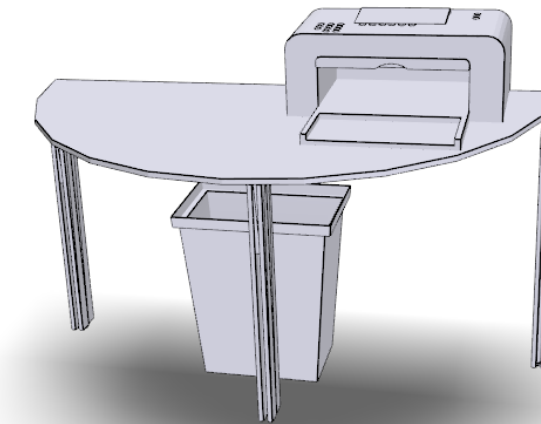
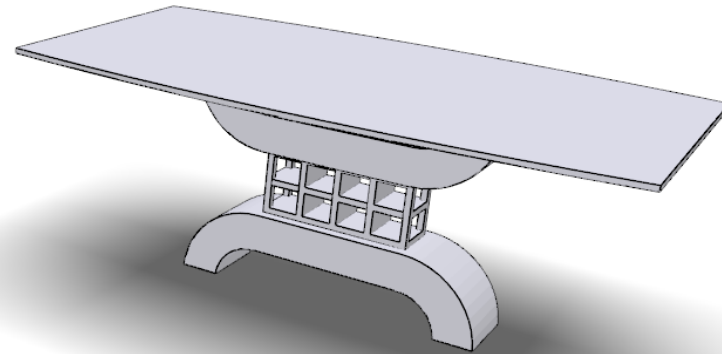
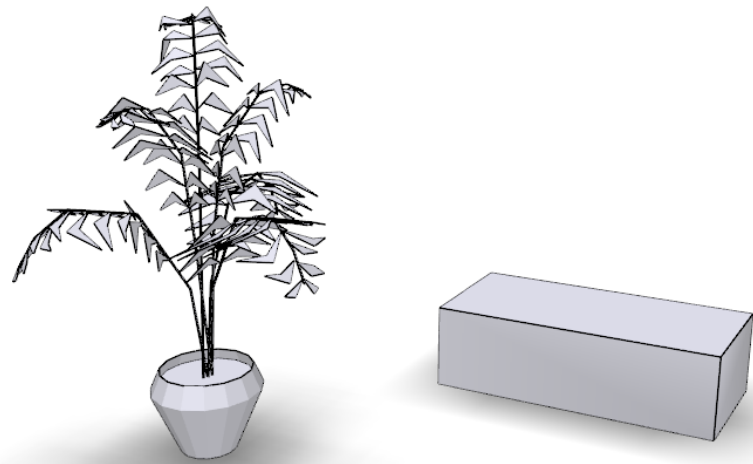
(34 focals including 7 non-local ones)

Tsinghua dataset: Focal points (1/3)

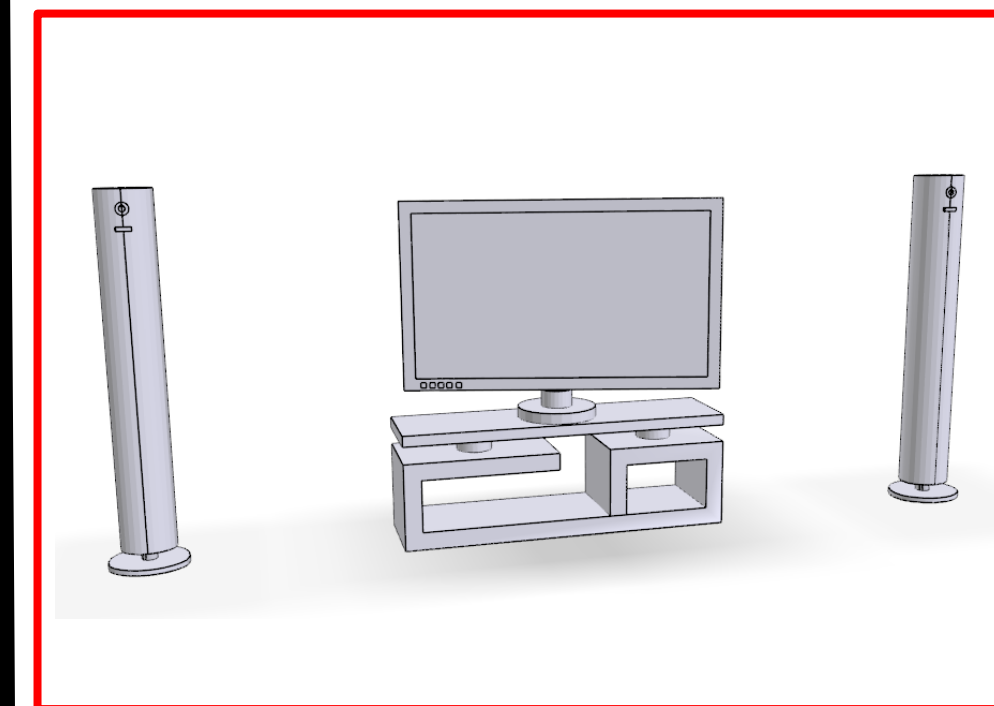
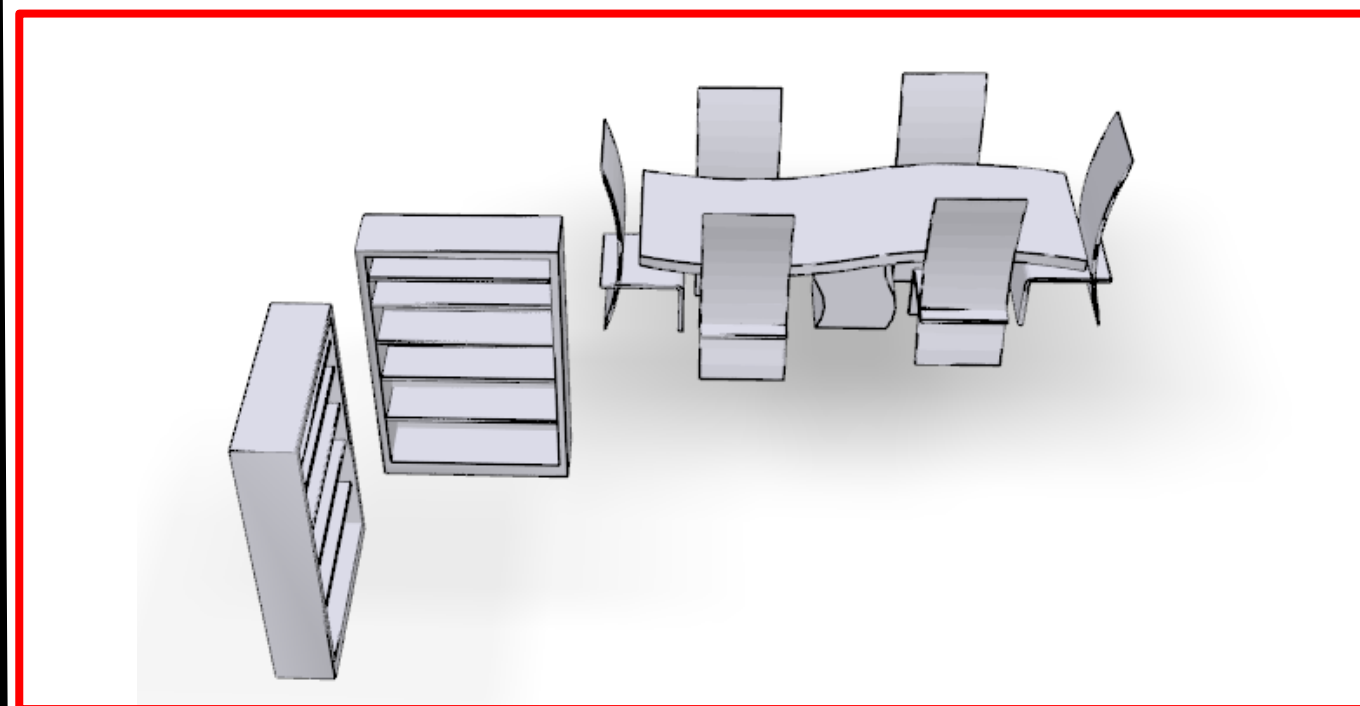
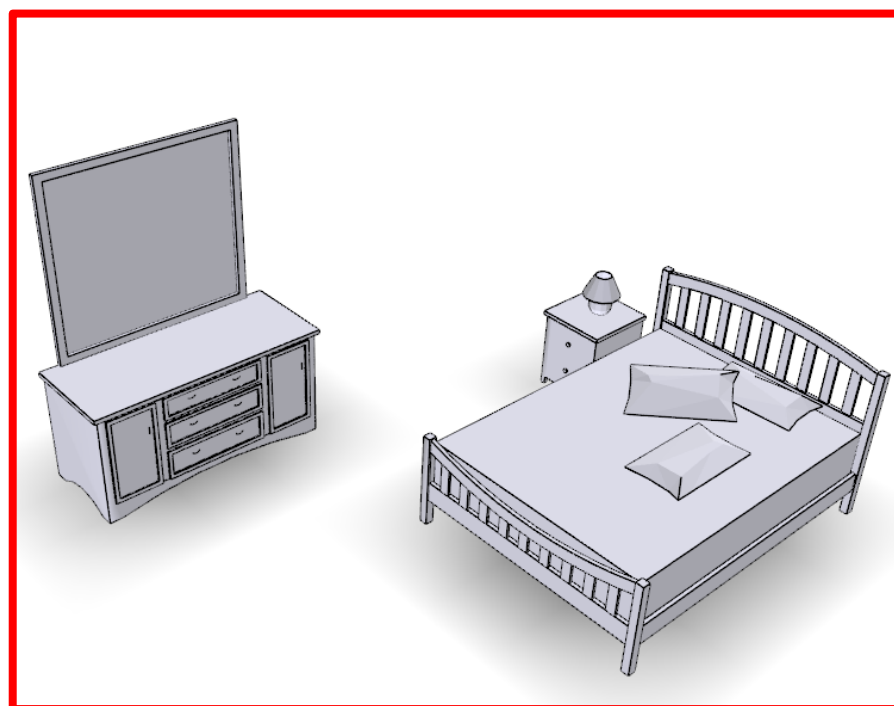
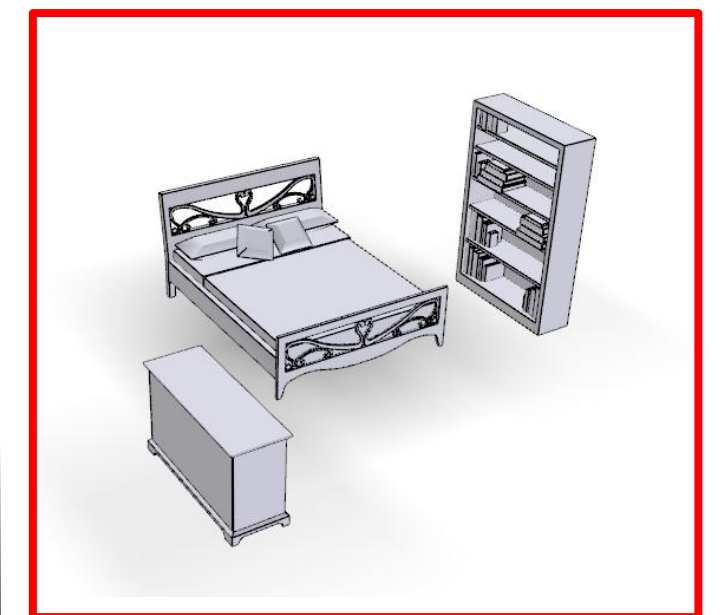
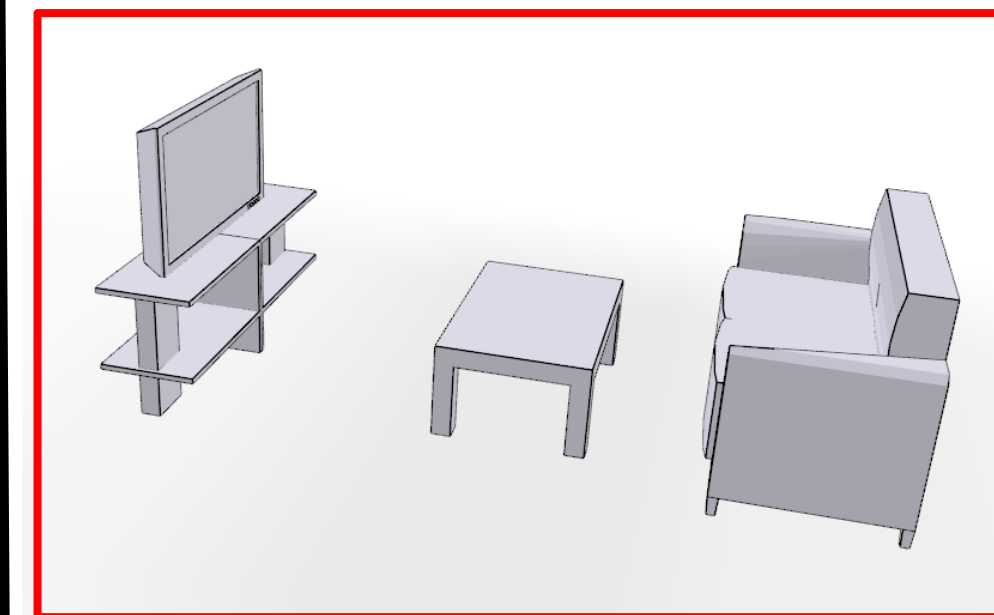
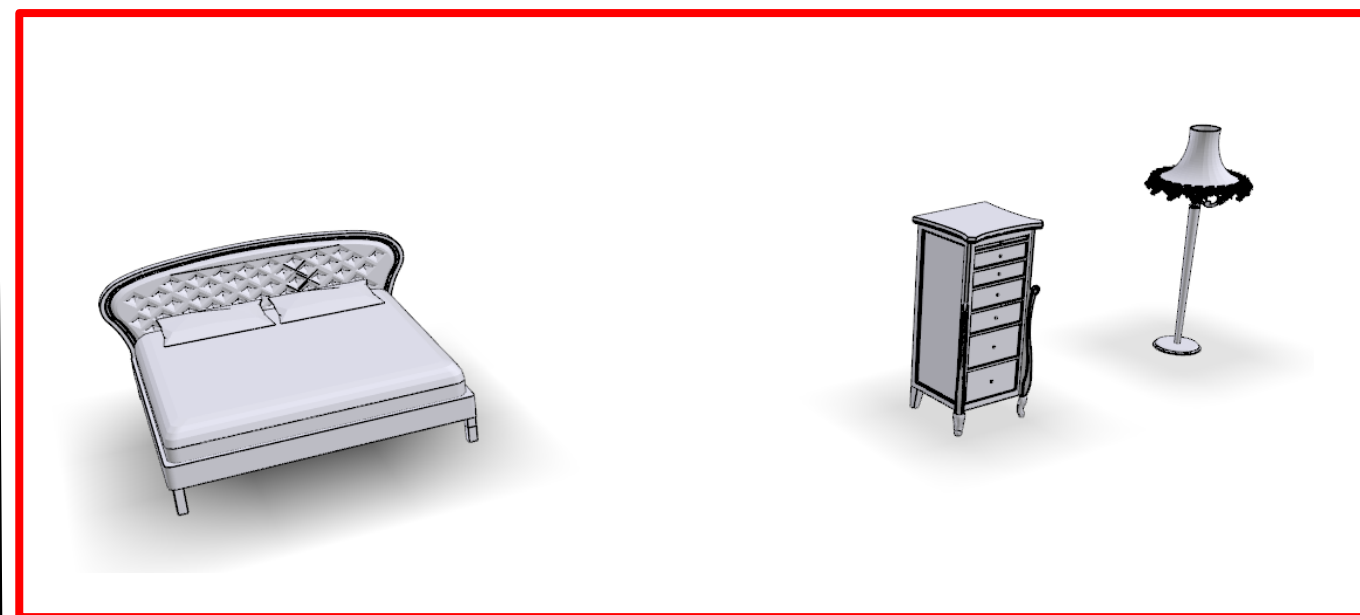
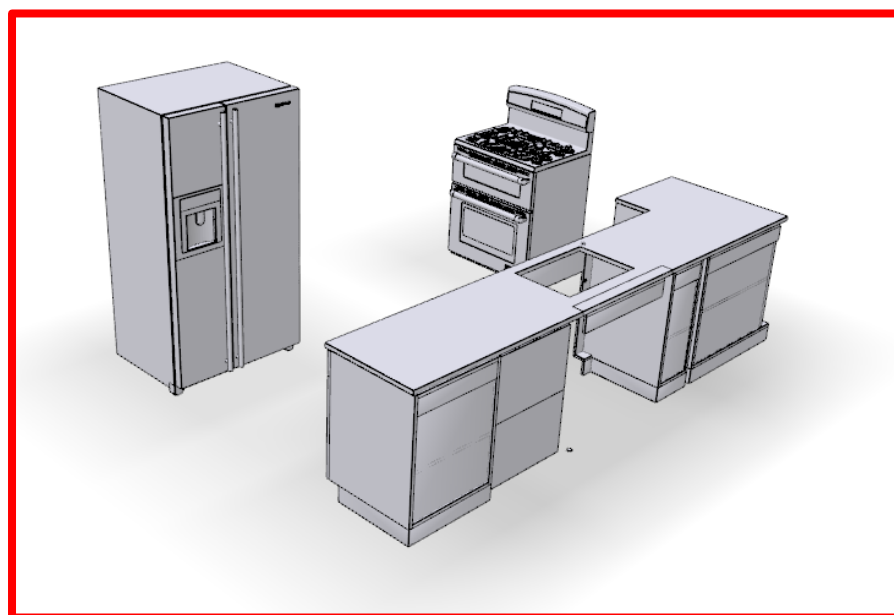
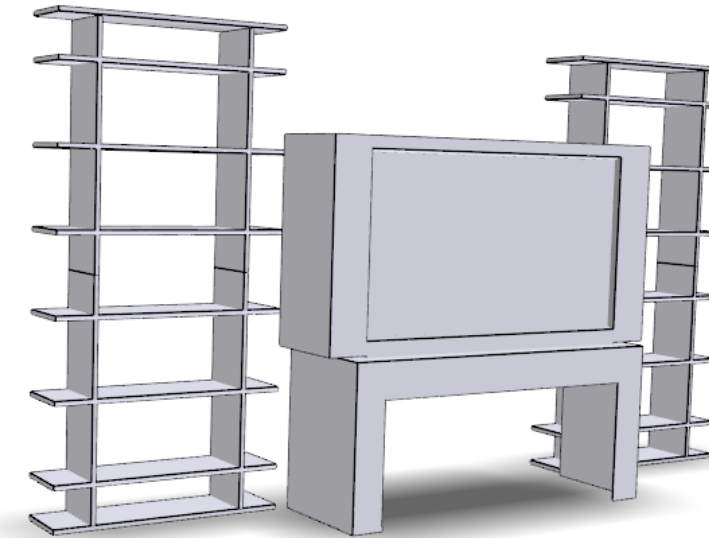
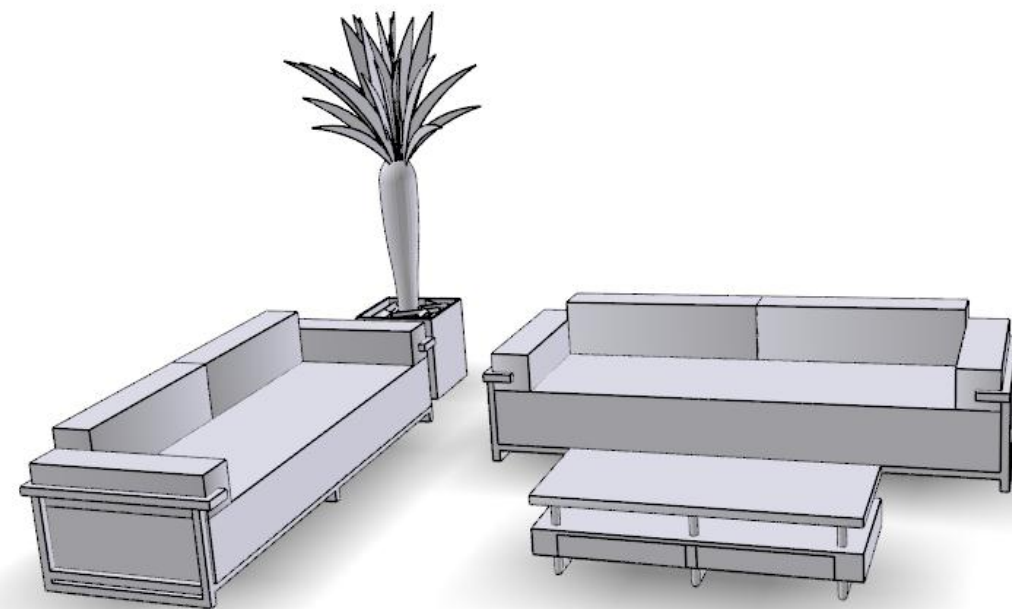
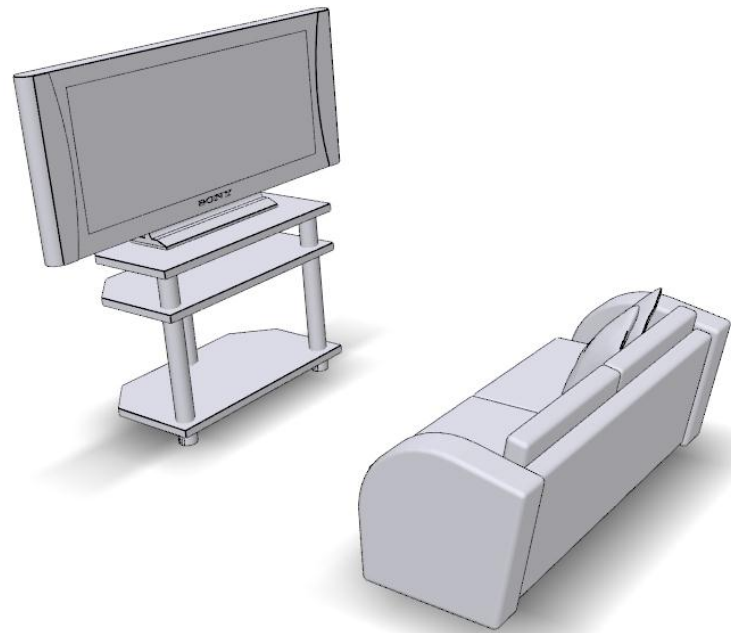
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Tsinghua dataset: Focal points (2/3)



Tsinghua dataset: Focal points (3/3)



* Non-local focal points are marked in red.

Tsinghua dataset Clusters

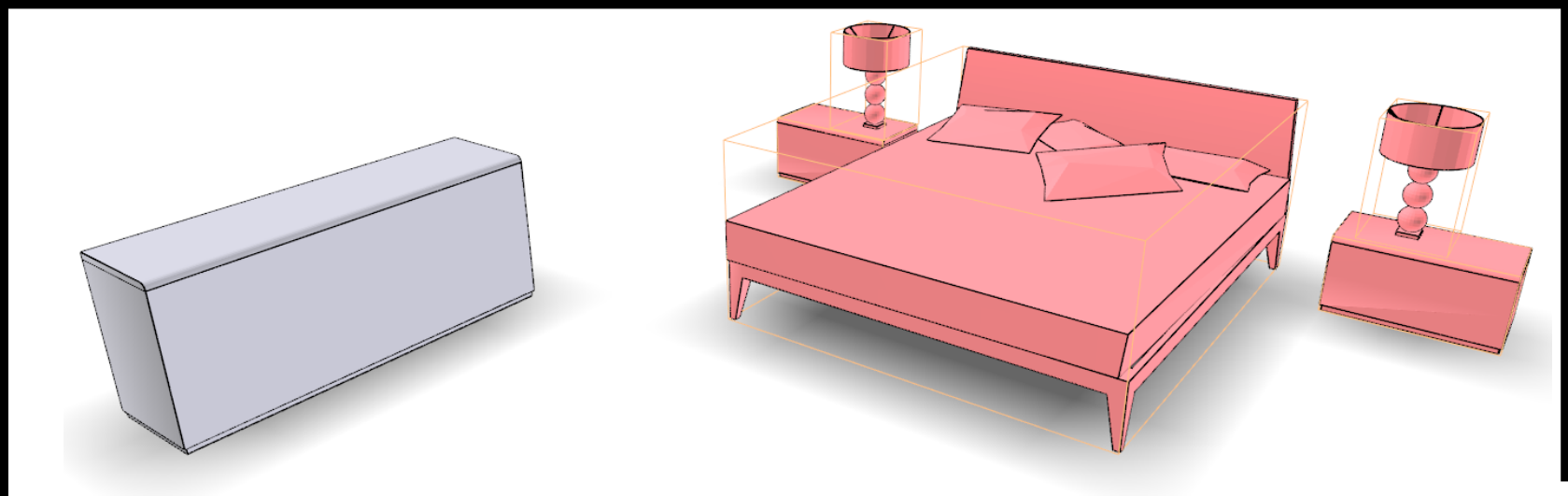
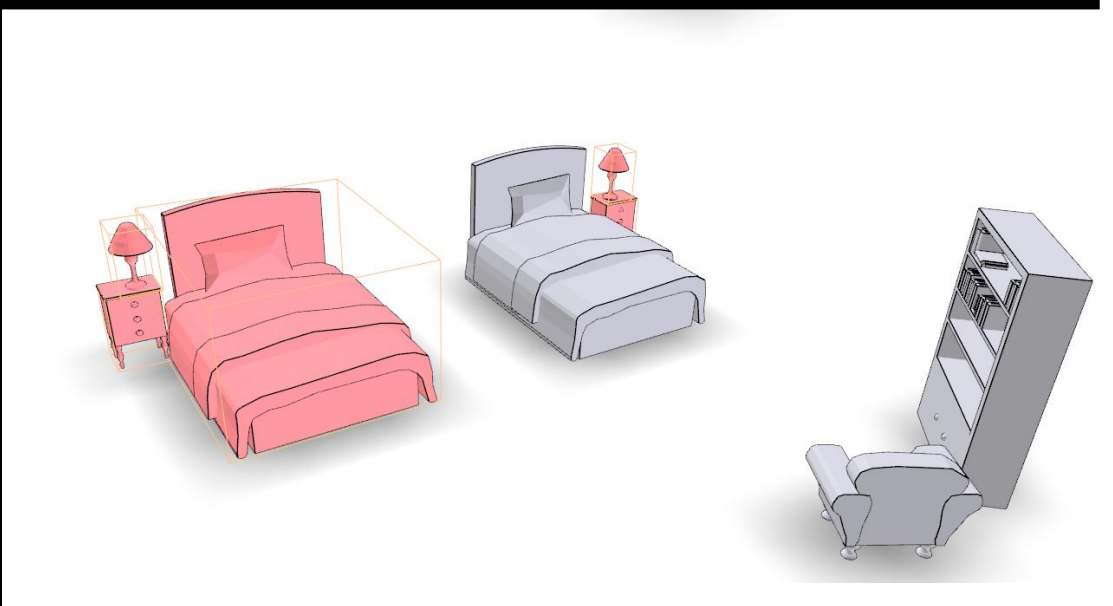
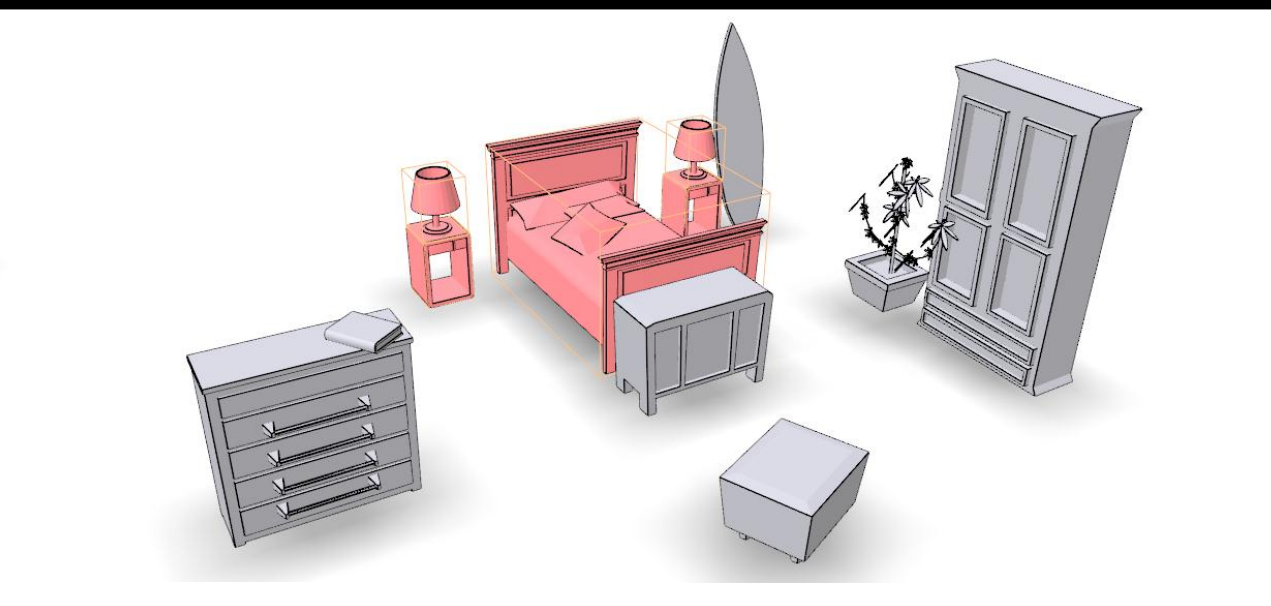
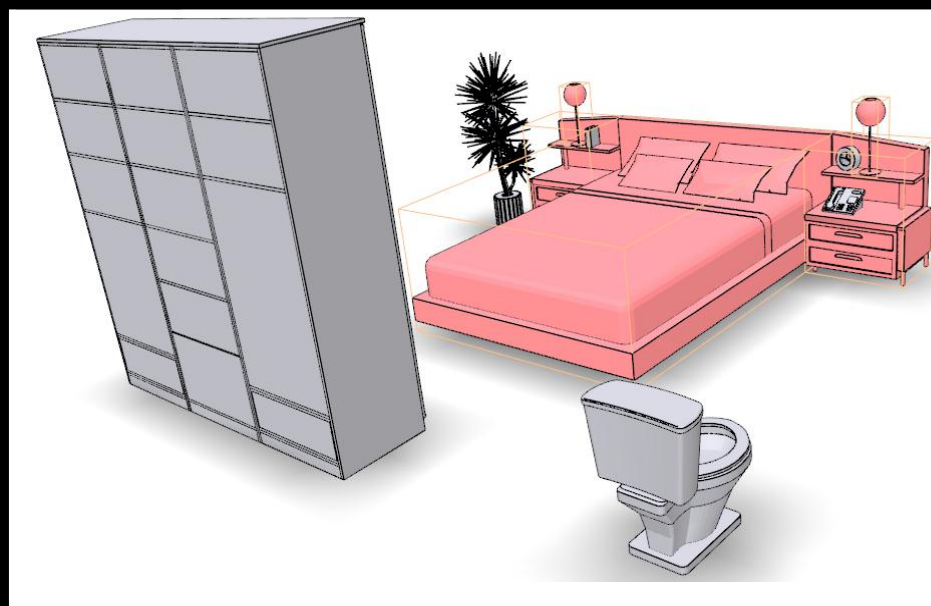
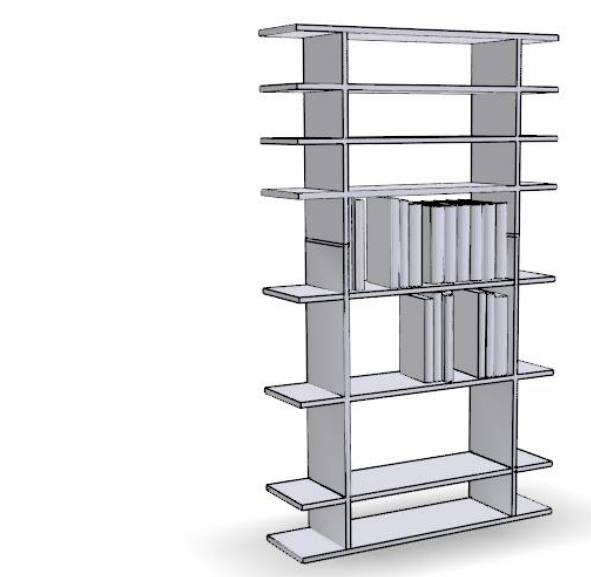
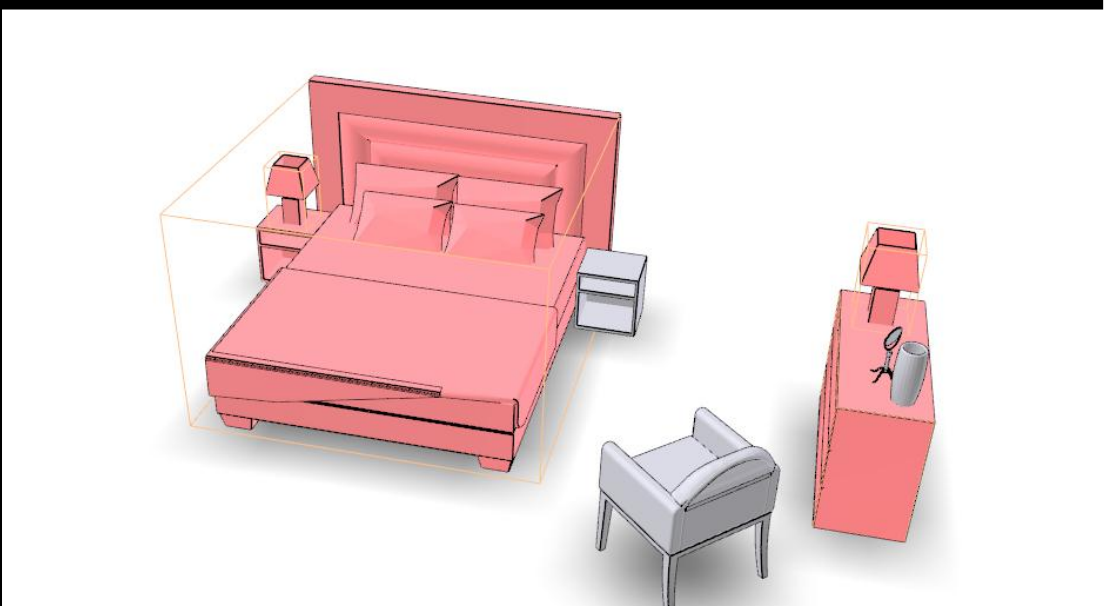
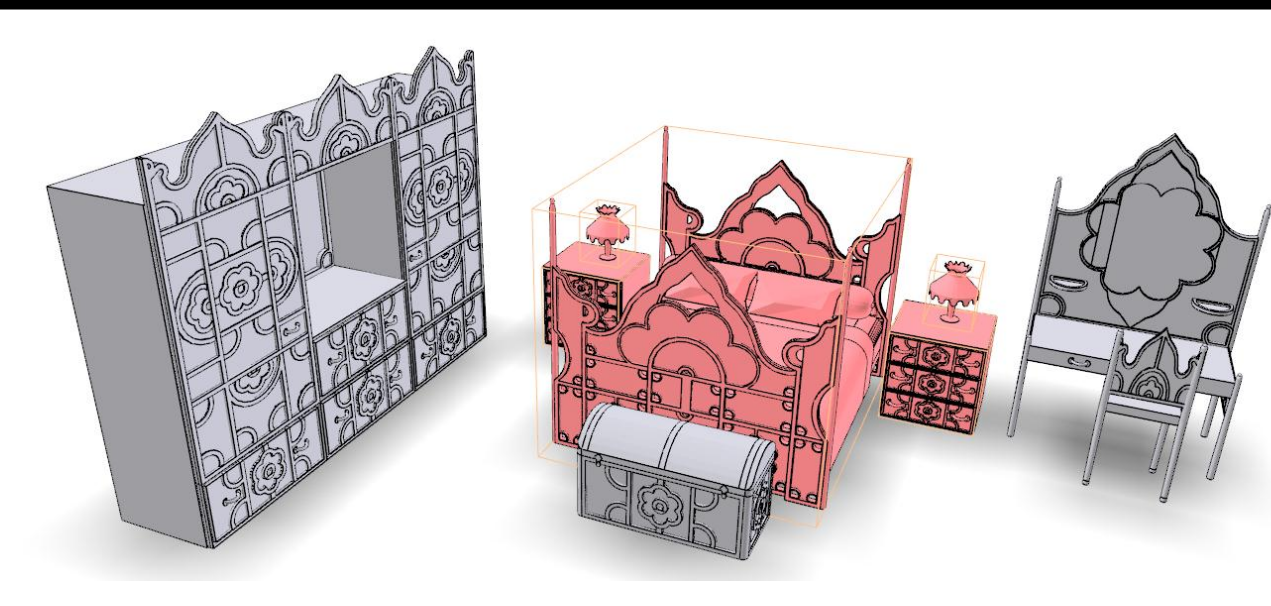
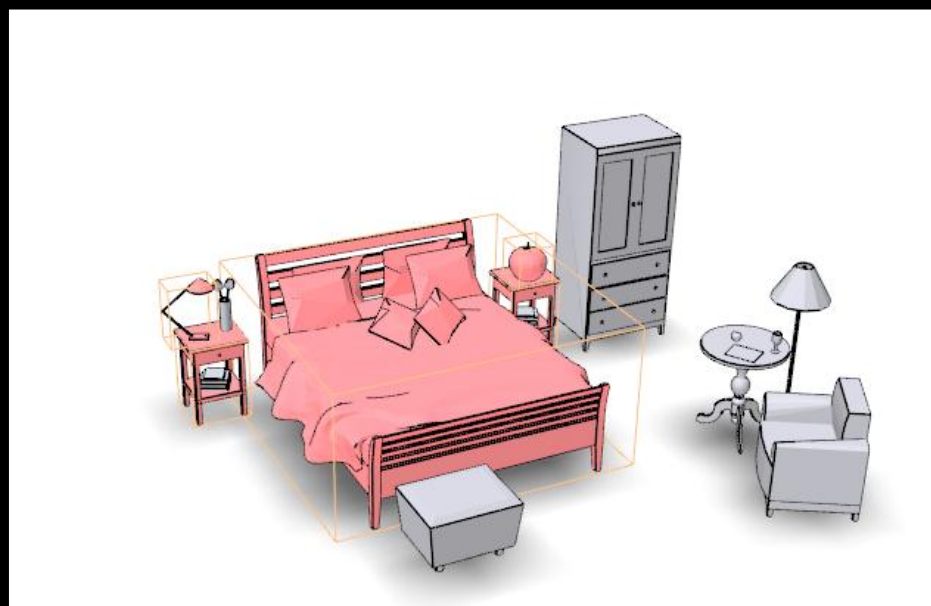
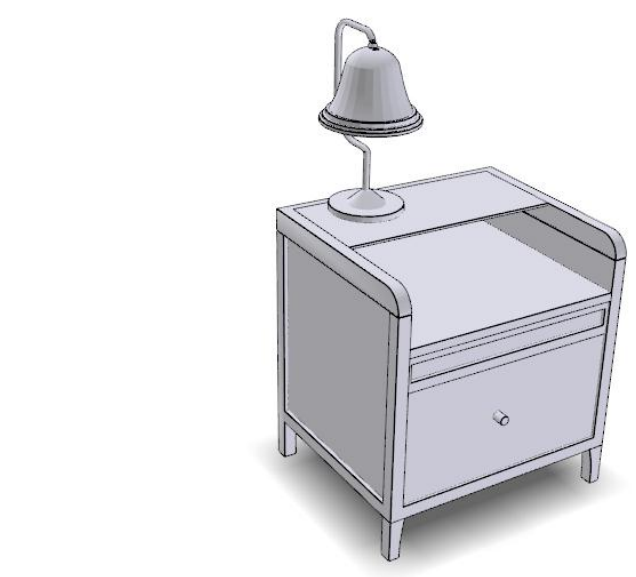
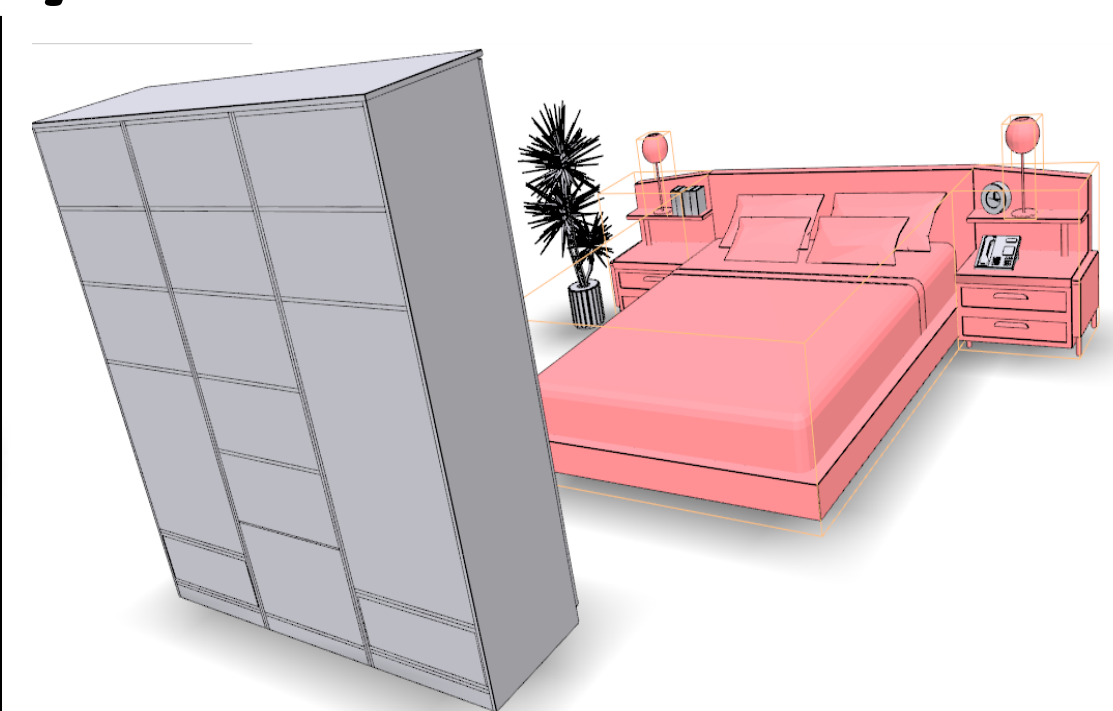
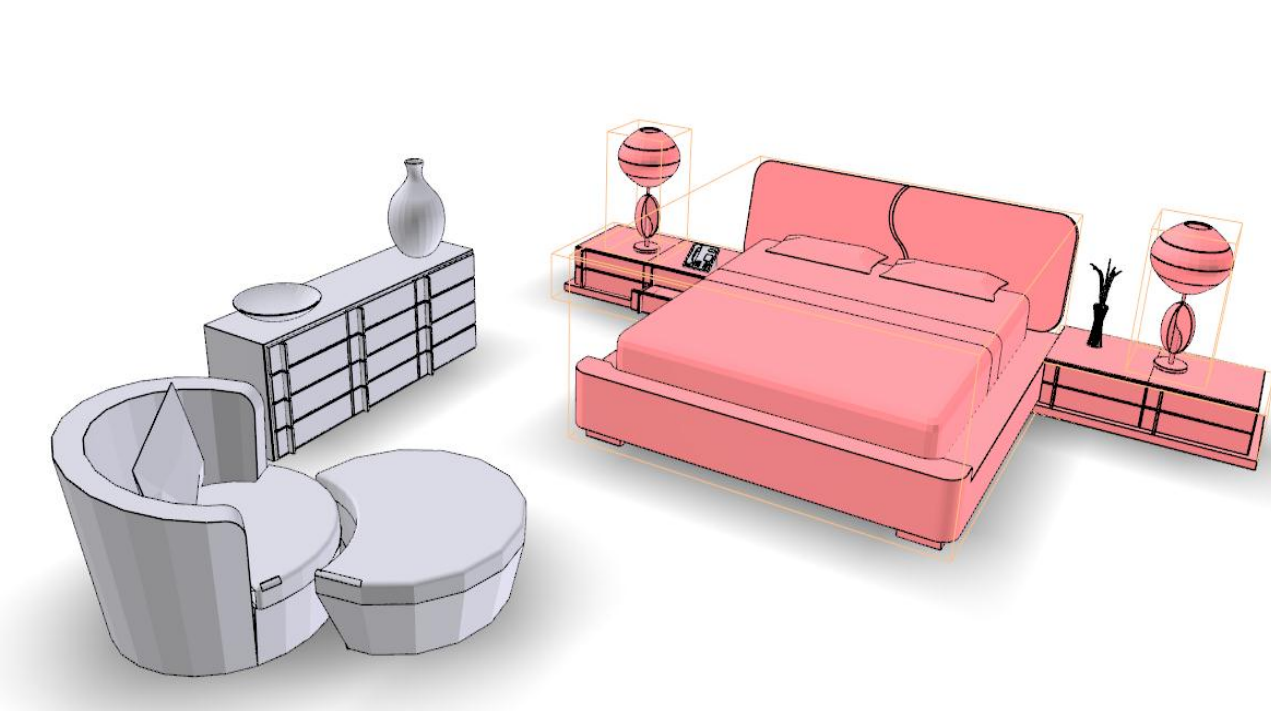
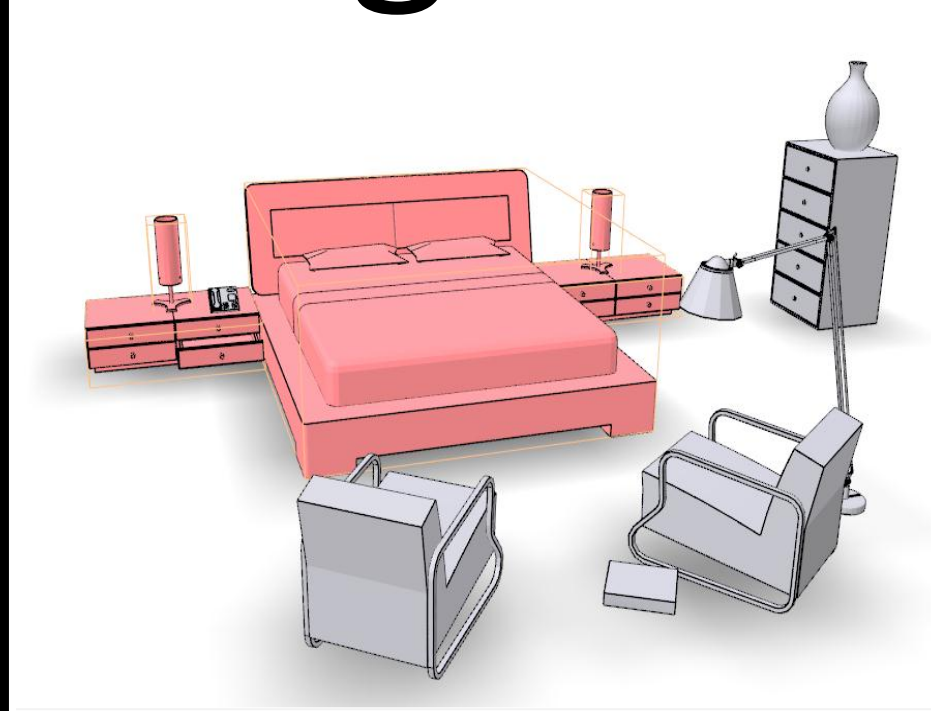
(9 clusters)

NOTE:

1. We only show the top 10 scenes which are closest to the cluster center.
2. In each scene, the representative focal points are highlighted in red

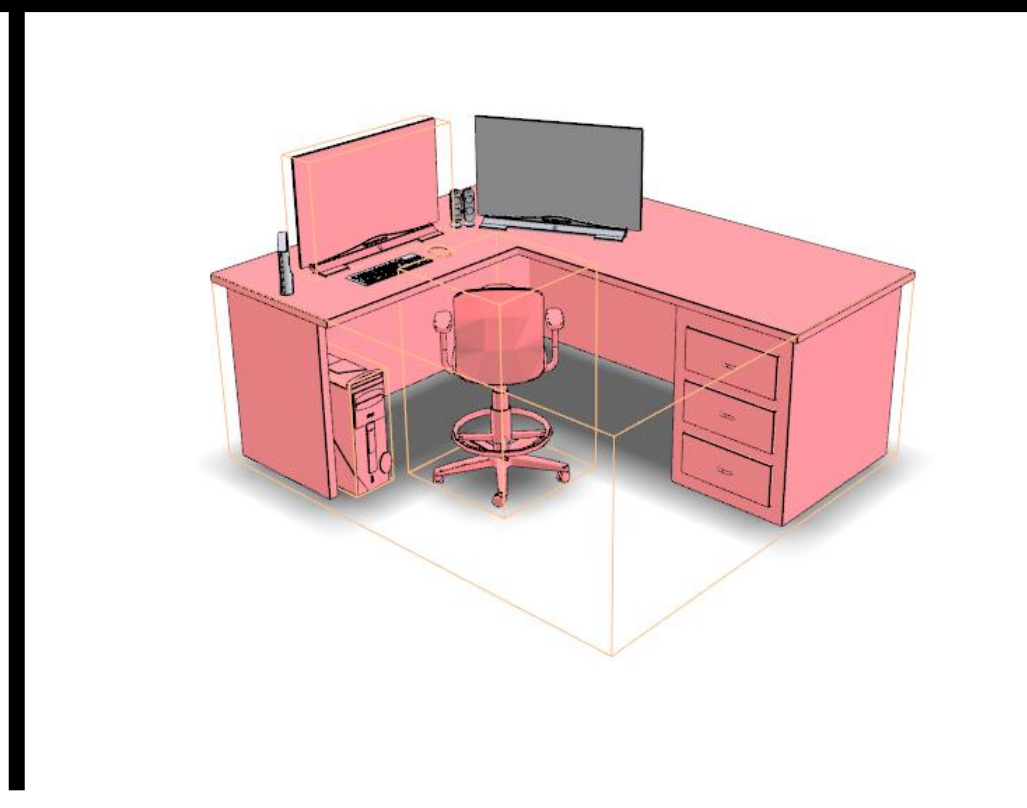
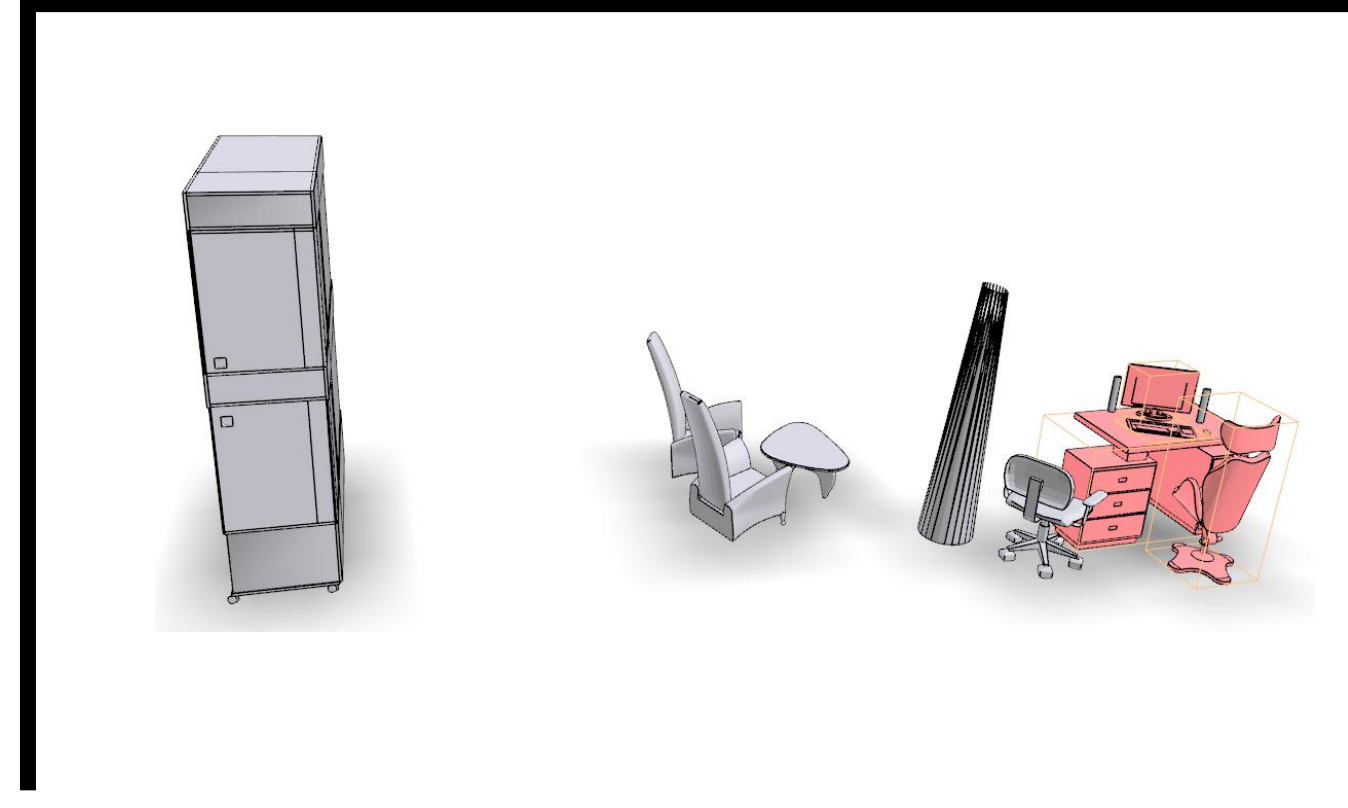
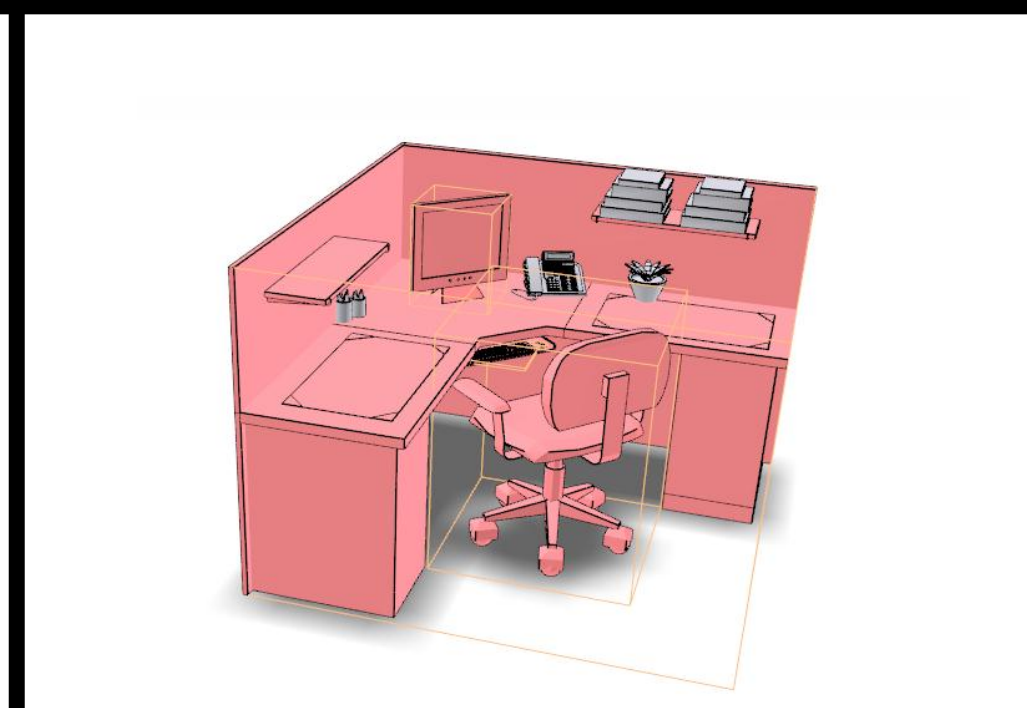
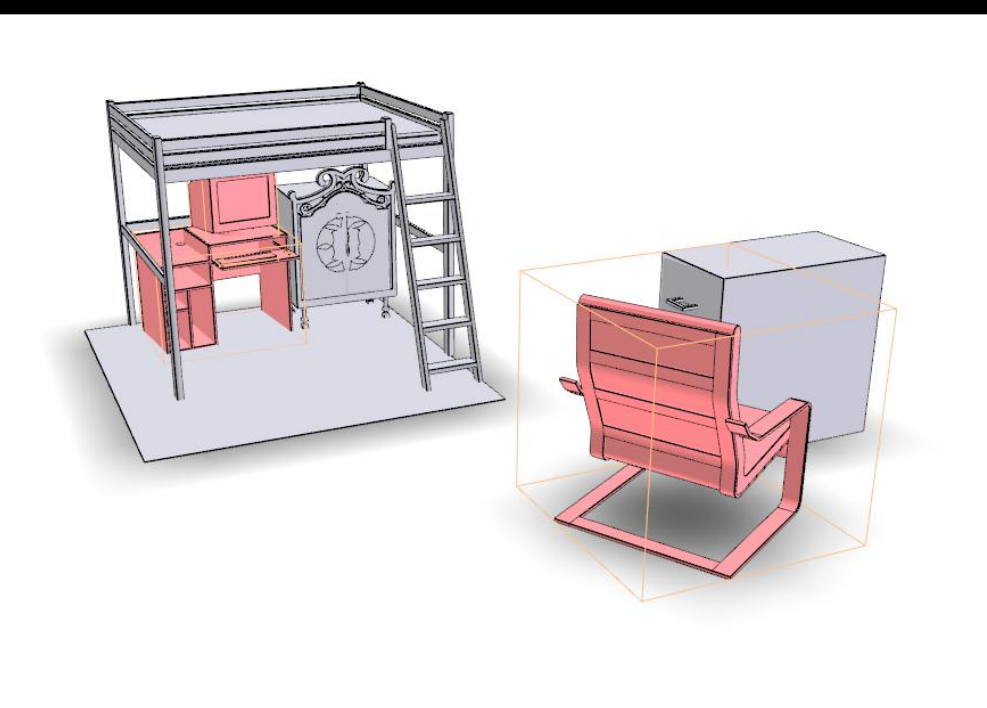
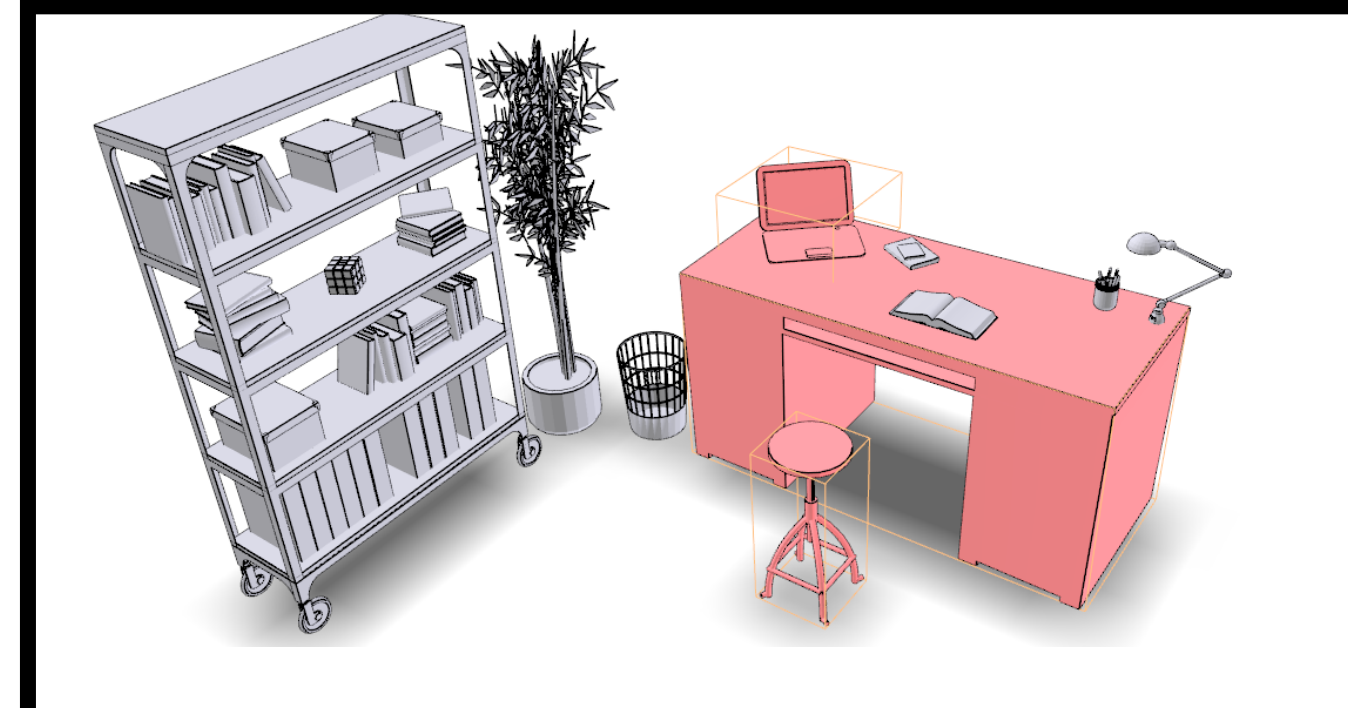
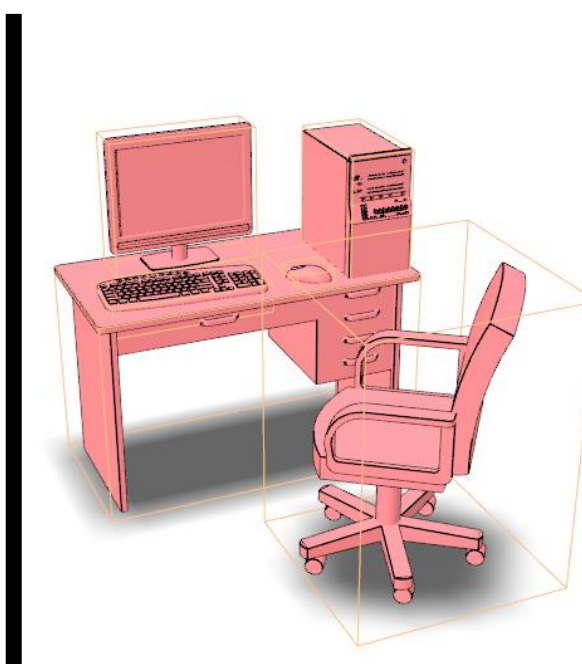
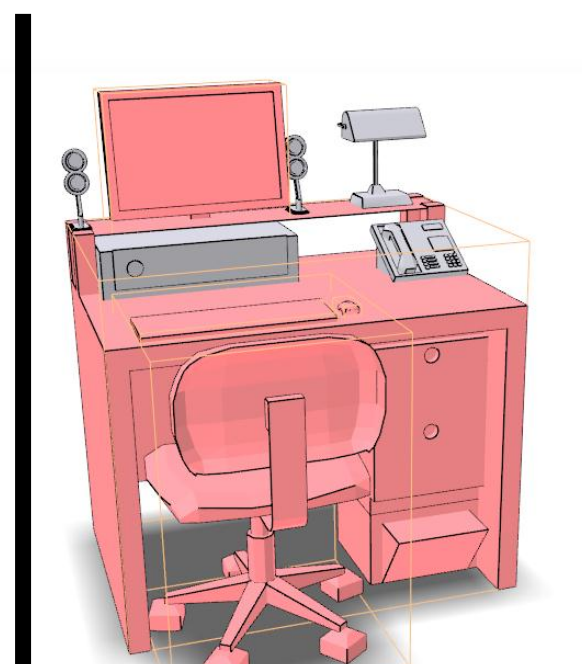
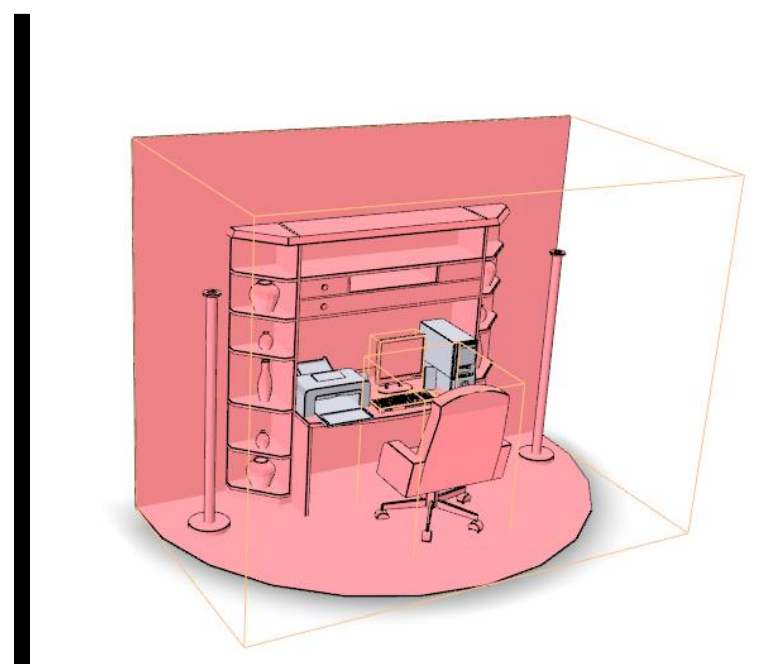
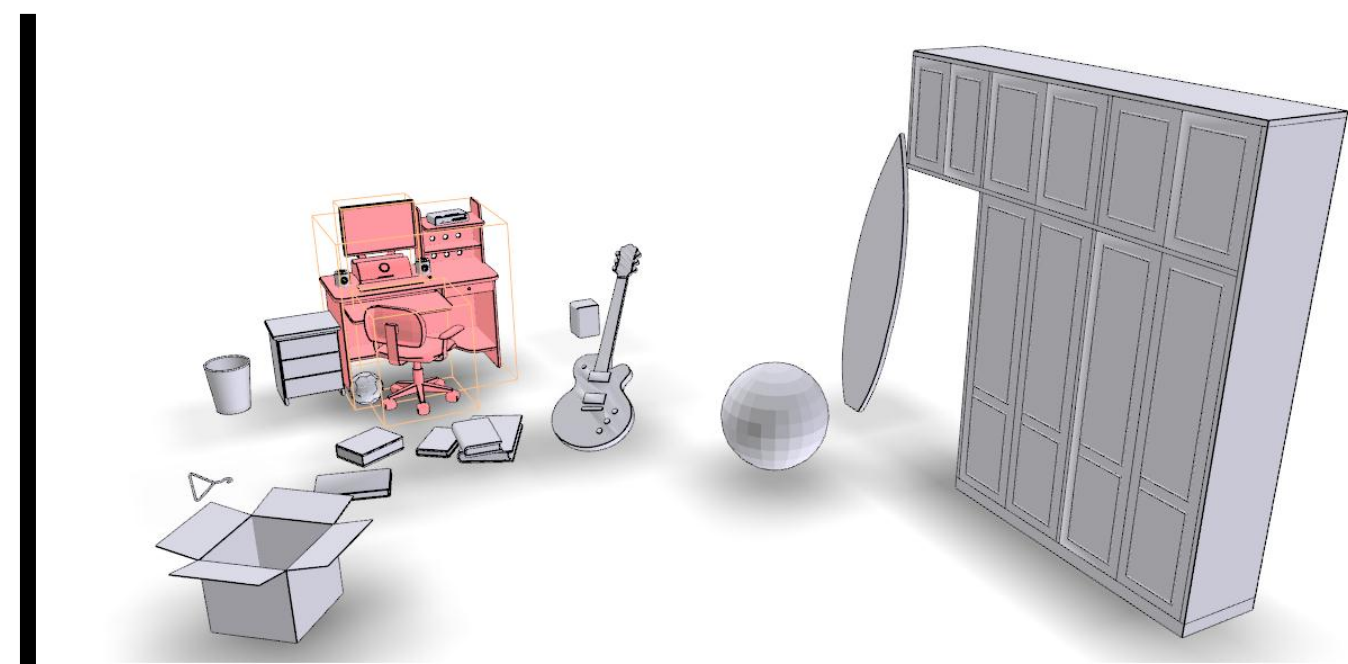
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Tsinghua dataset: Cluster 1/9



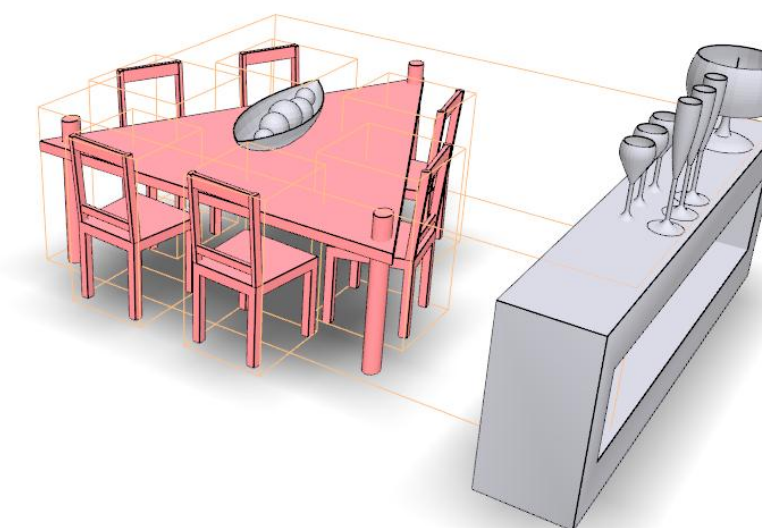
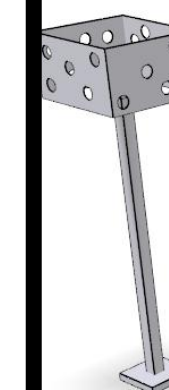
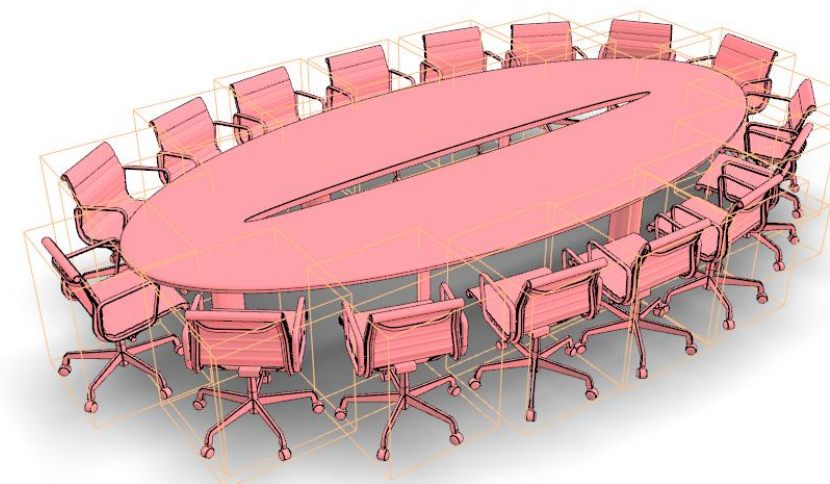
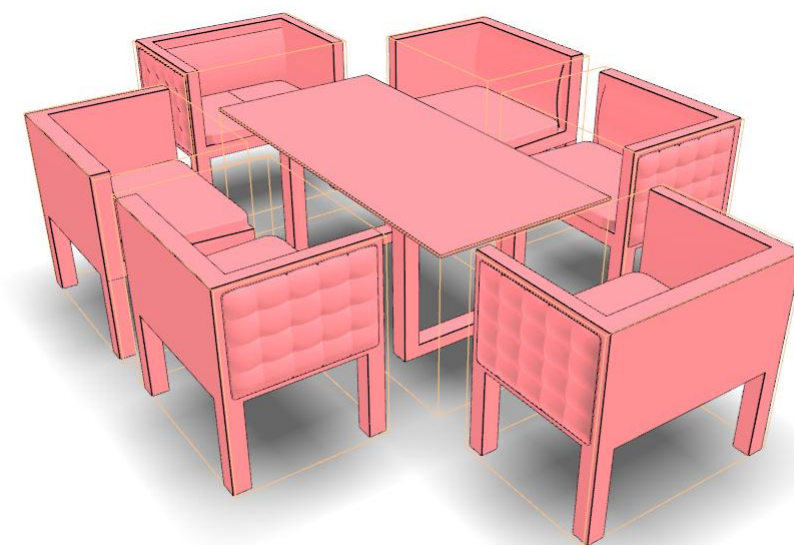
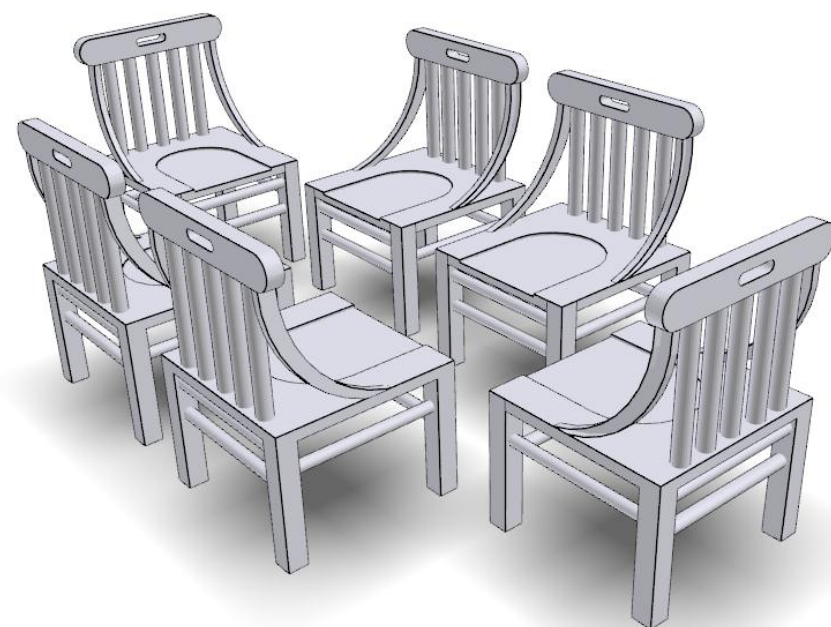
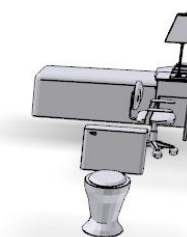
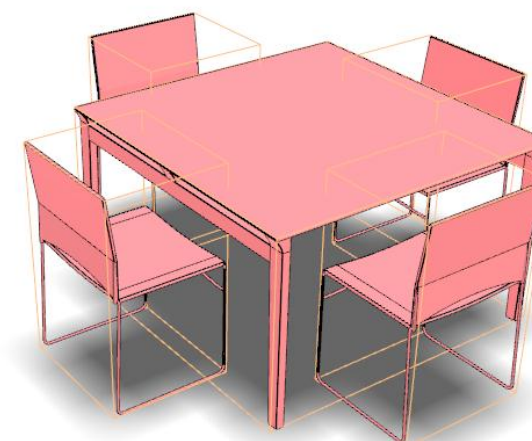
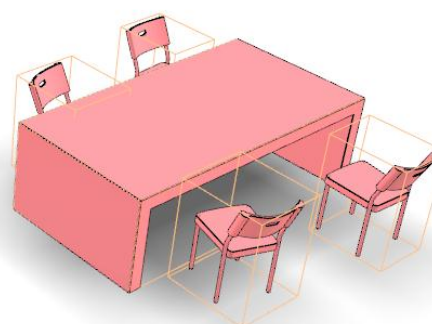
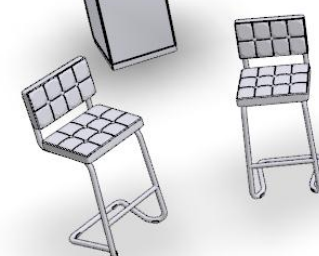
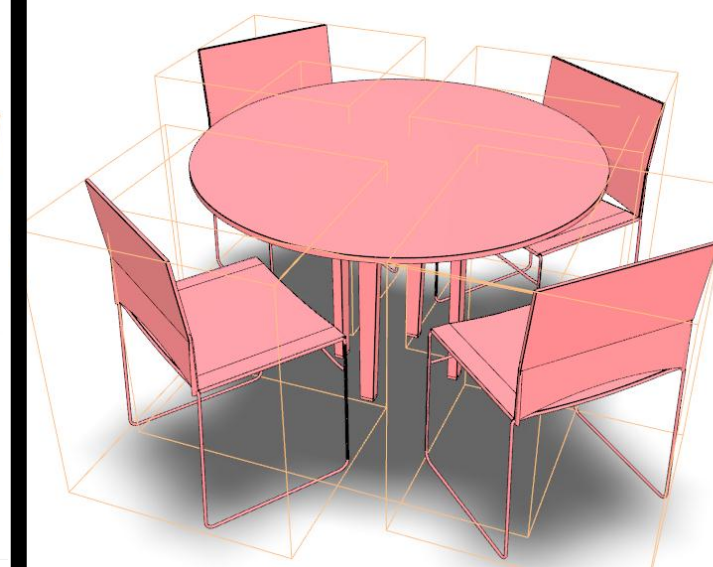
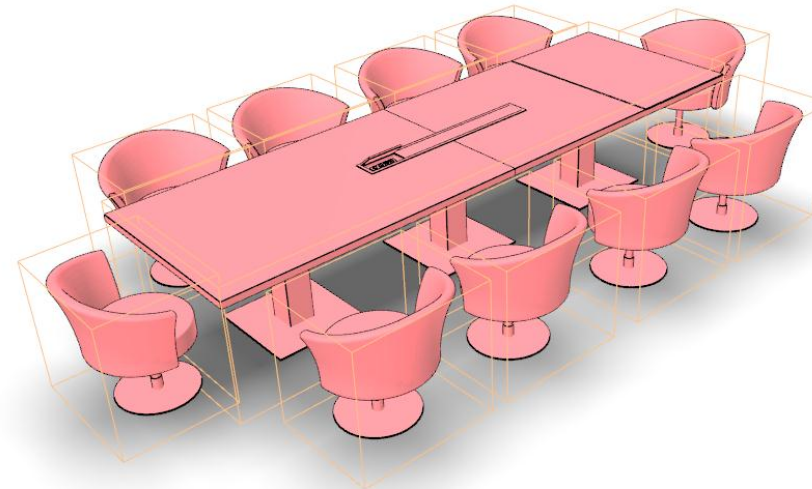
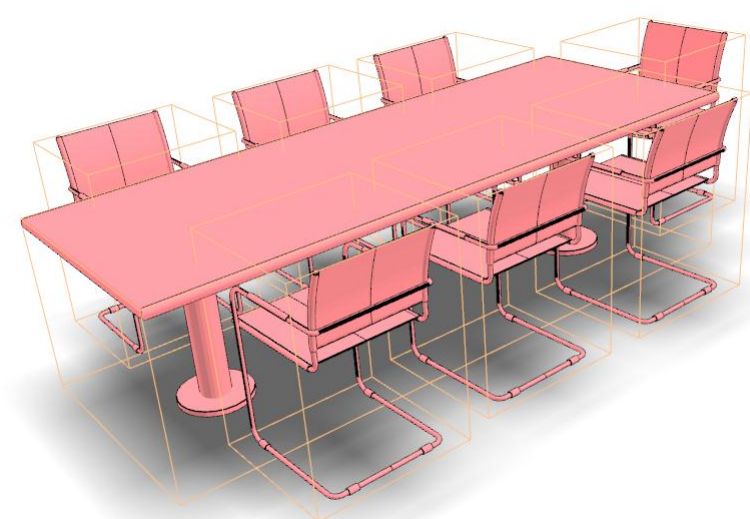
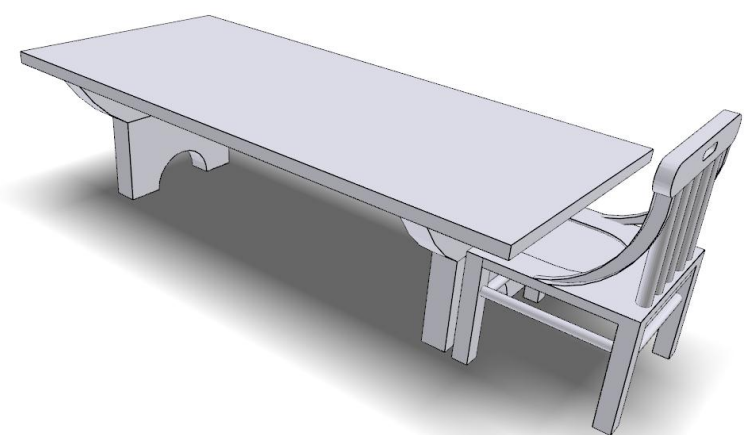
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Tsinghua dataset: Cluster 2/9



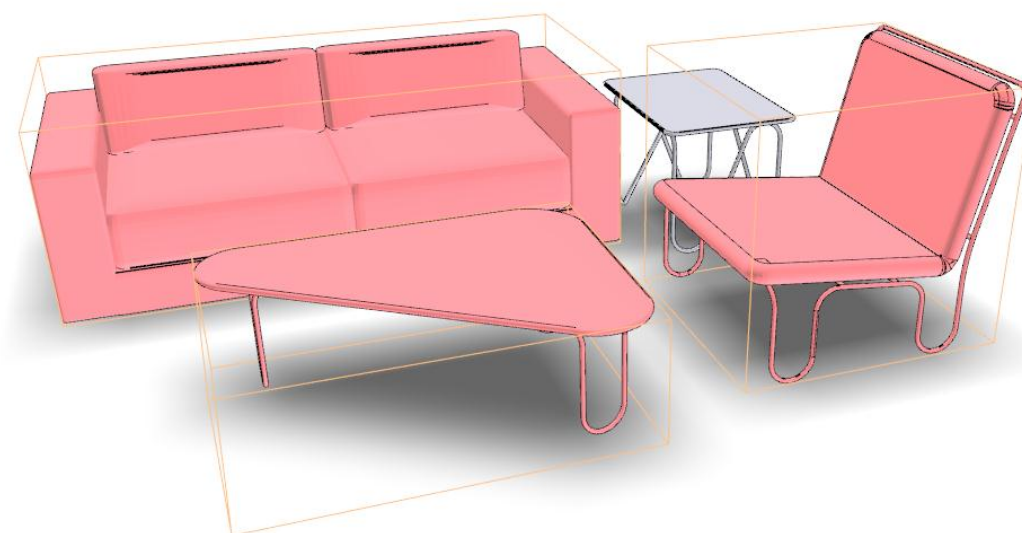
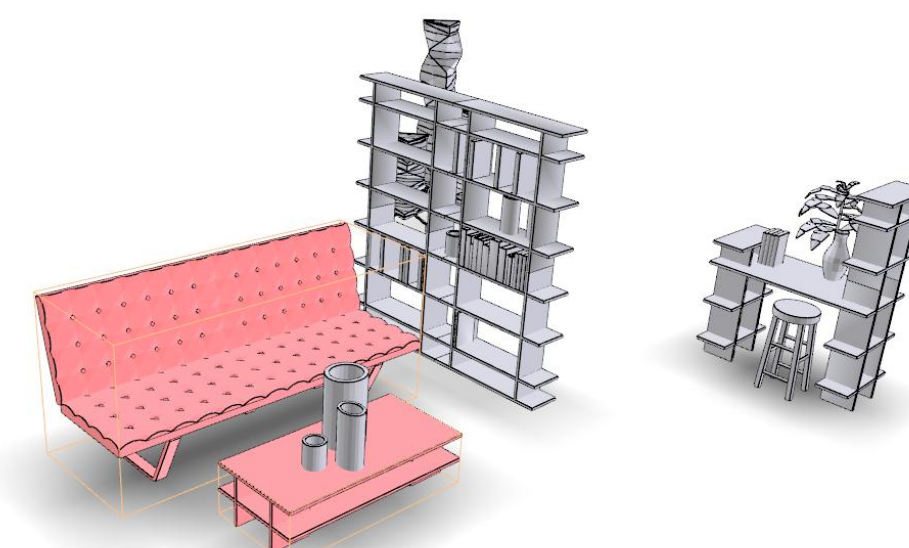
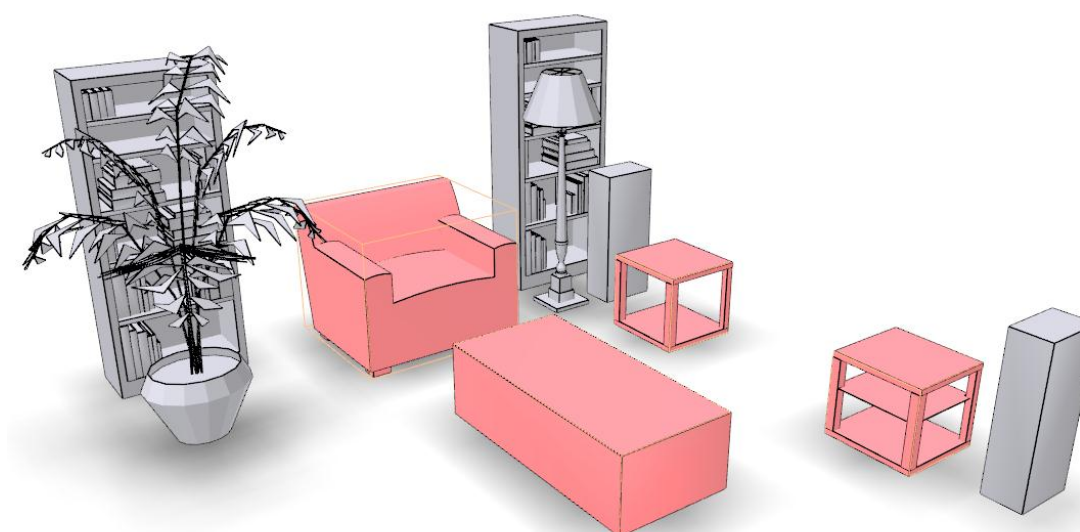
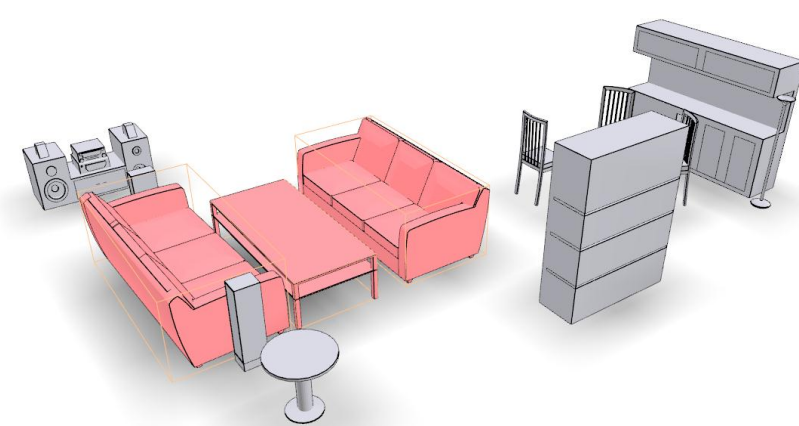
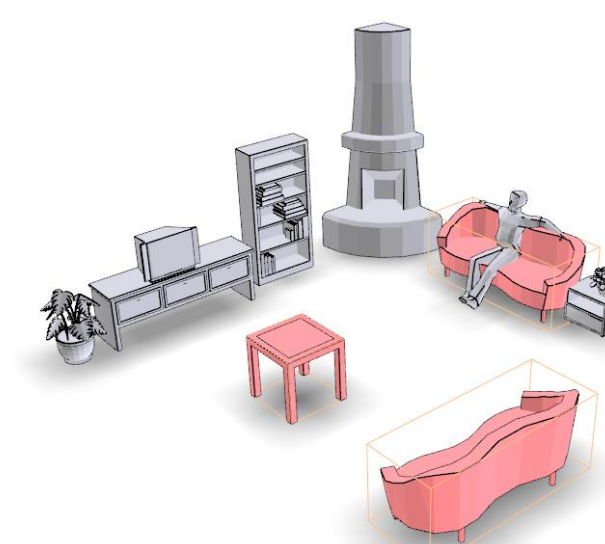
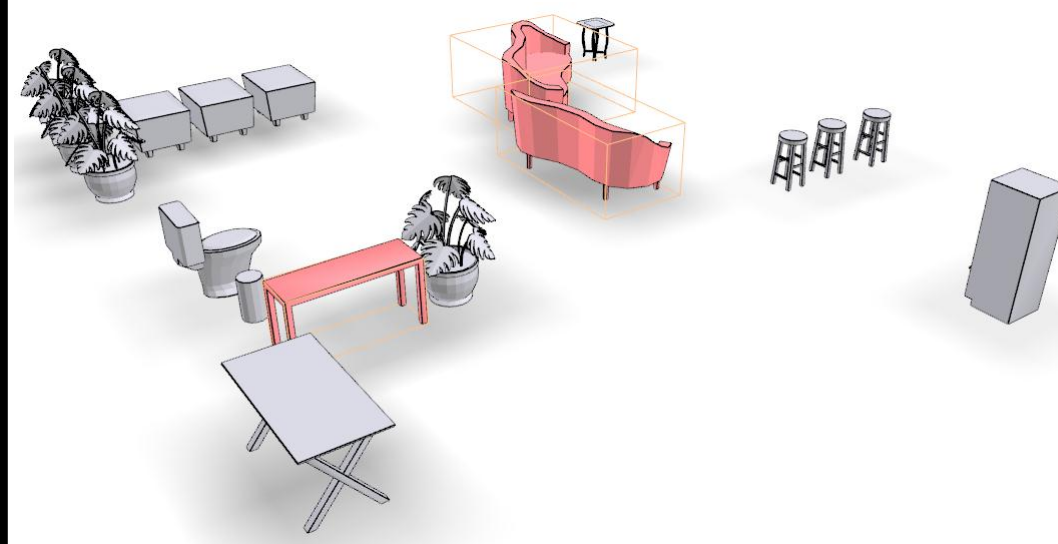
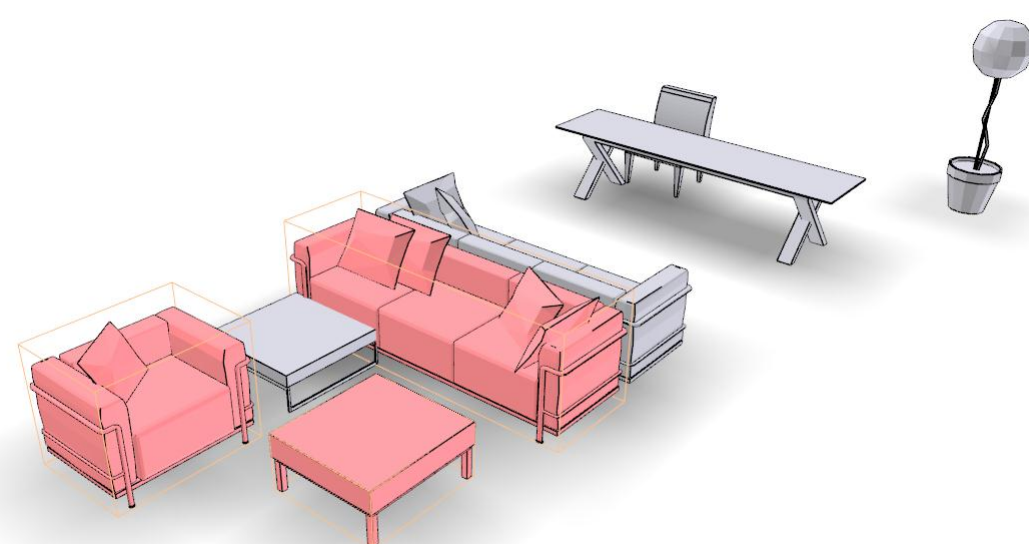
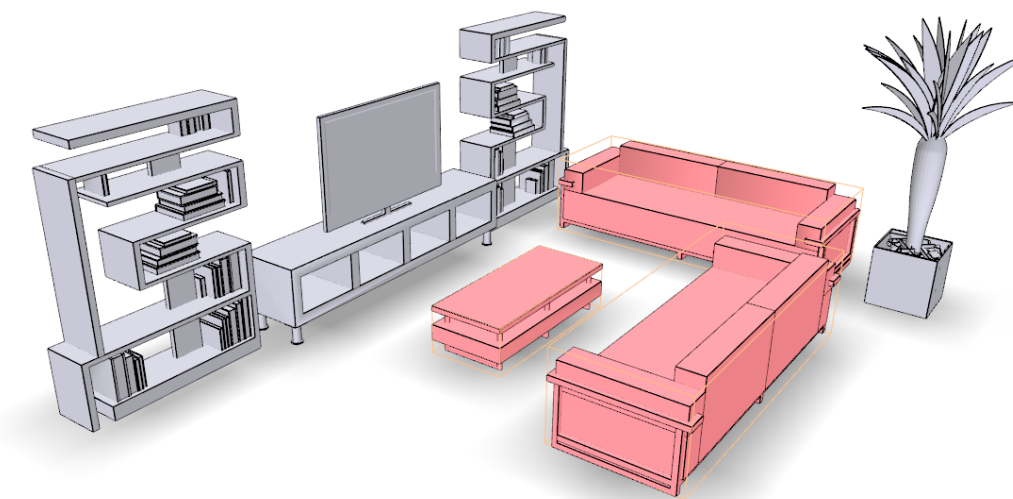
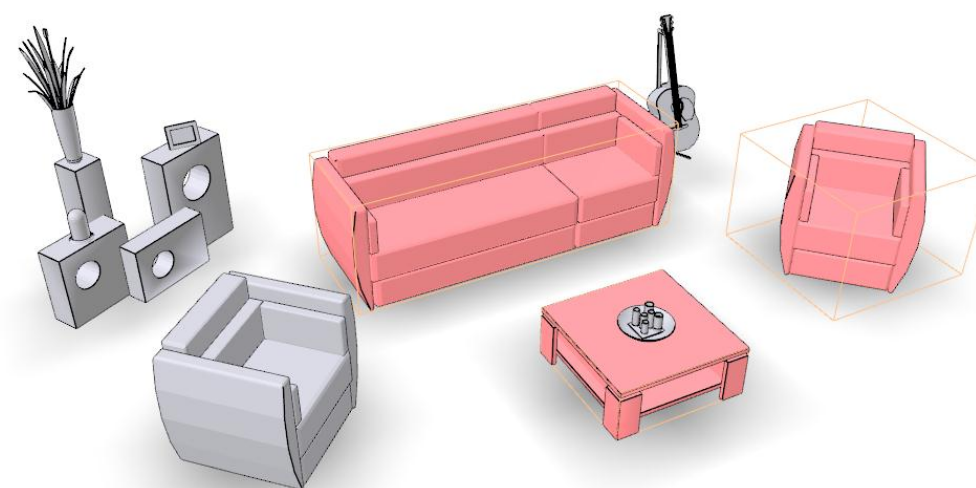
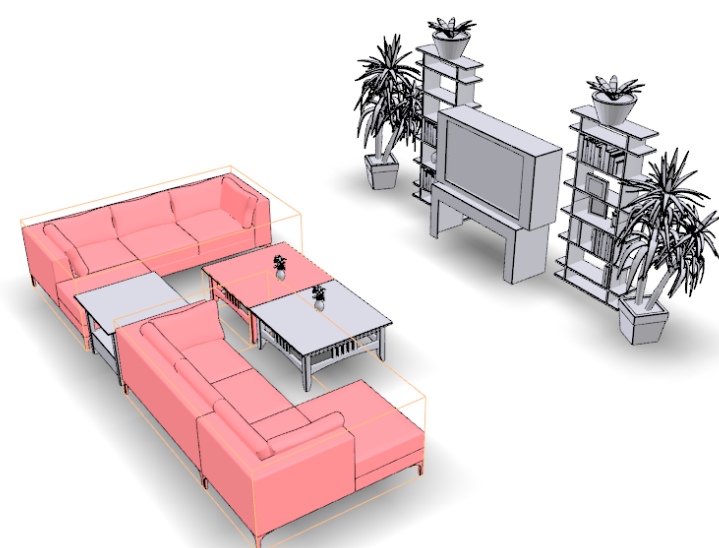
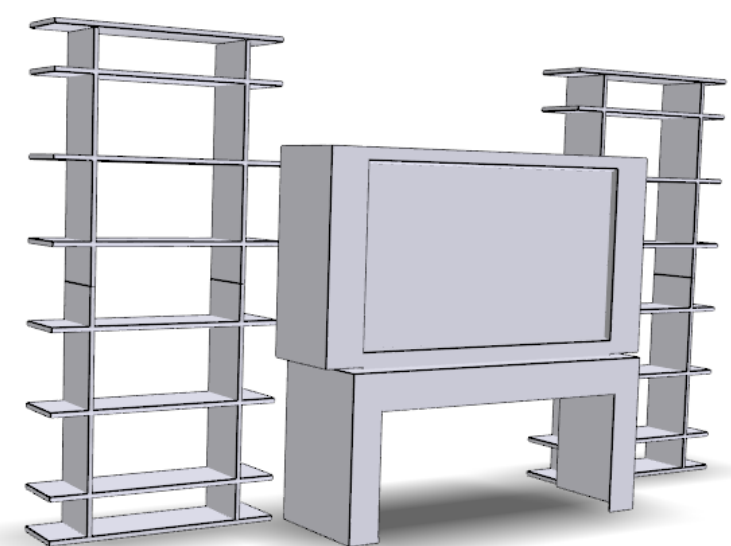
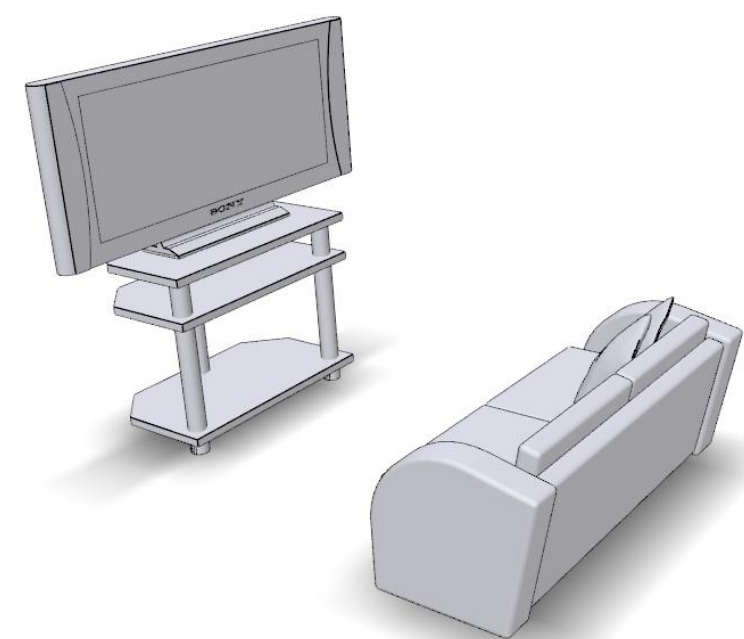
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Tsinghua dataset: Cluster 3/9



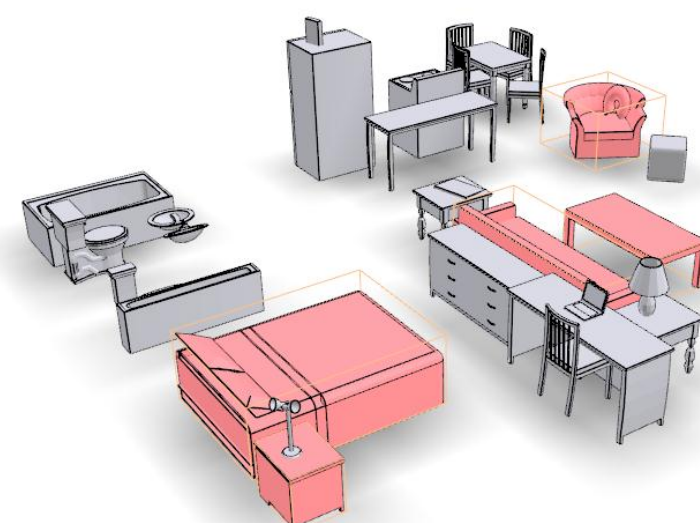
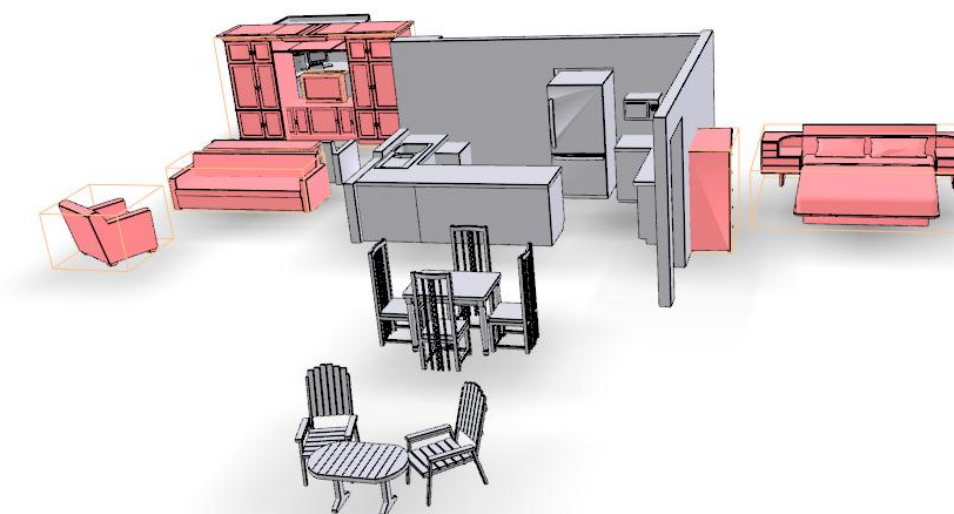
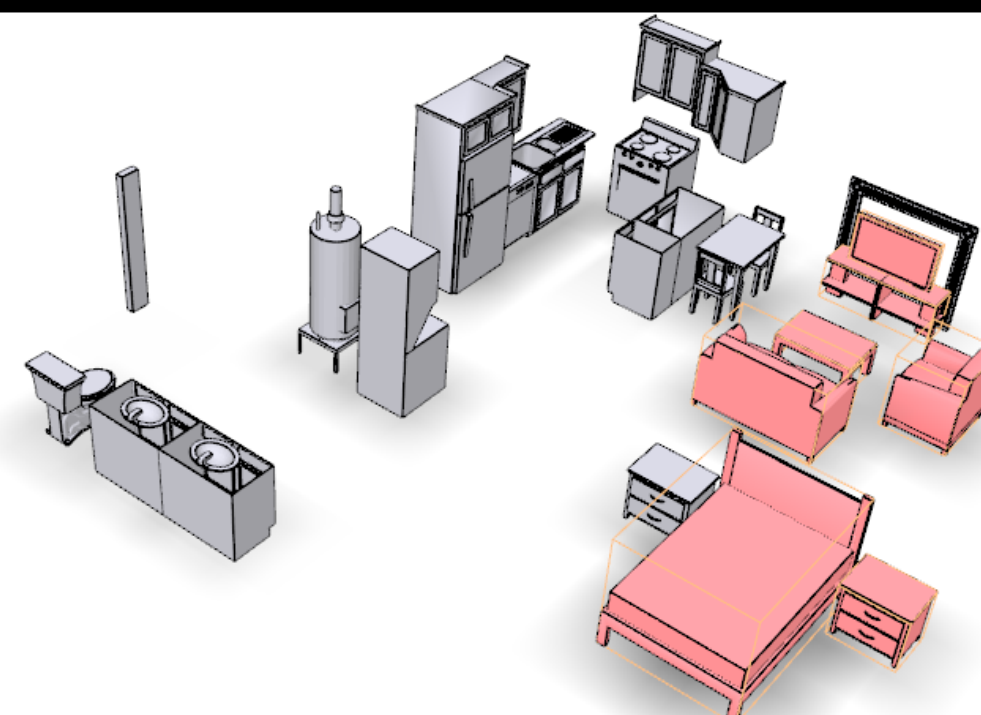
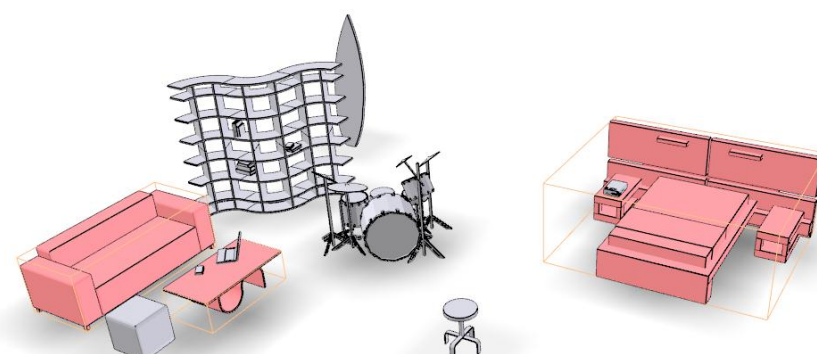
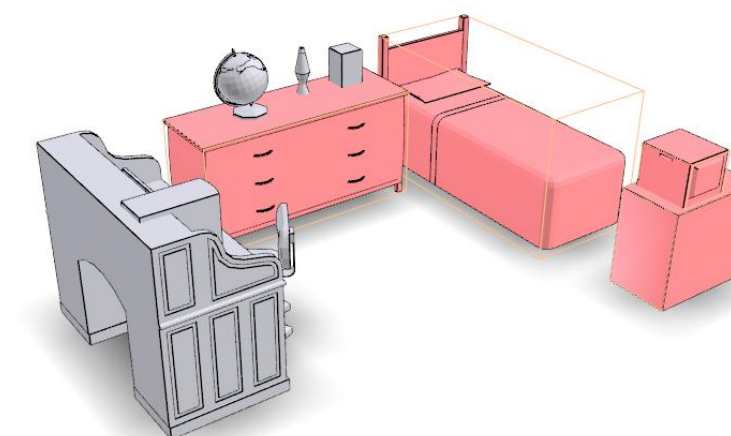
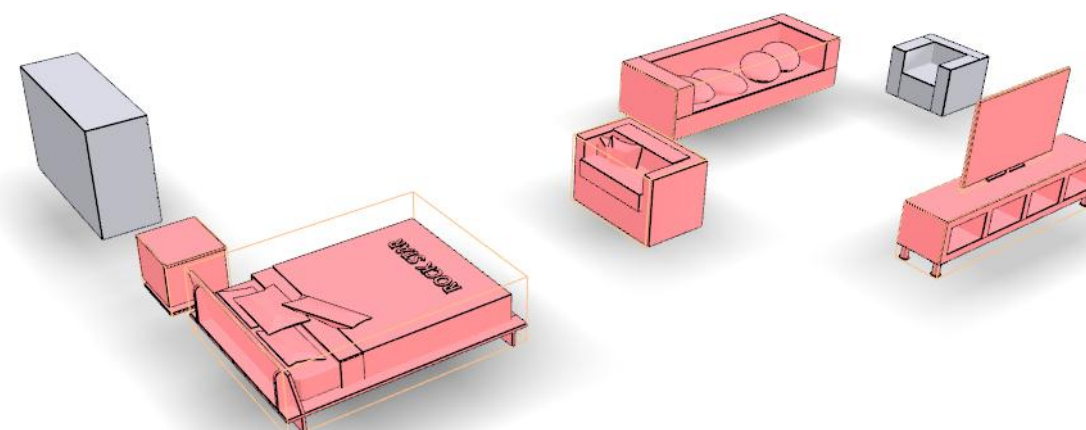
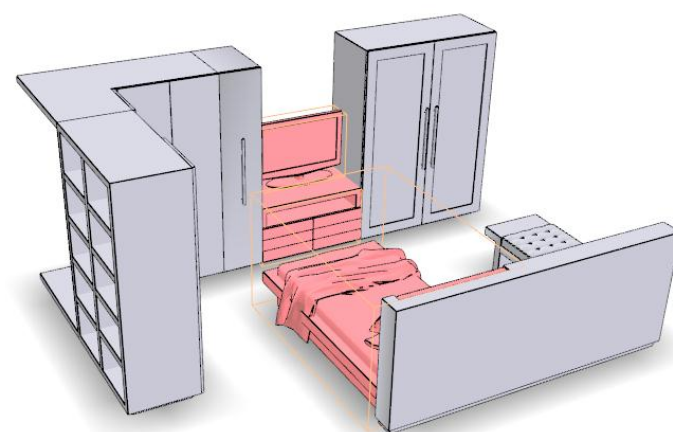
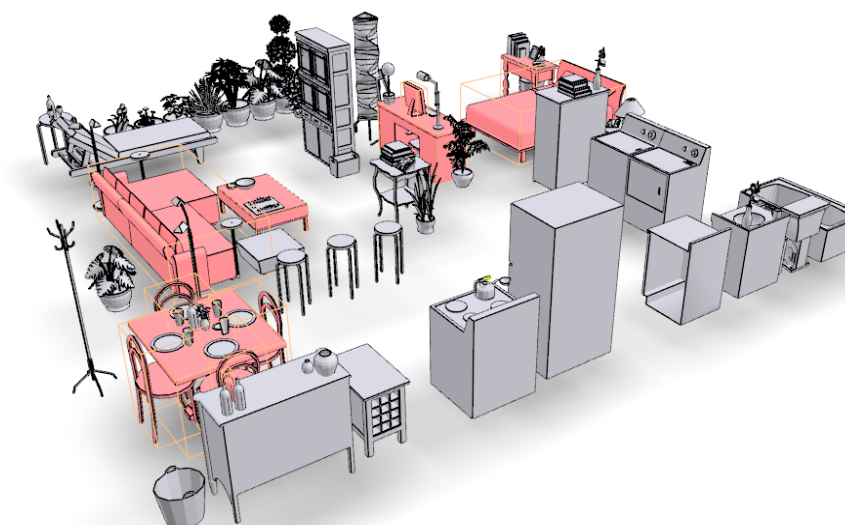
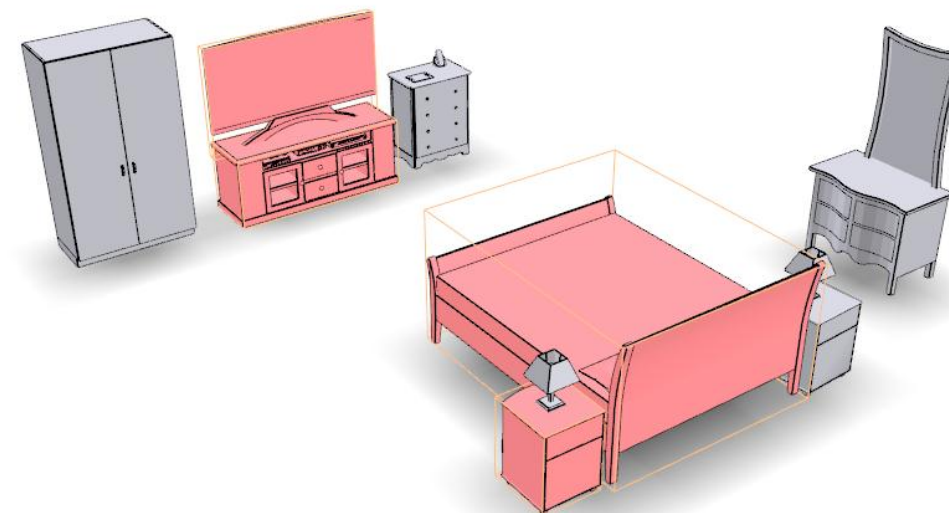
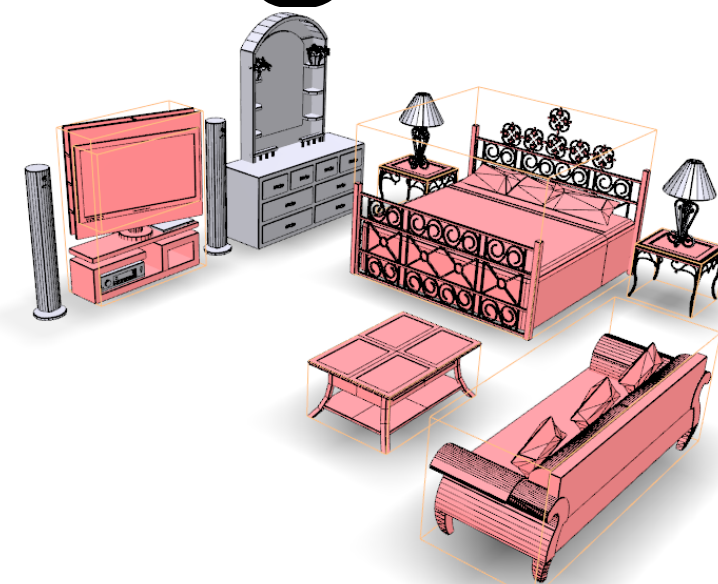
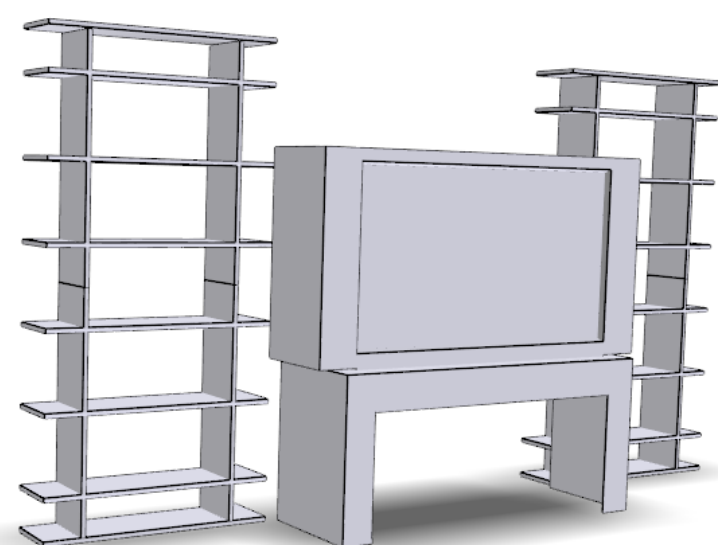
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Tsinghua dataset: Cluster 4/9



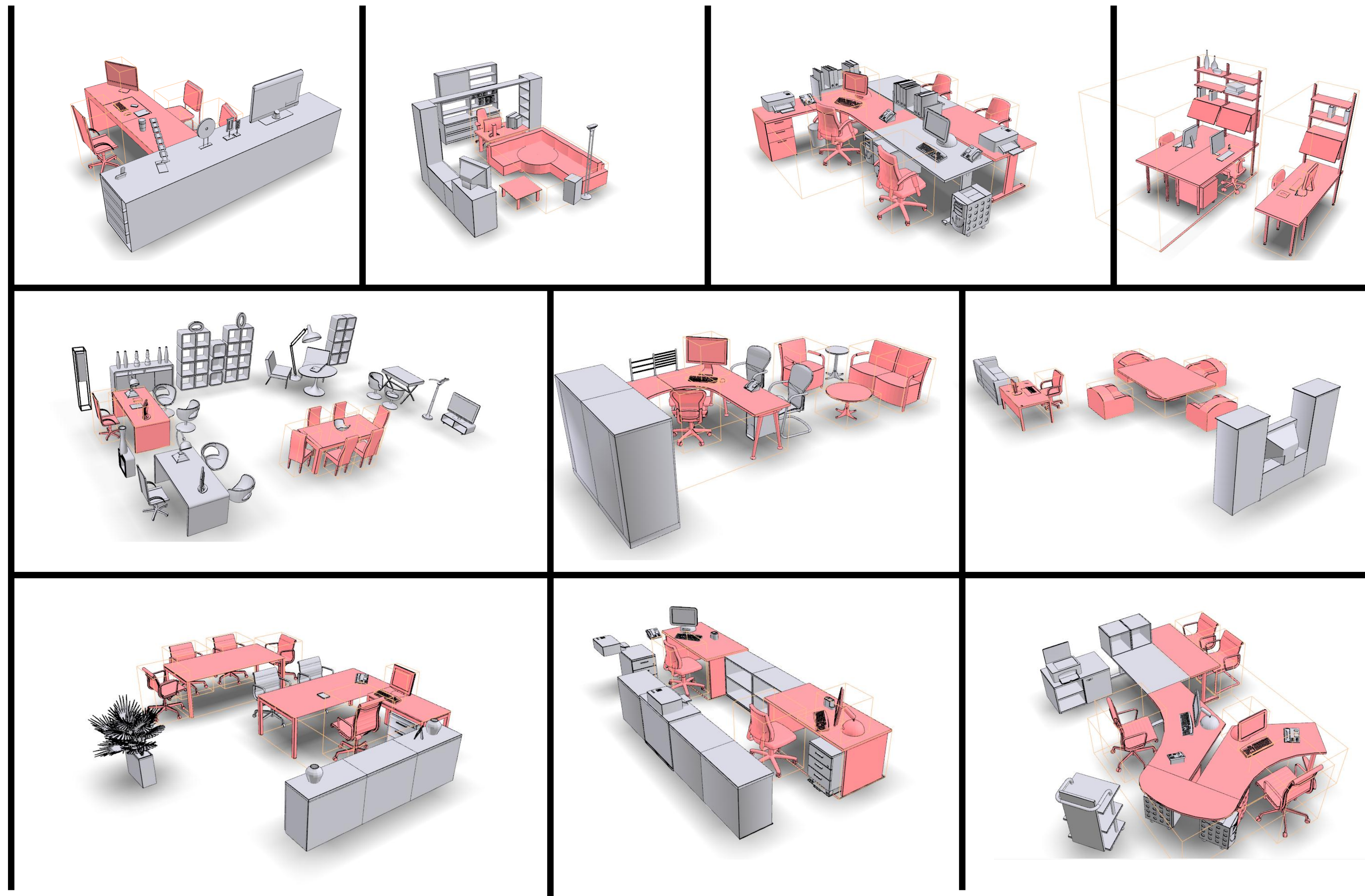
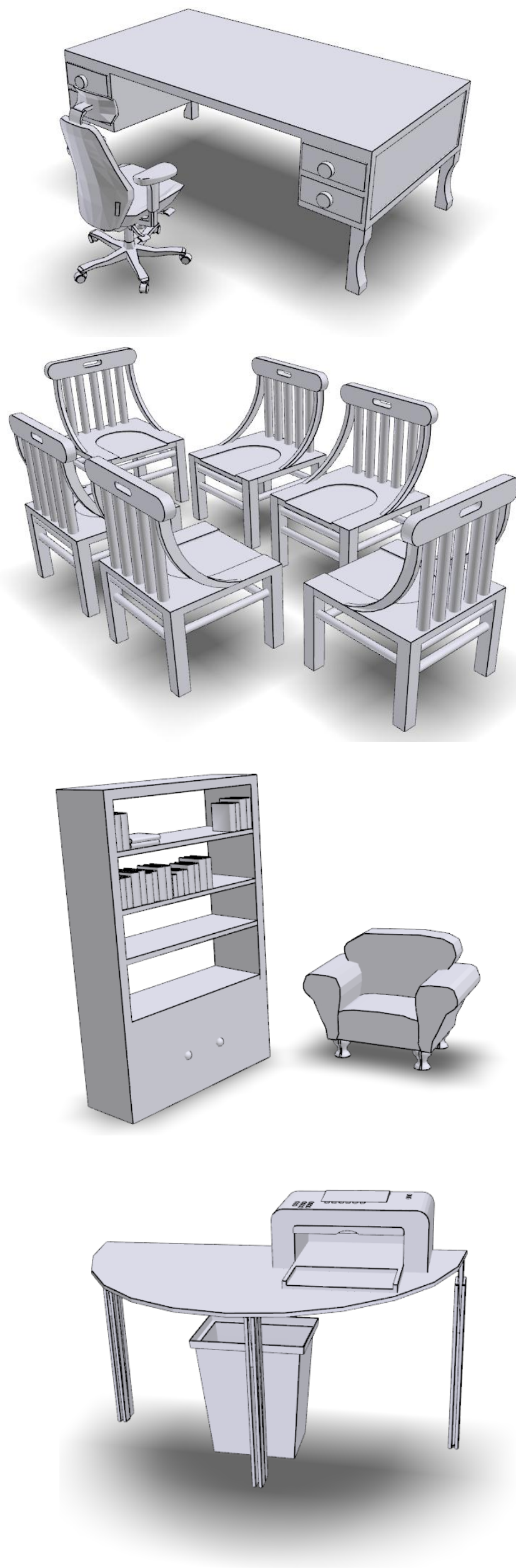
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Tsinghua dataset: Cluster 5/9



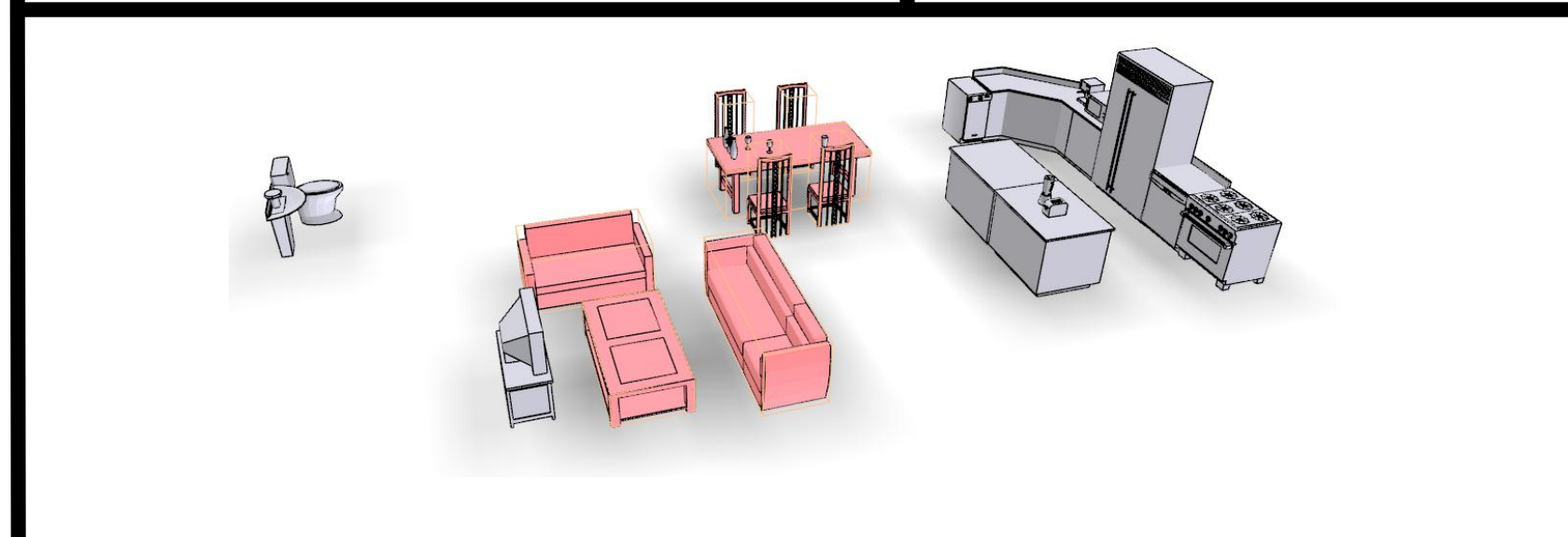
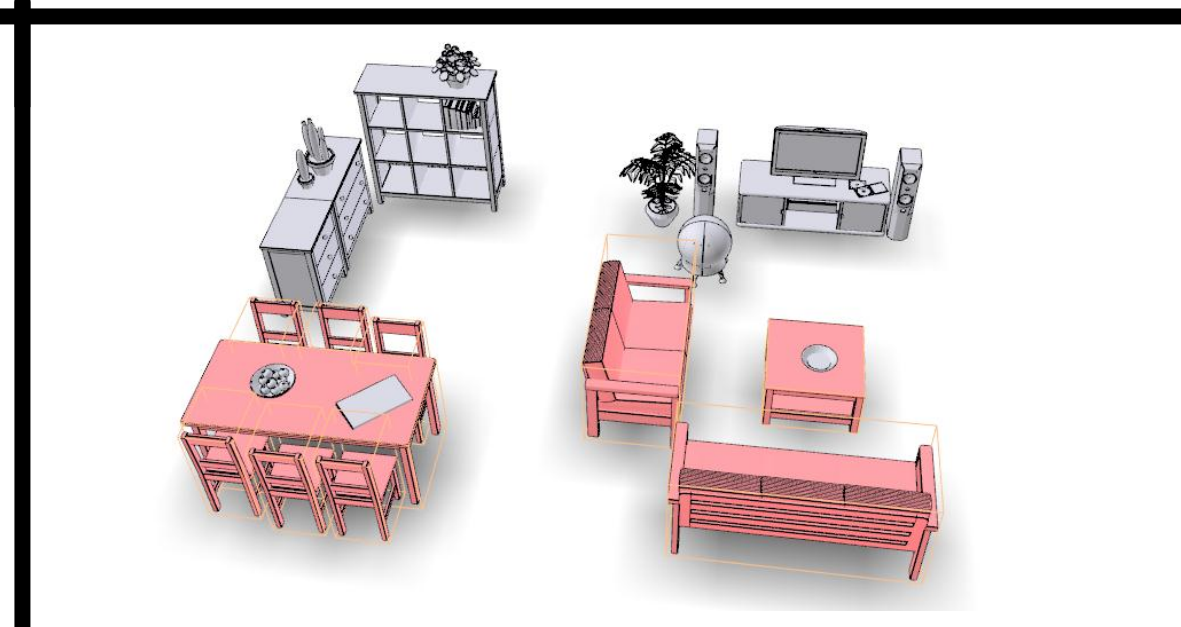
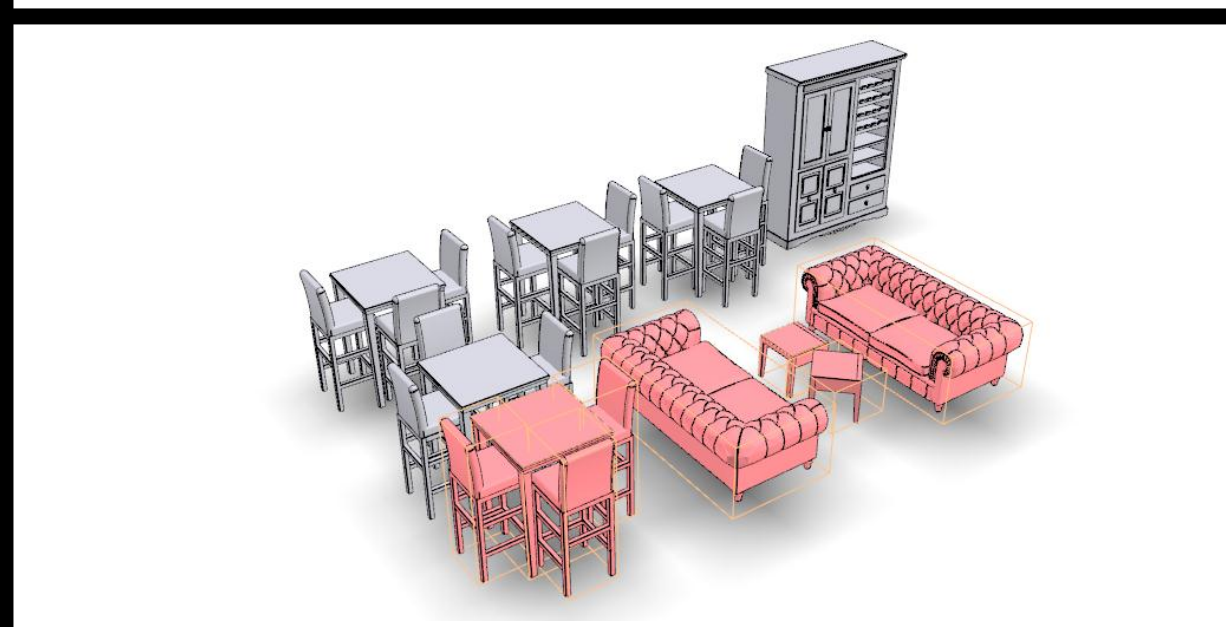
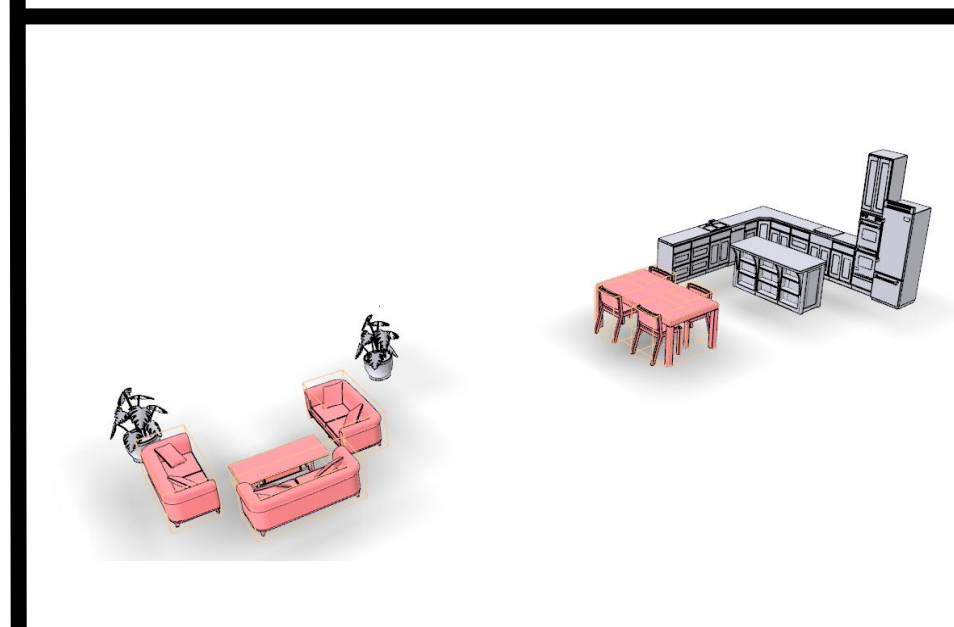
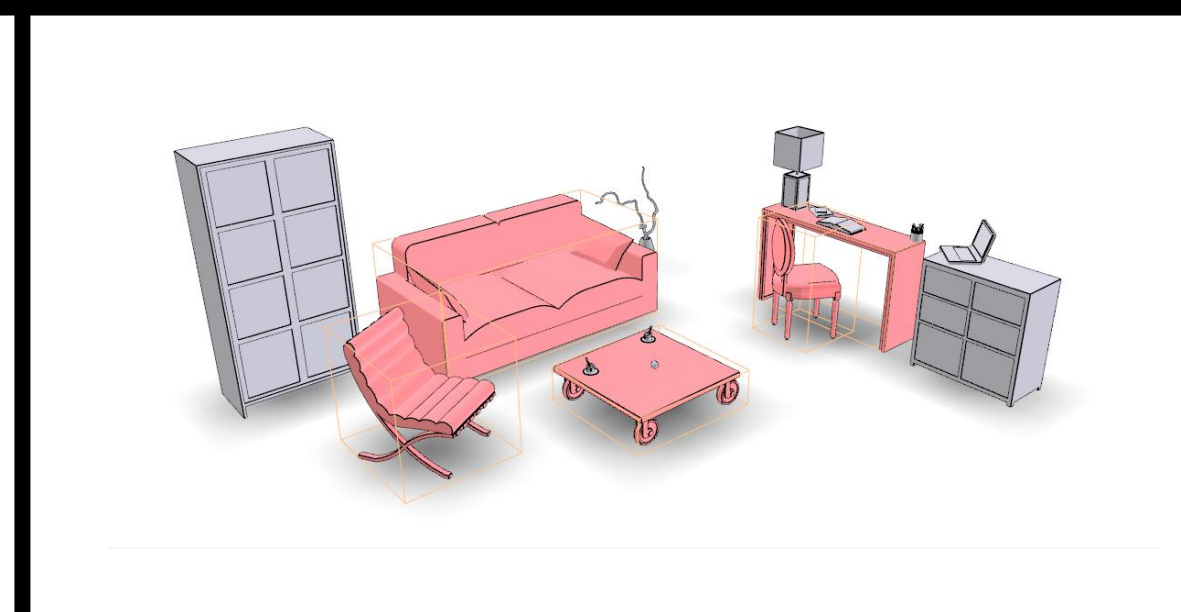
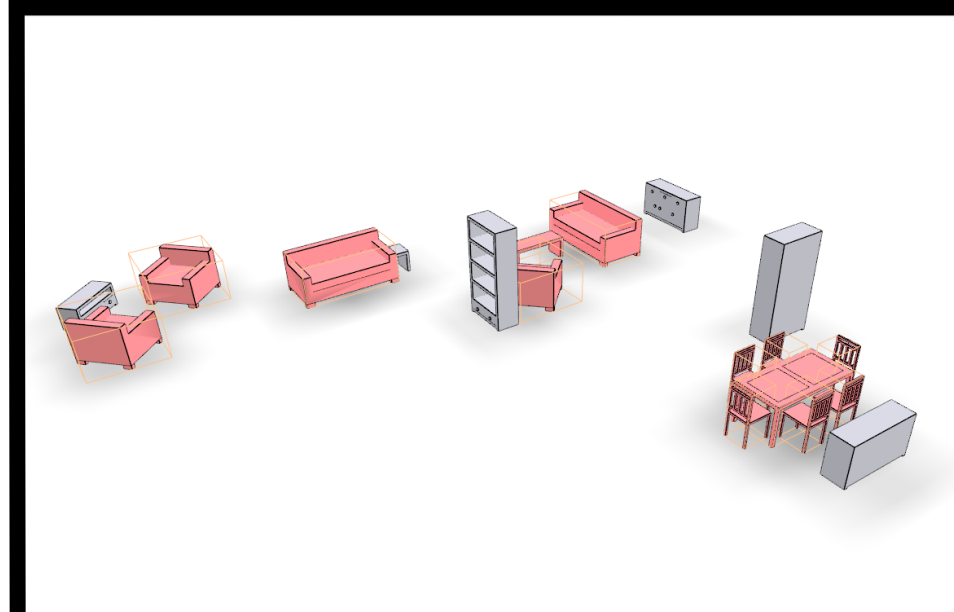
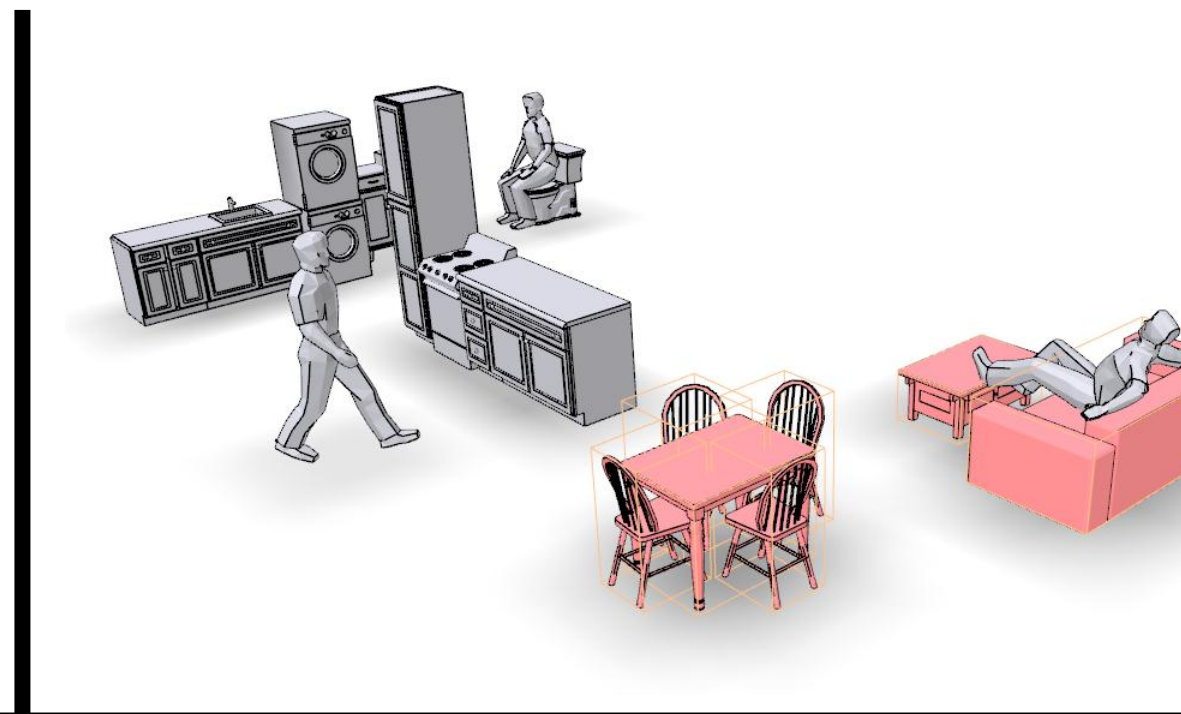
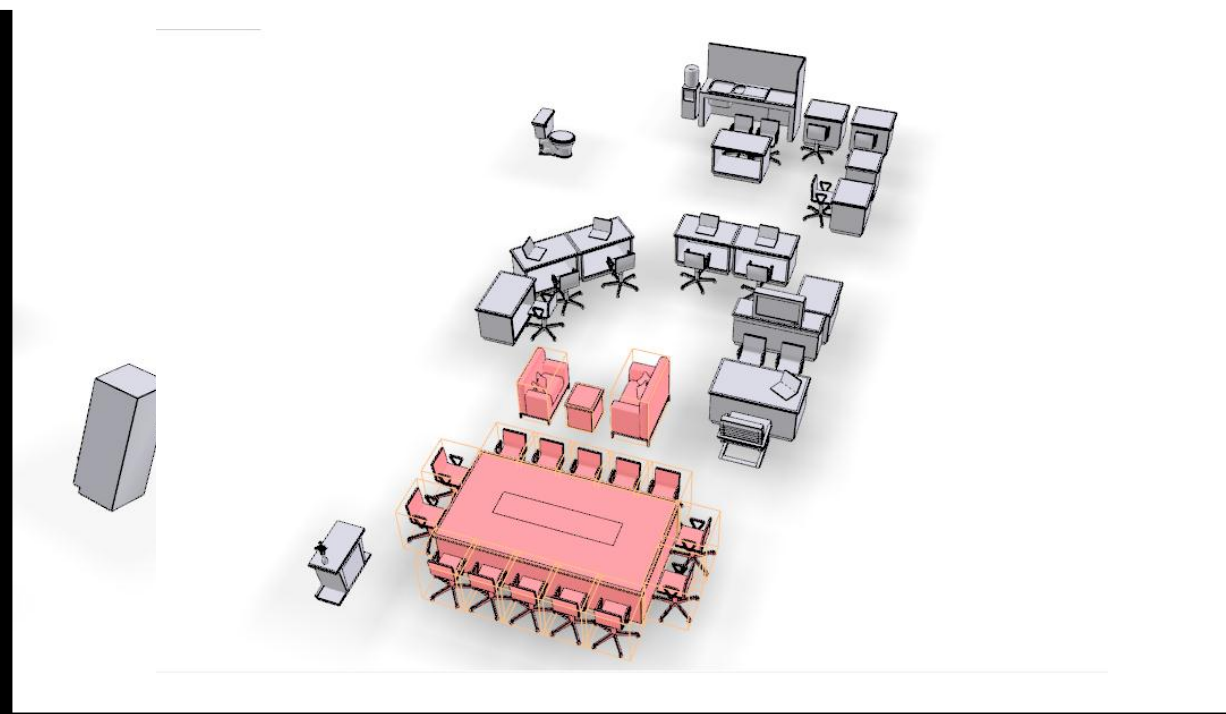
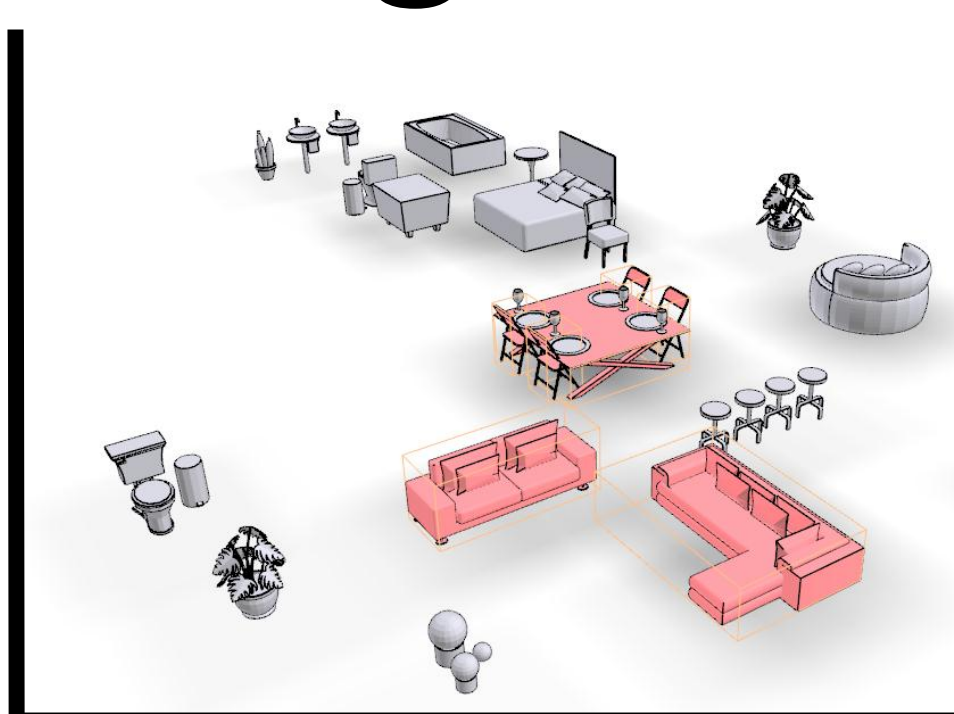
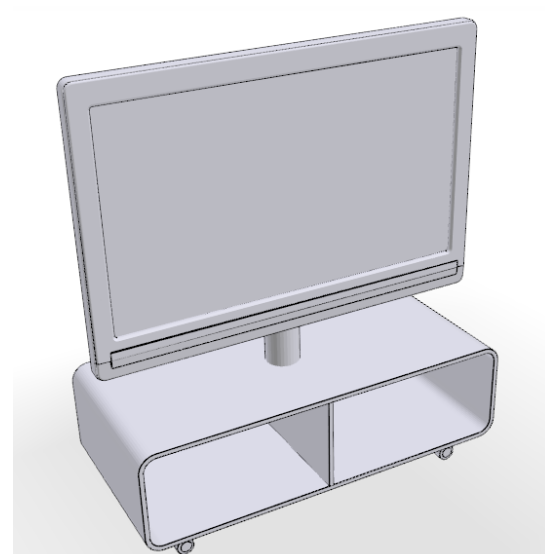
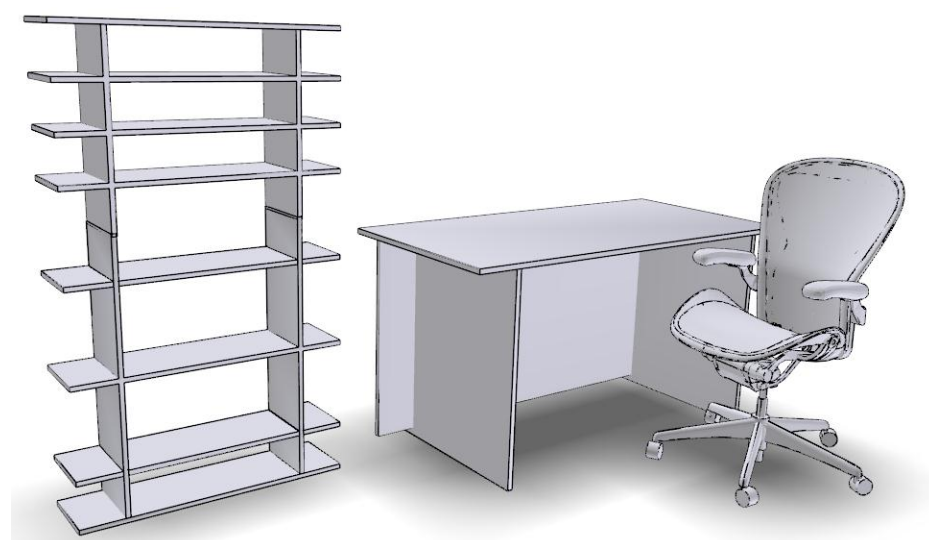
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Tsinghua dataset: Cluster 6/9



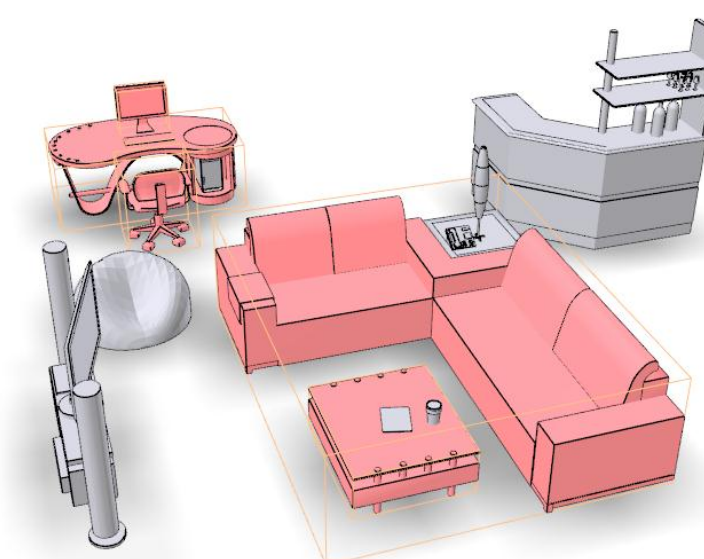
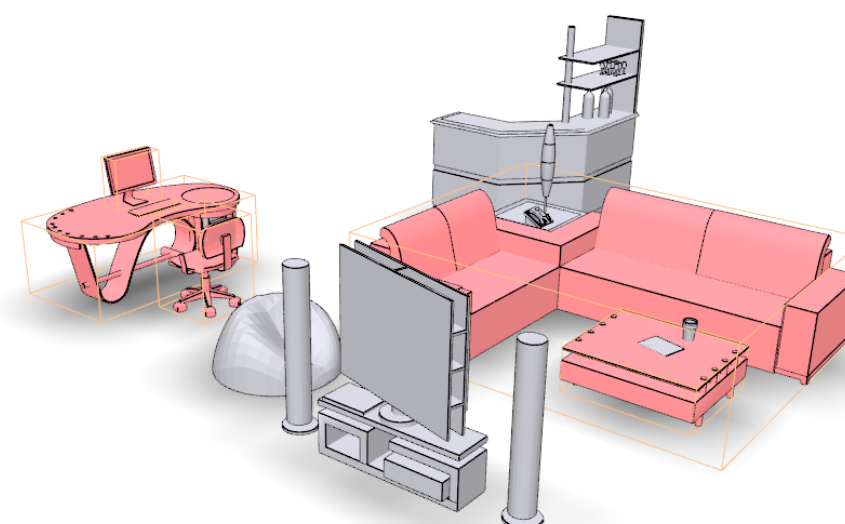
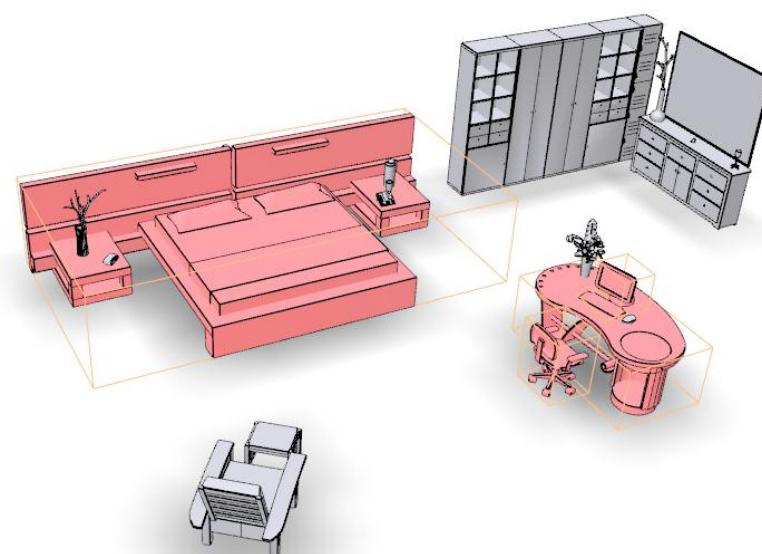
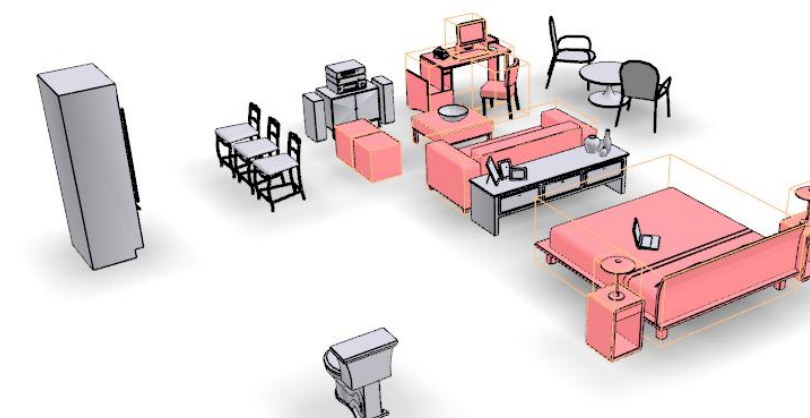
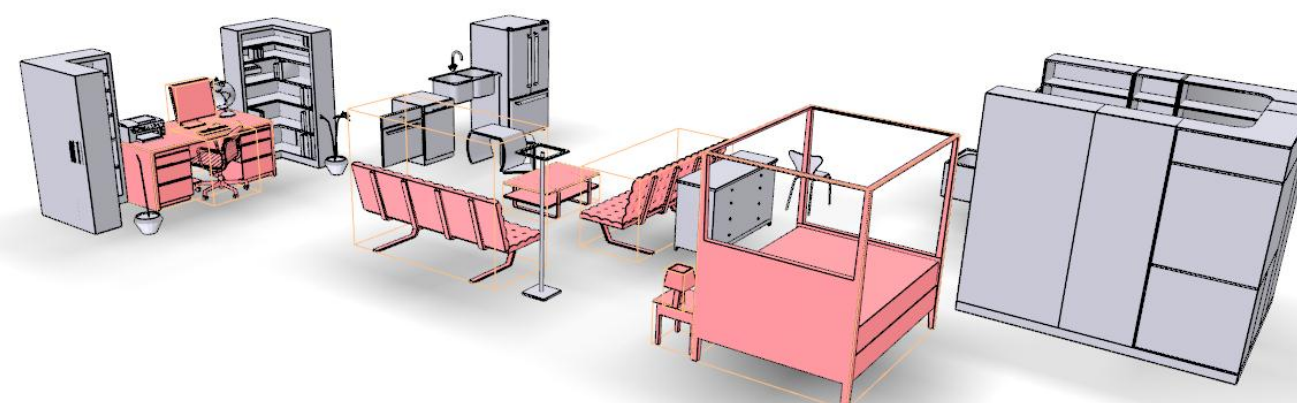
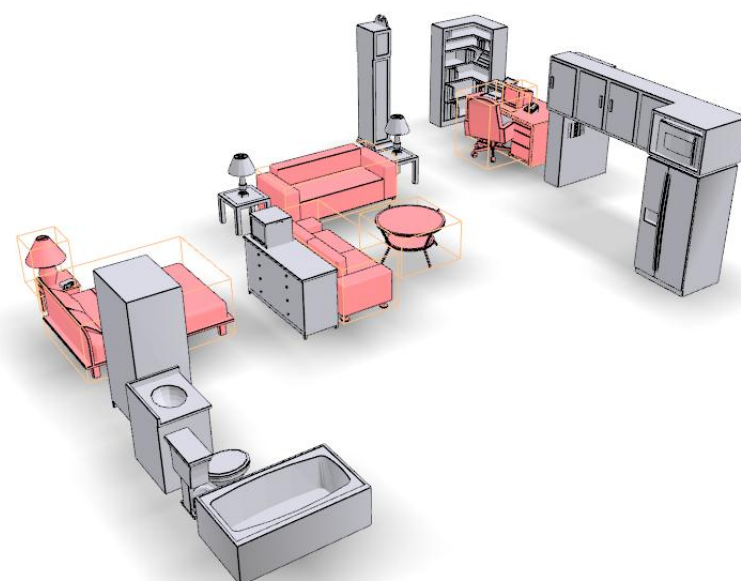
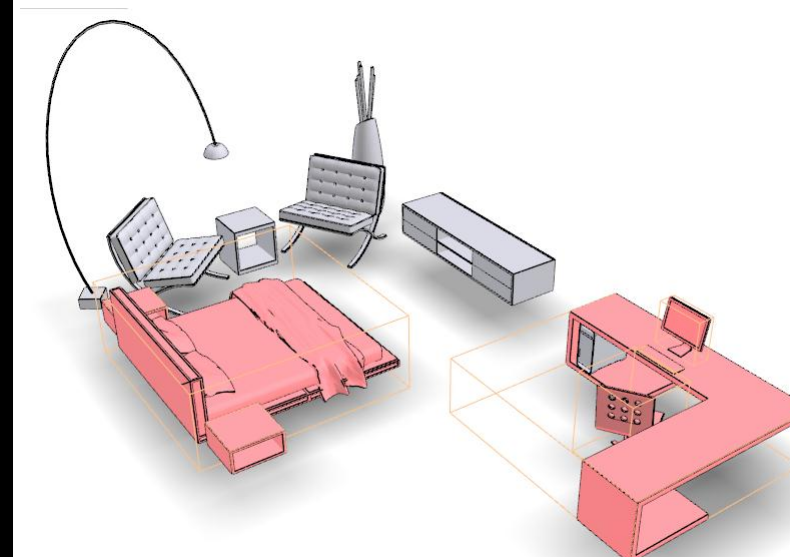
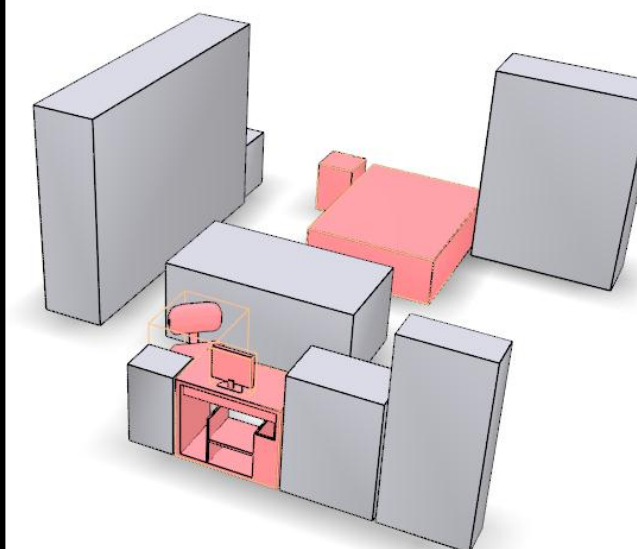
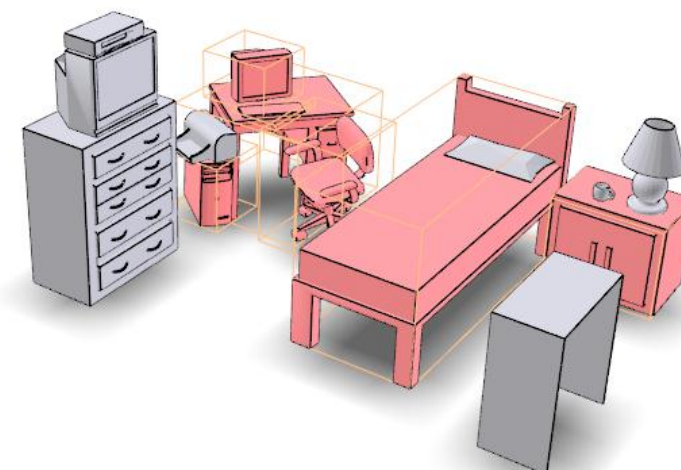
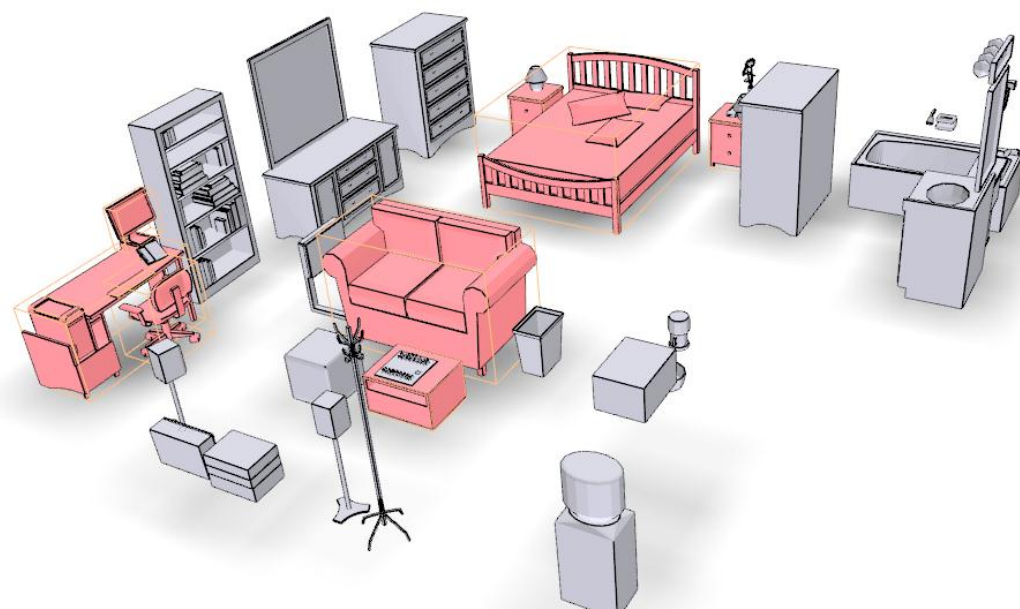
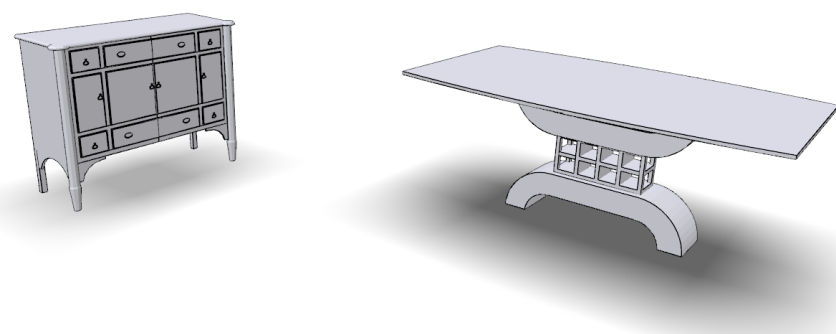
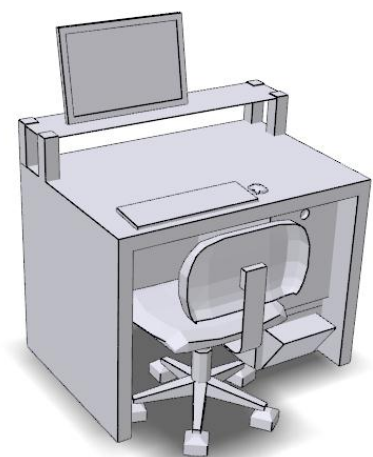
back

Tsinghua dataset: Cluster 7/9



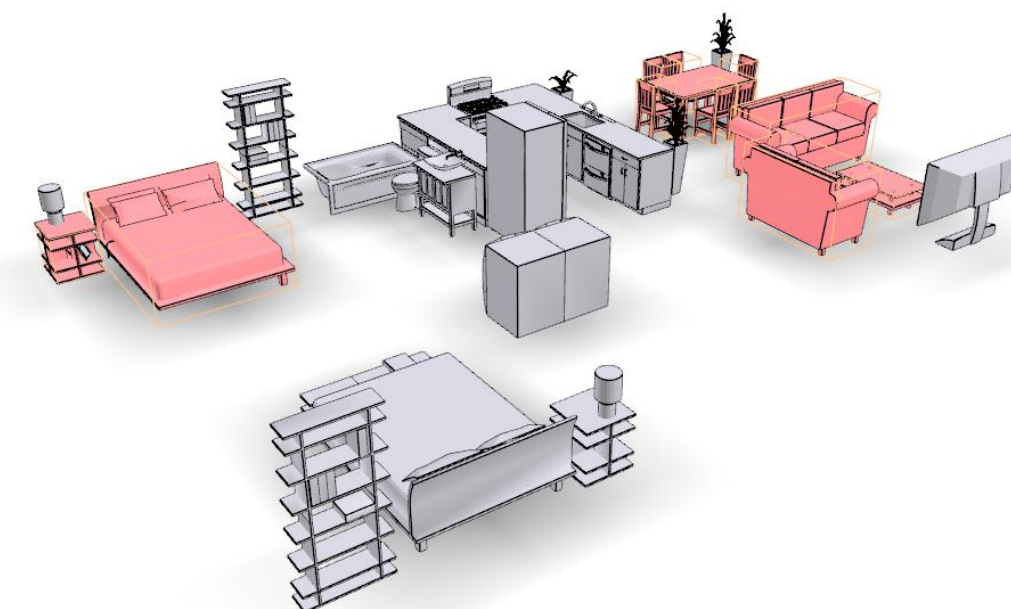
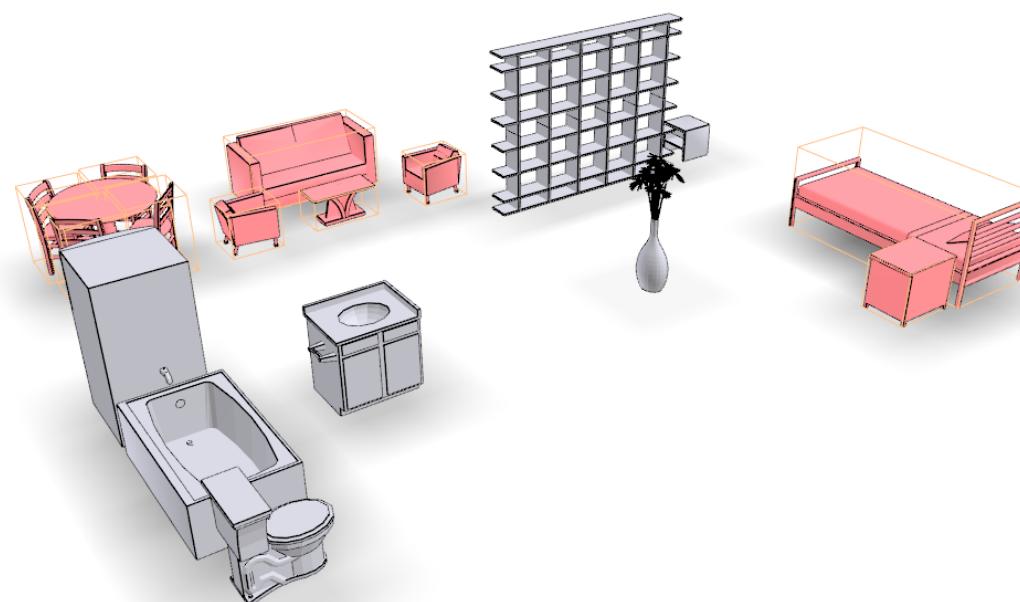
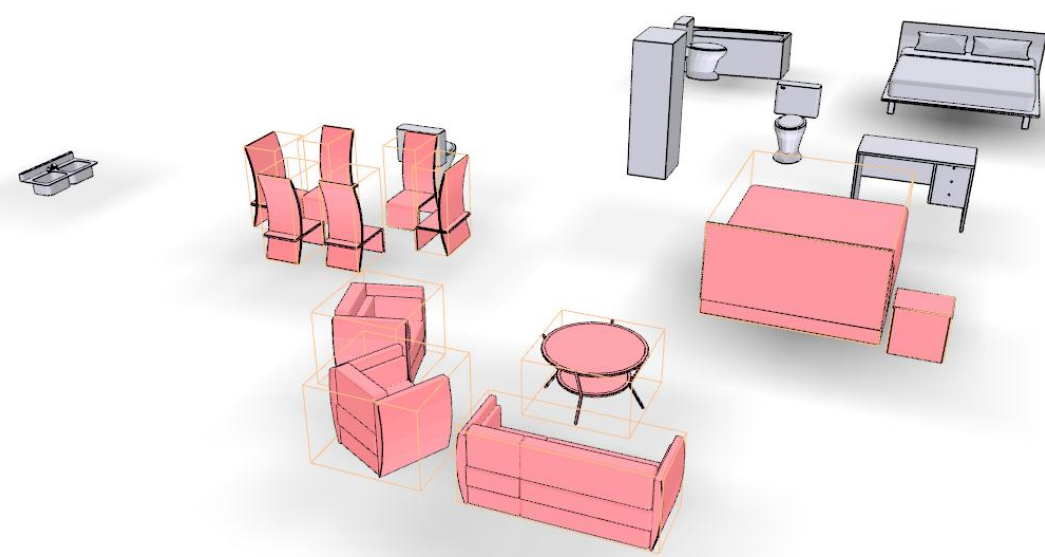
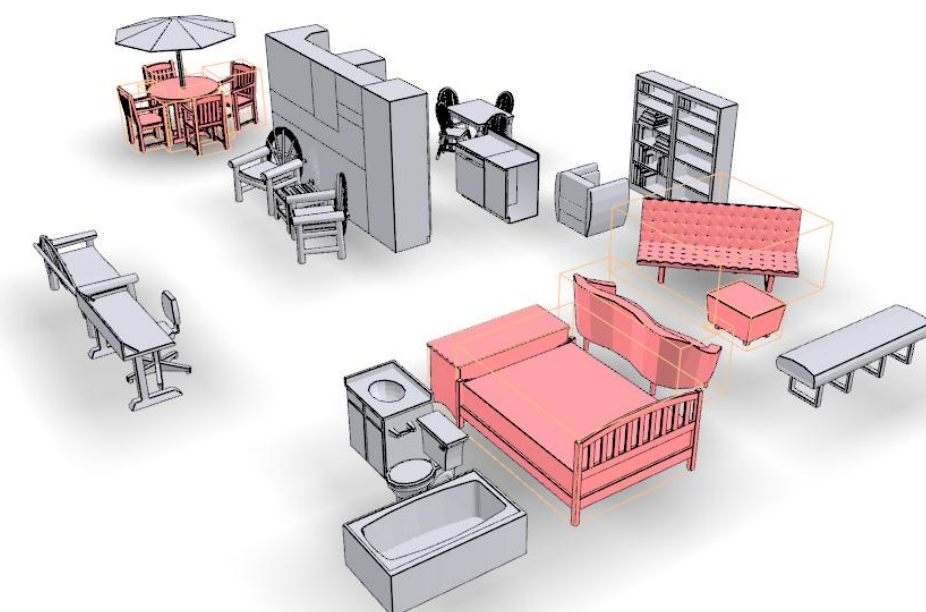
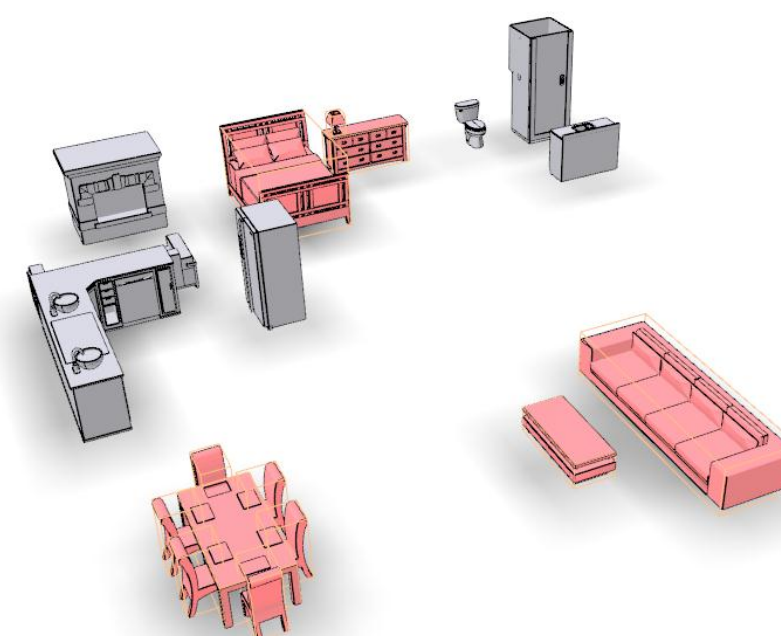
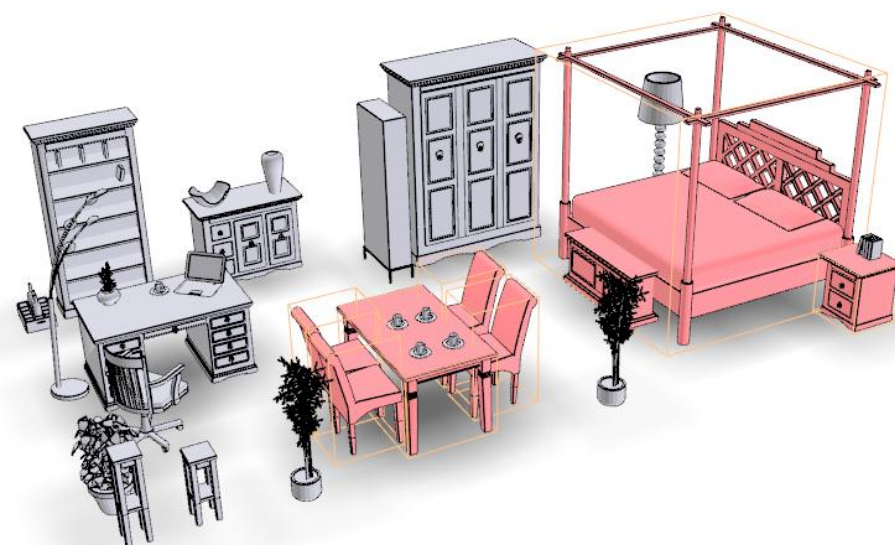
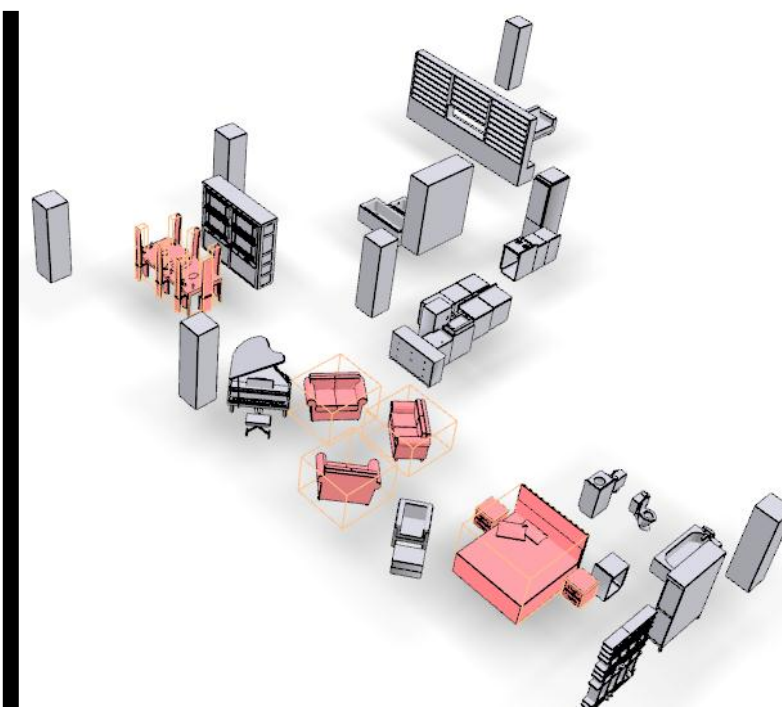
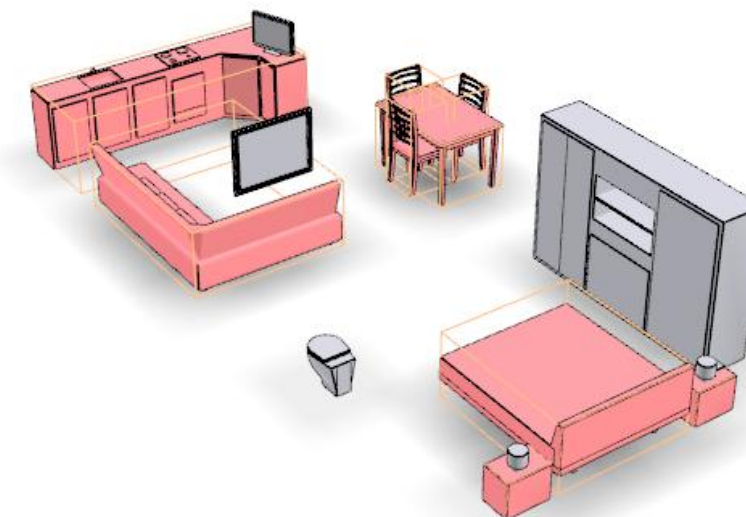
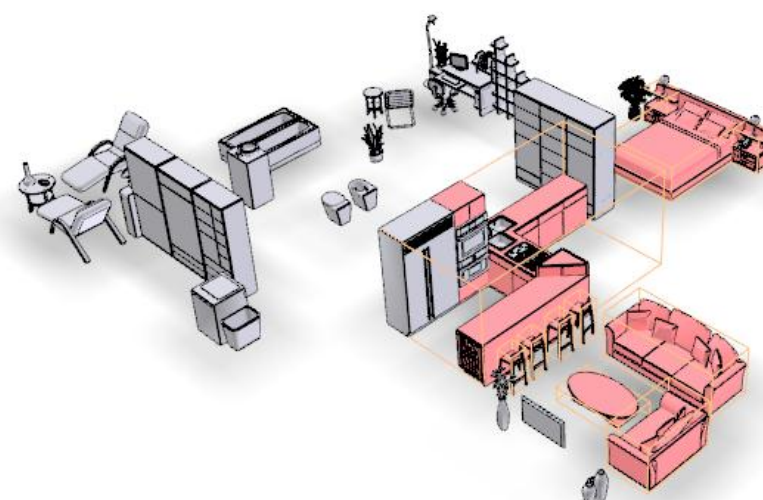
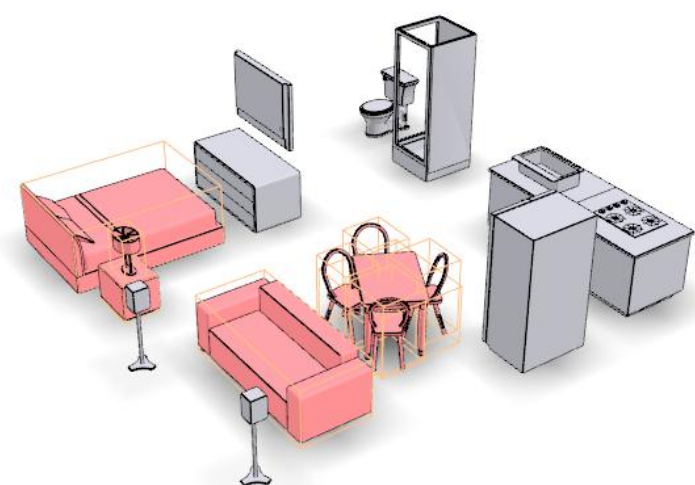
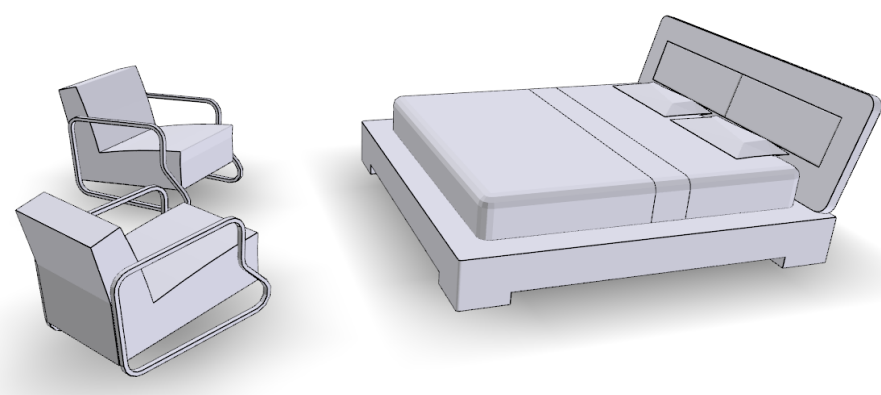
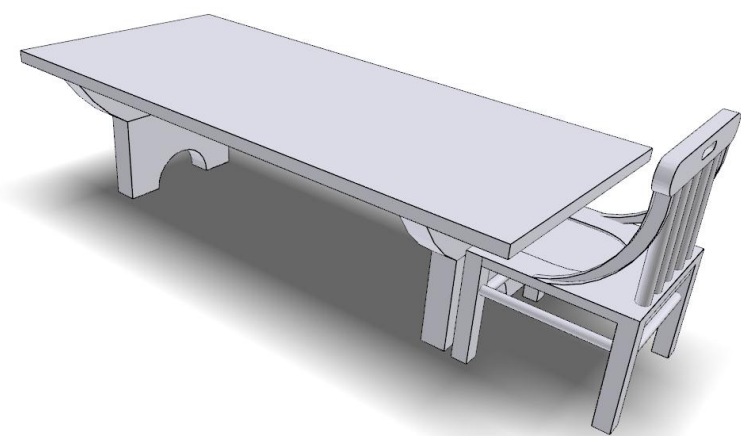
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Tsinghua dataset: Cluster 8/9



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Tsinghua dataset: Cluster 9/9

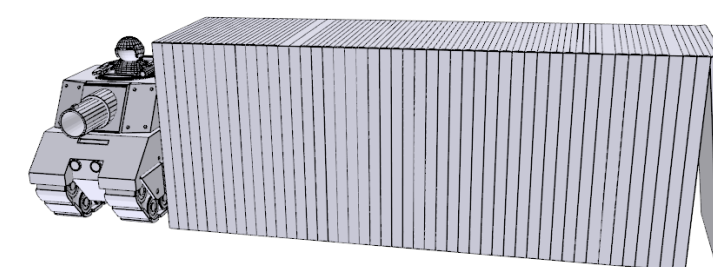
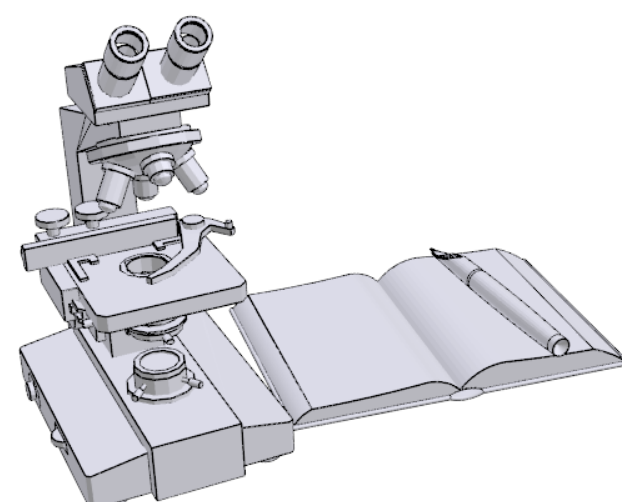
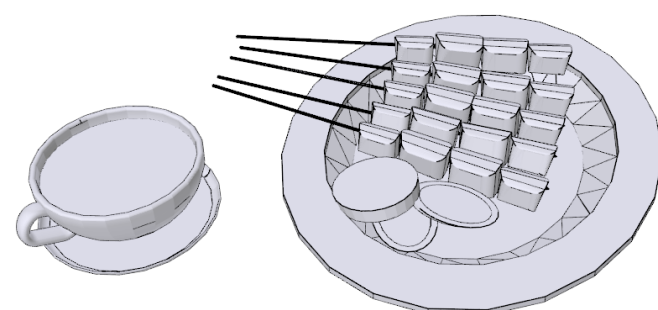
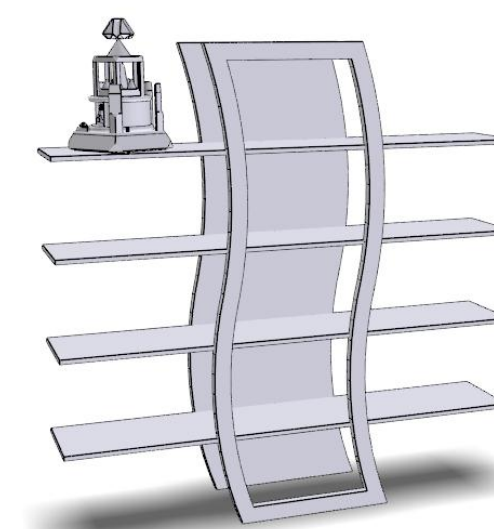
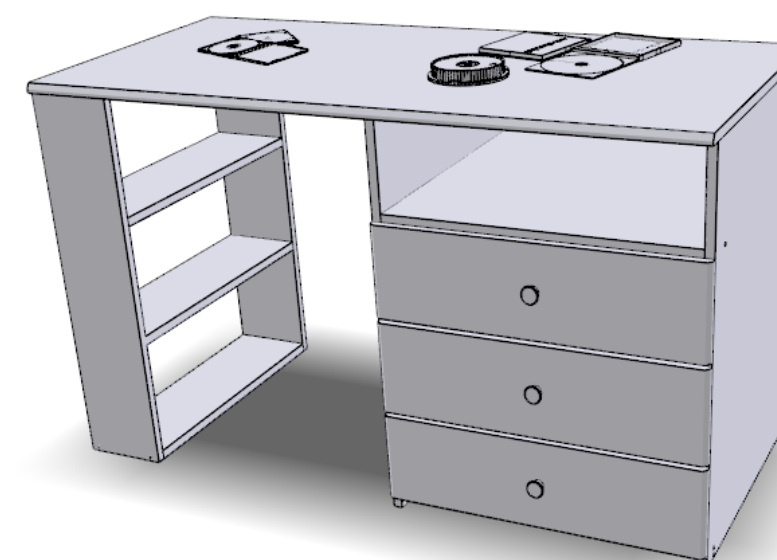
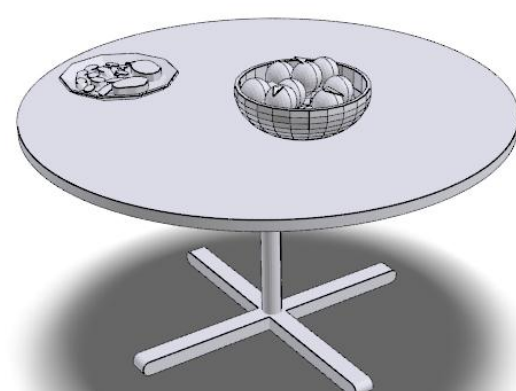
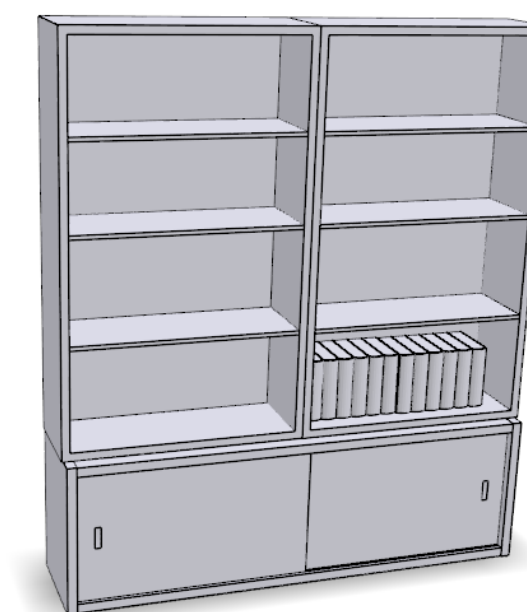
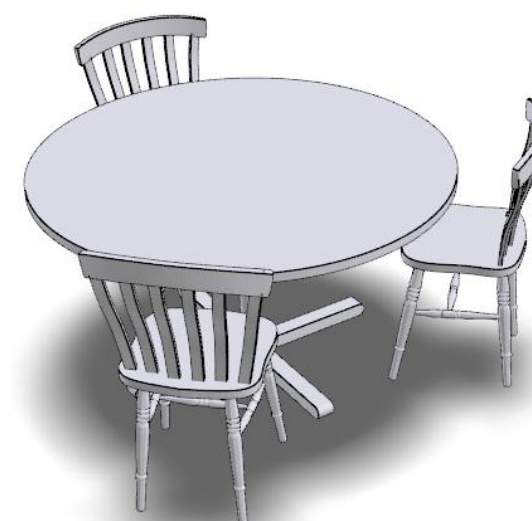
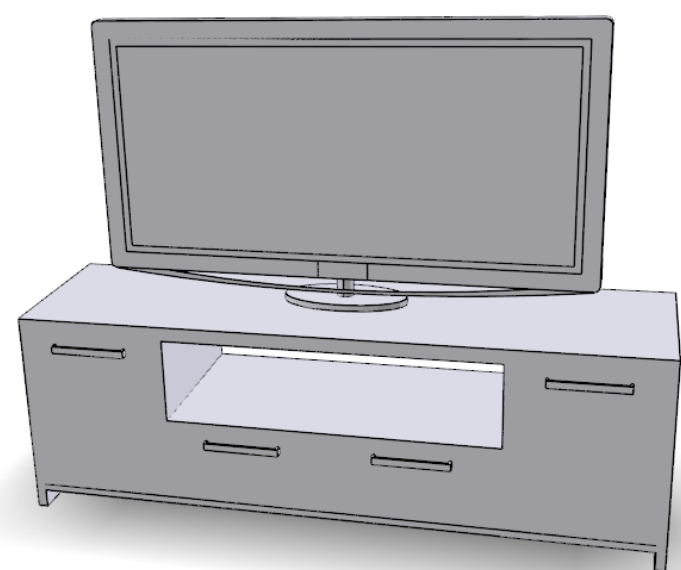


Stanford dataset

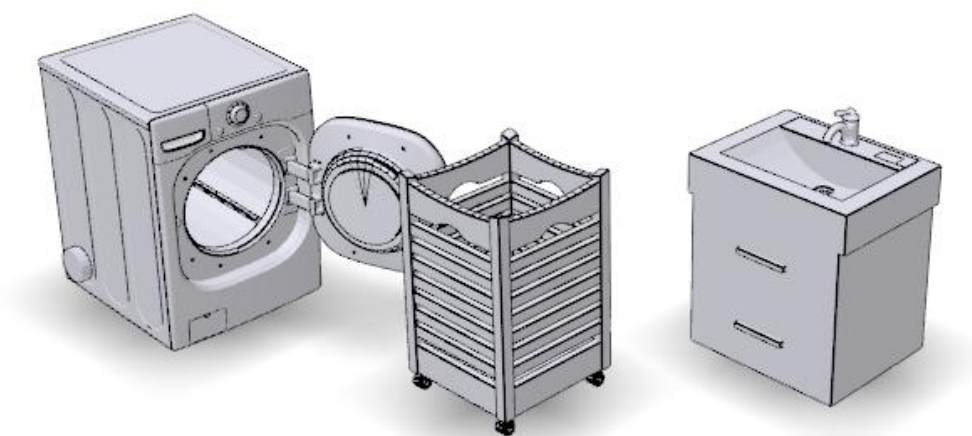
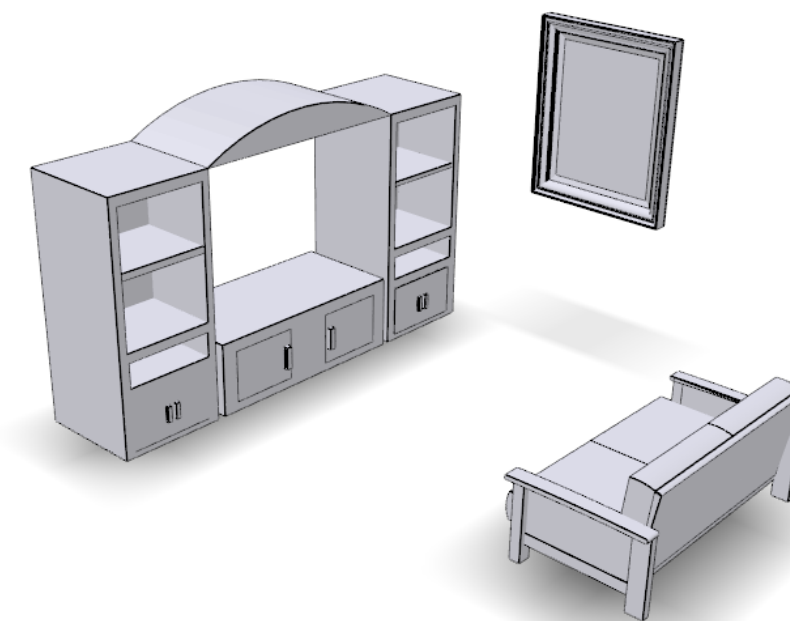
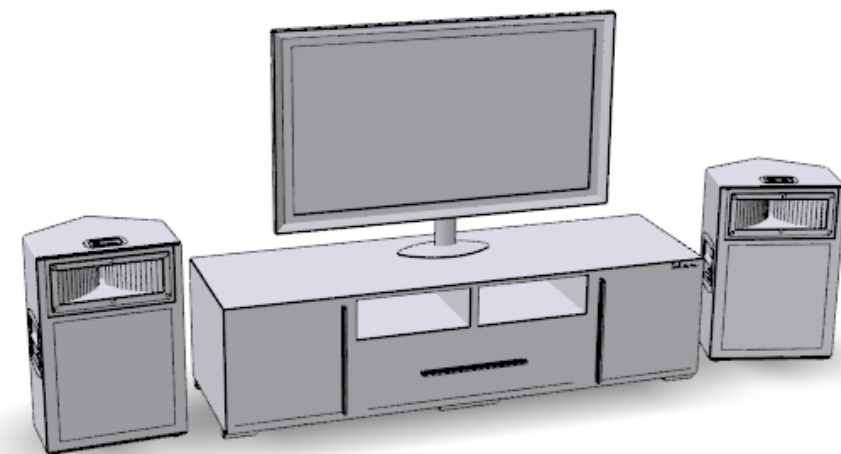
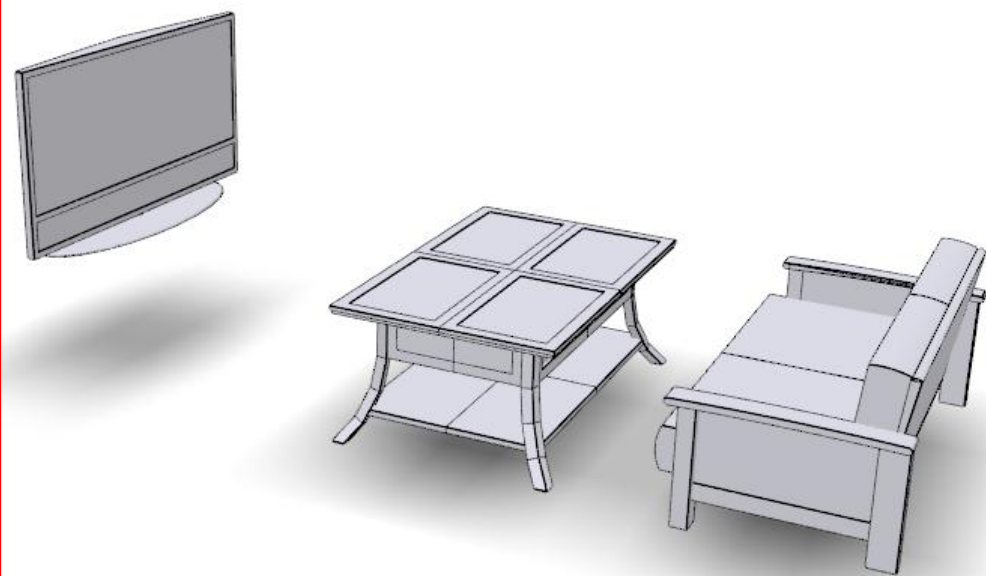
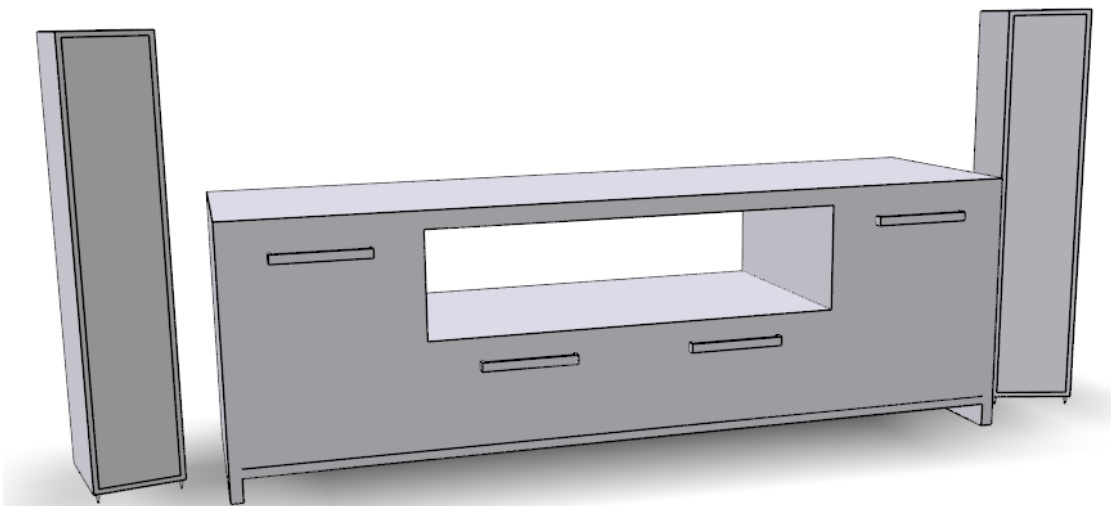
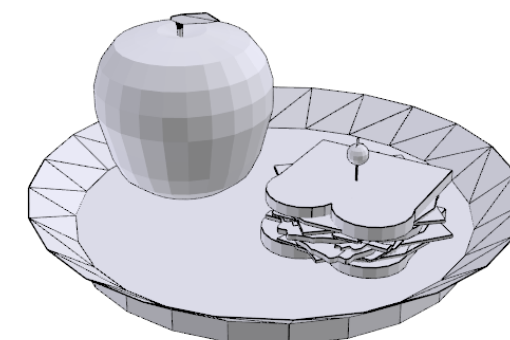
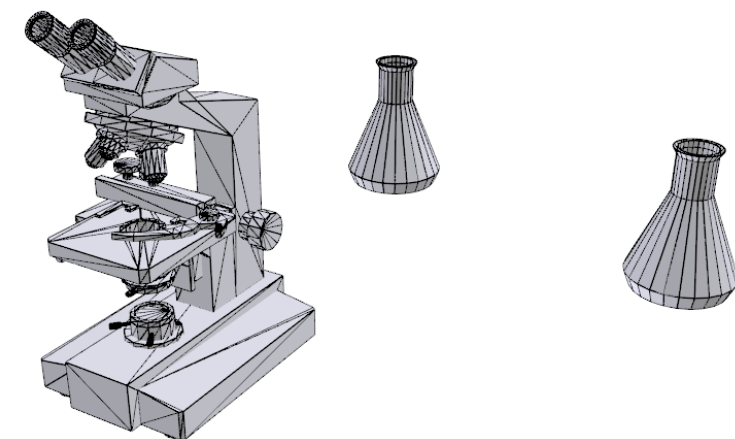
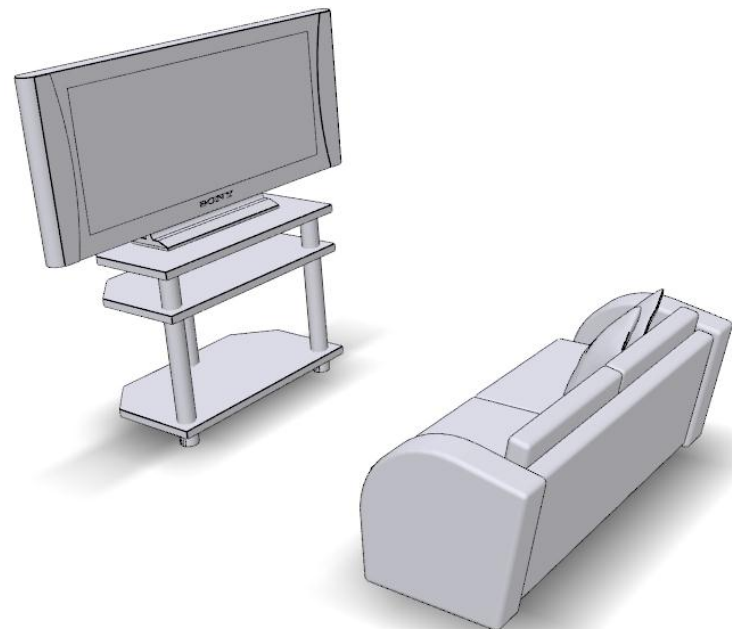
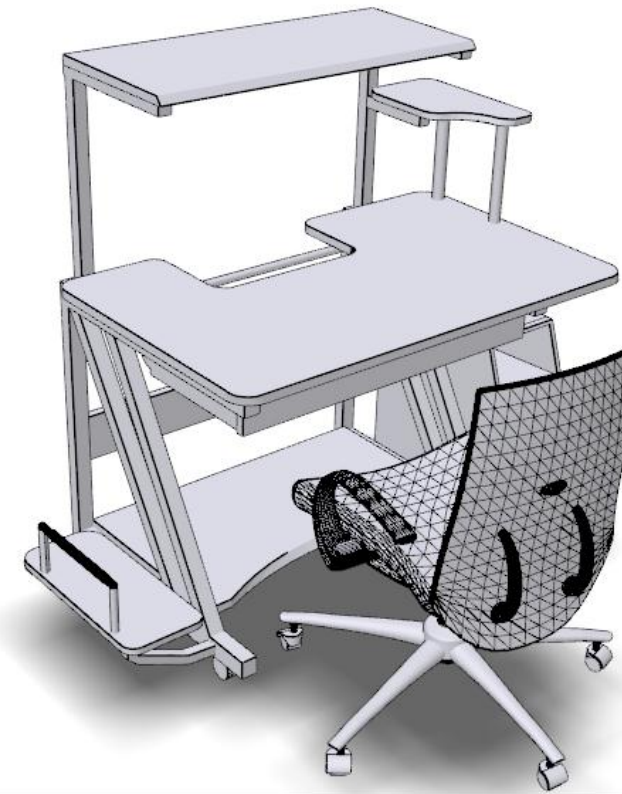
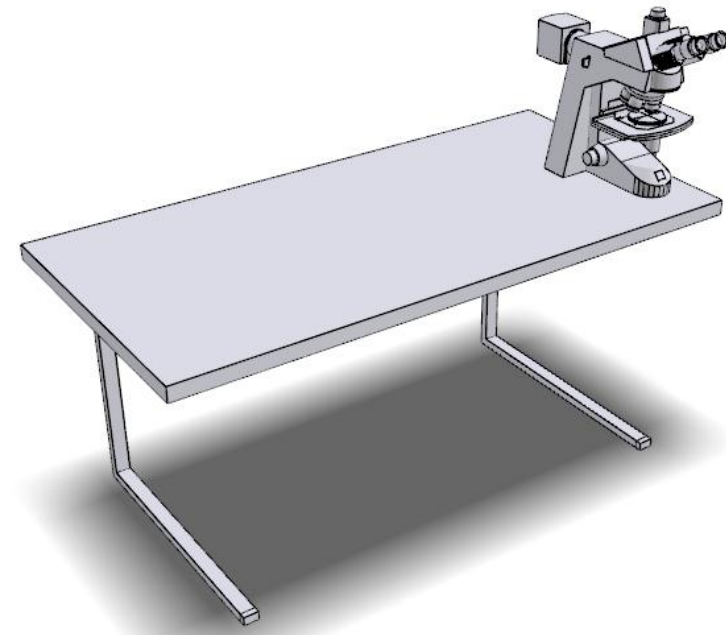
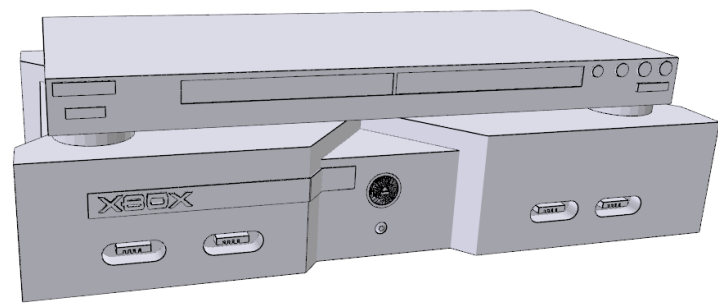
Focal points

(24 focals include 4 non-local ones)

Stanford dataset: Focal points (1/2)



Stanford dataset: Focal points (2/2)



* Non-local focal points are marked in red.

Stanford dataset Clusters

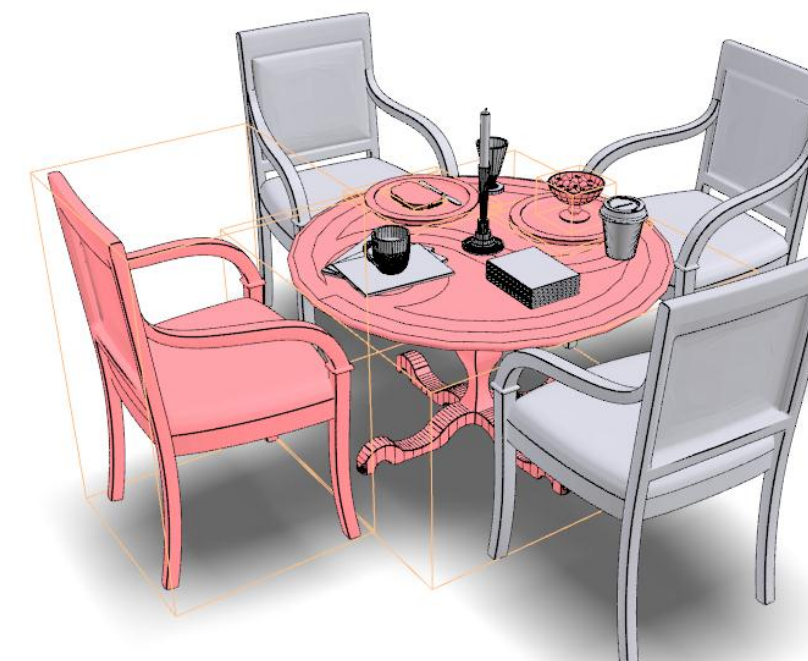
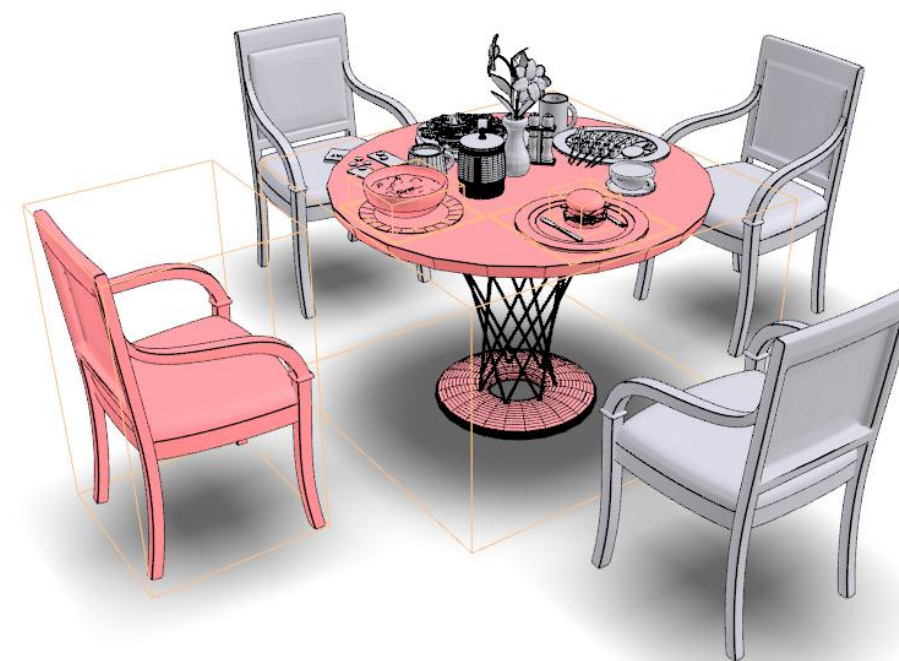
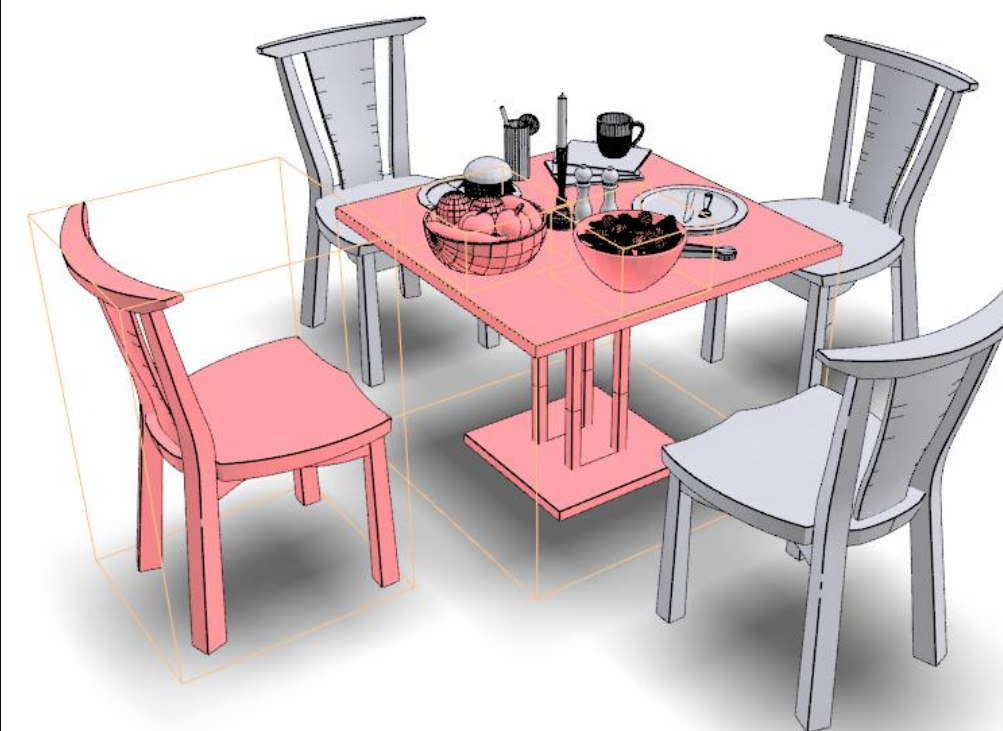
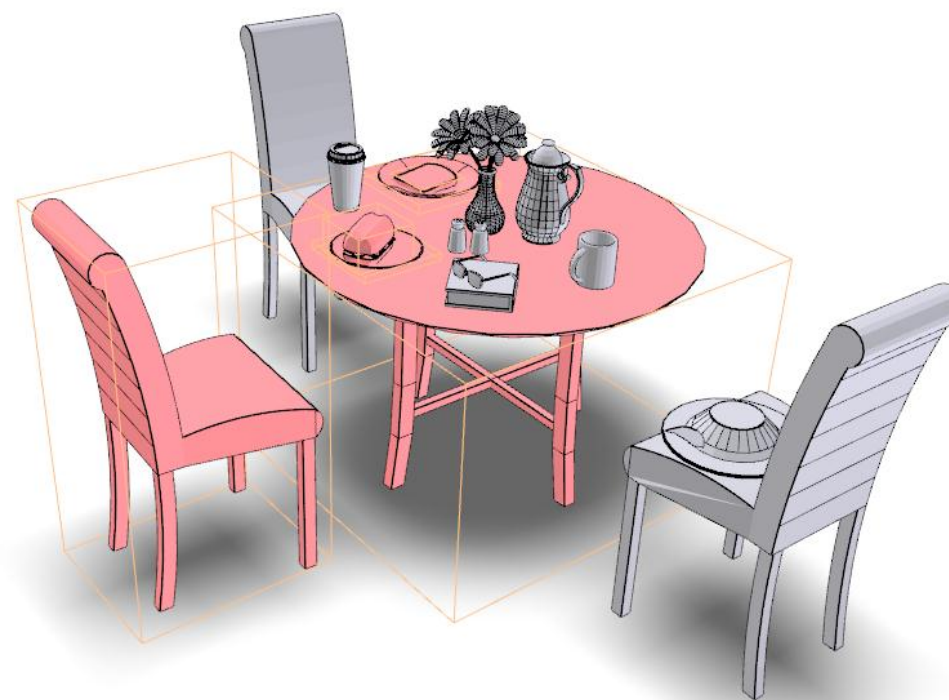
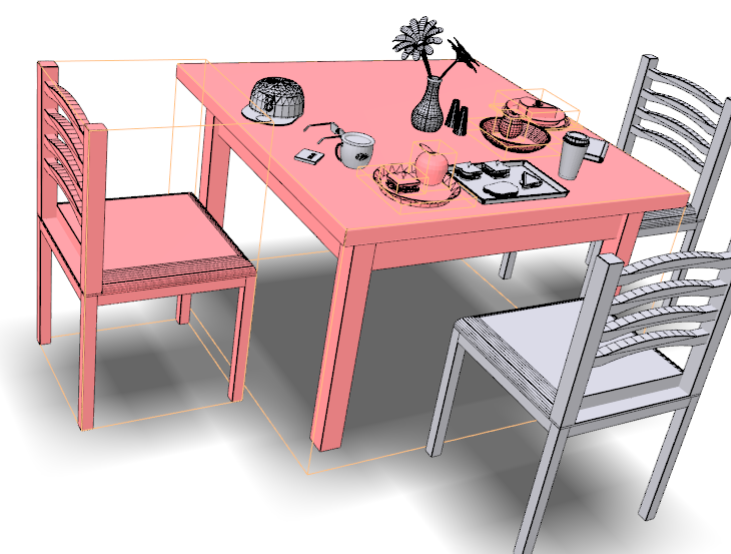
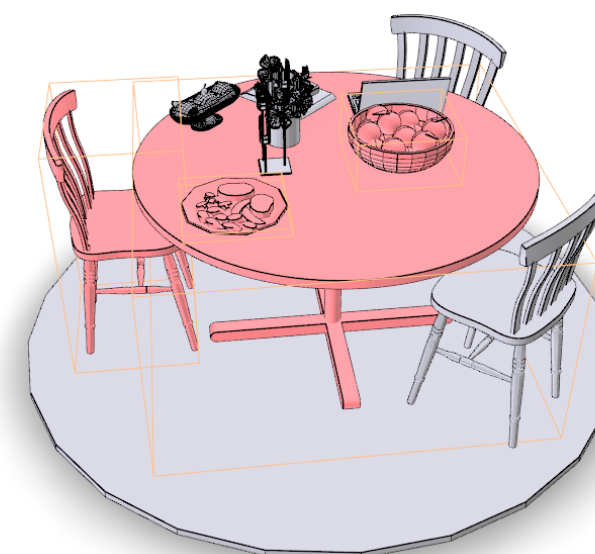
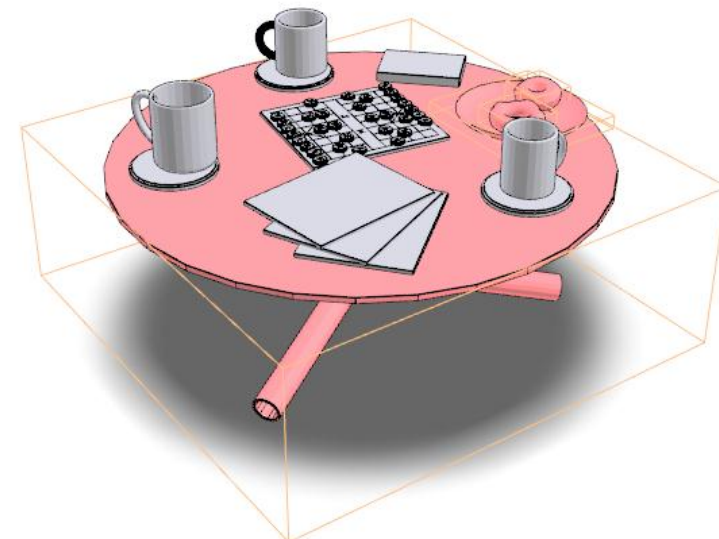
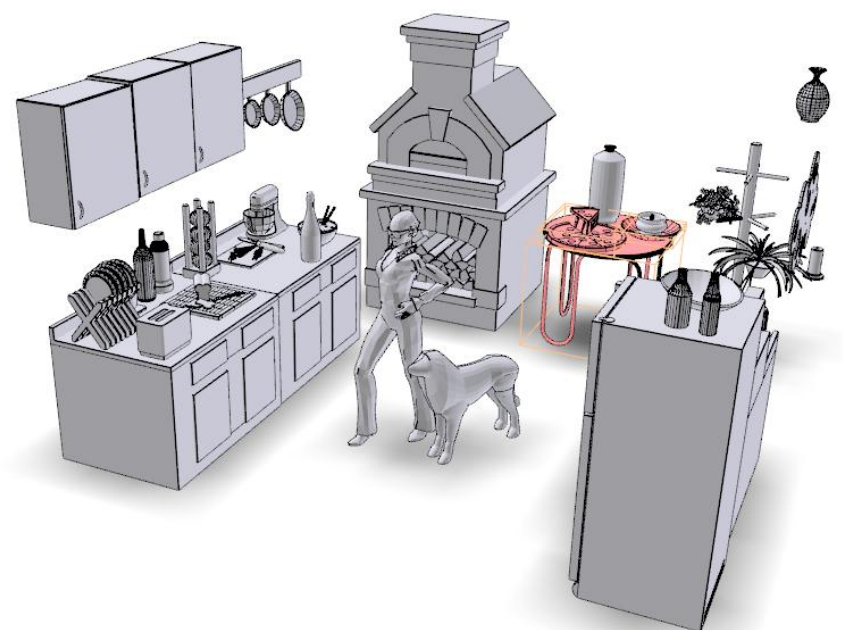
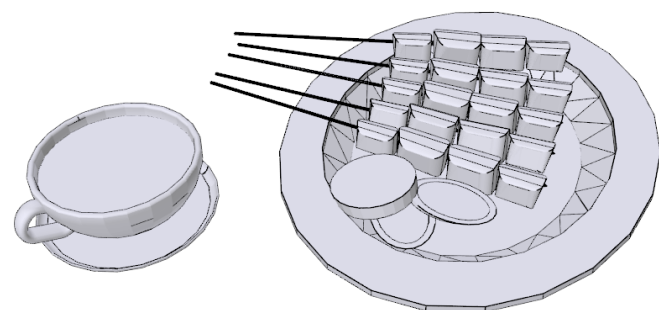
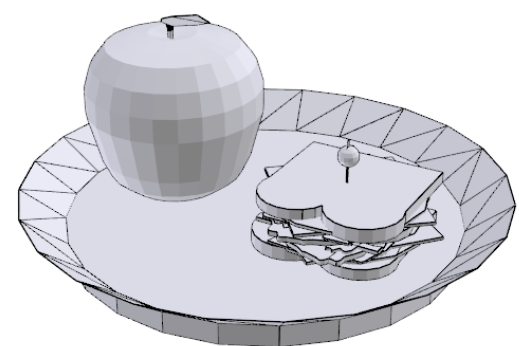
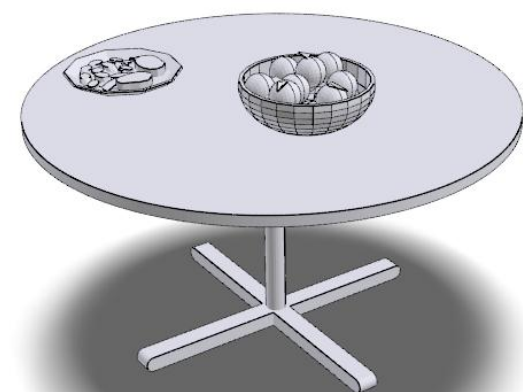
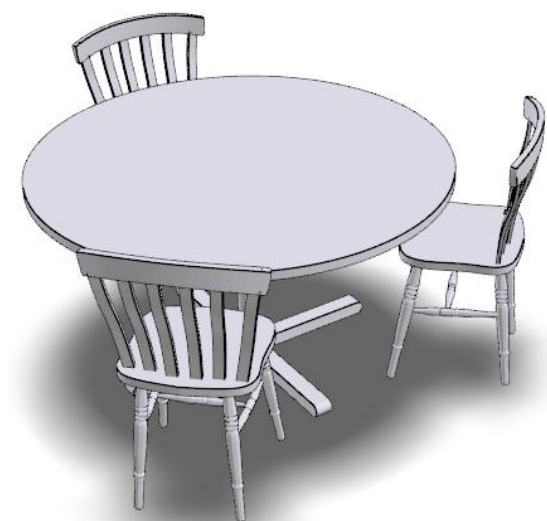
(5 clusters)

NOTE:

1. We only show the top 10 scenes which are closest to the cluster center.
2. In each scene, the representative focal points are highlighted in red

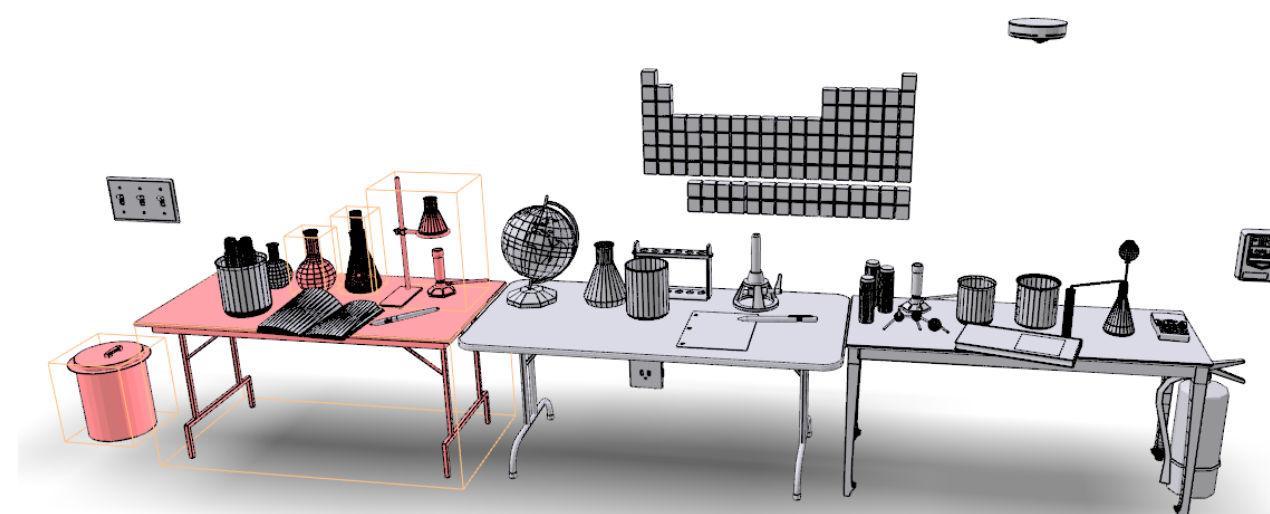
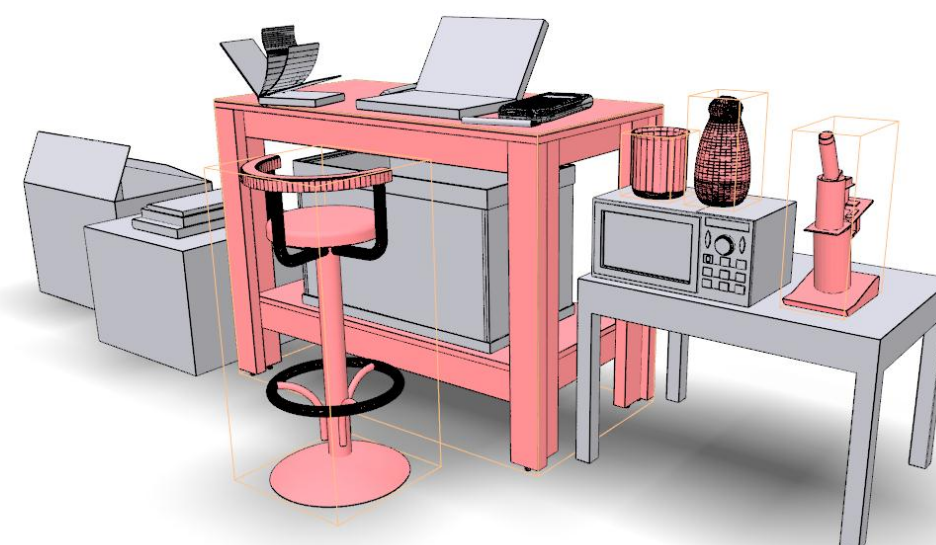
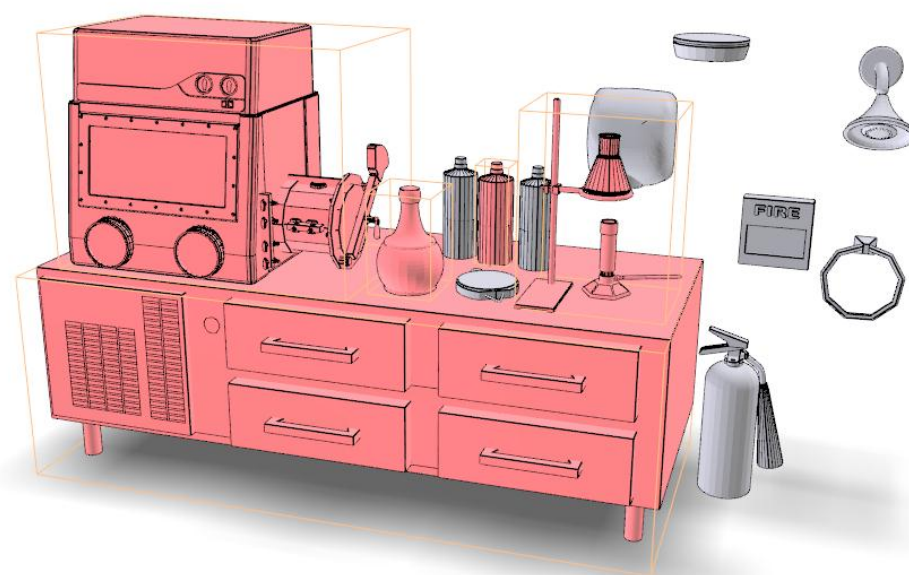
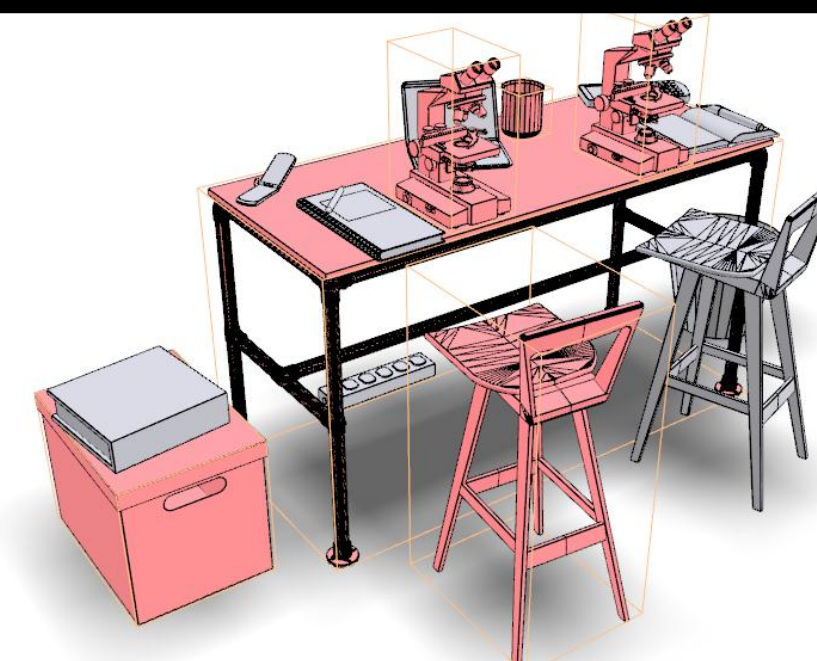
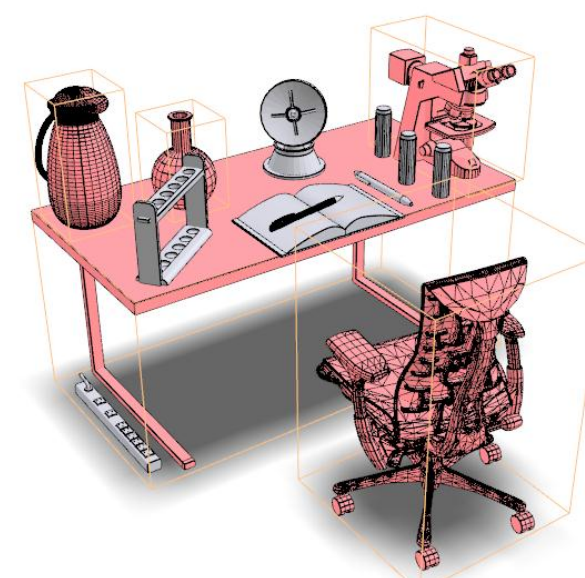
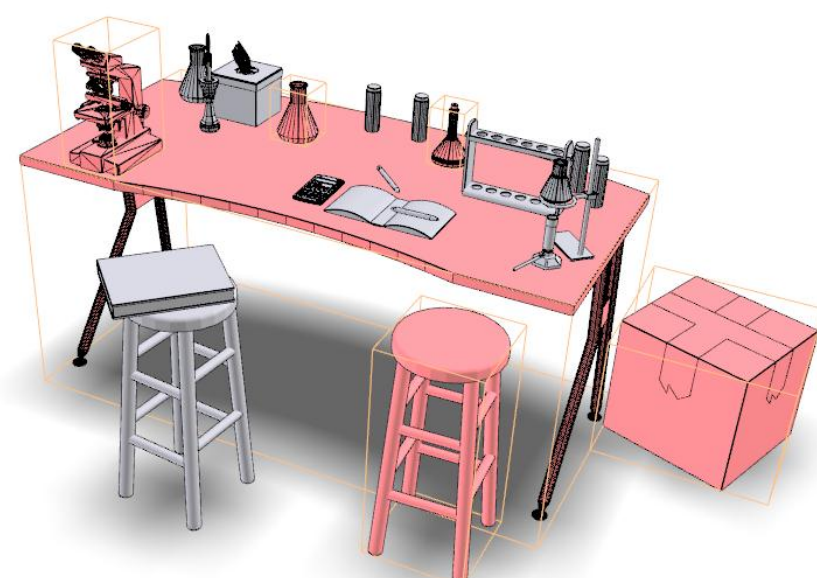
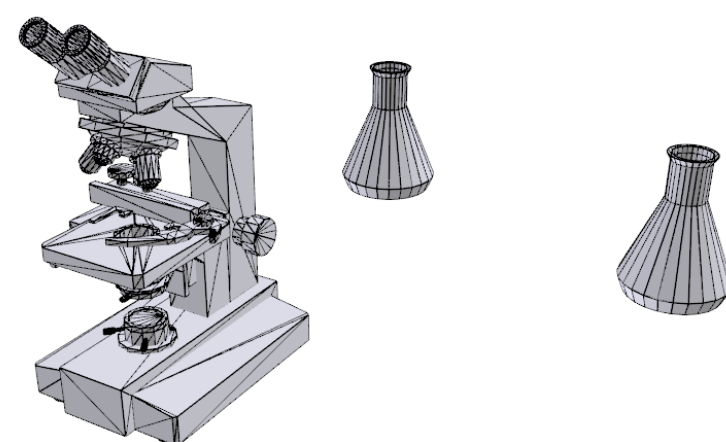
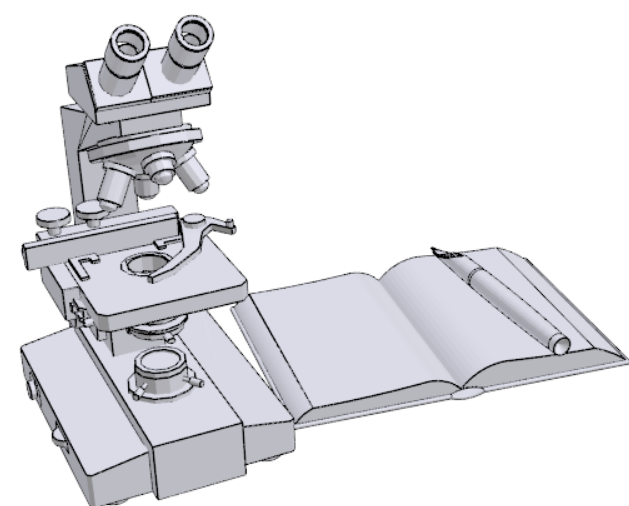
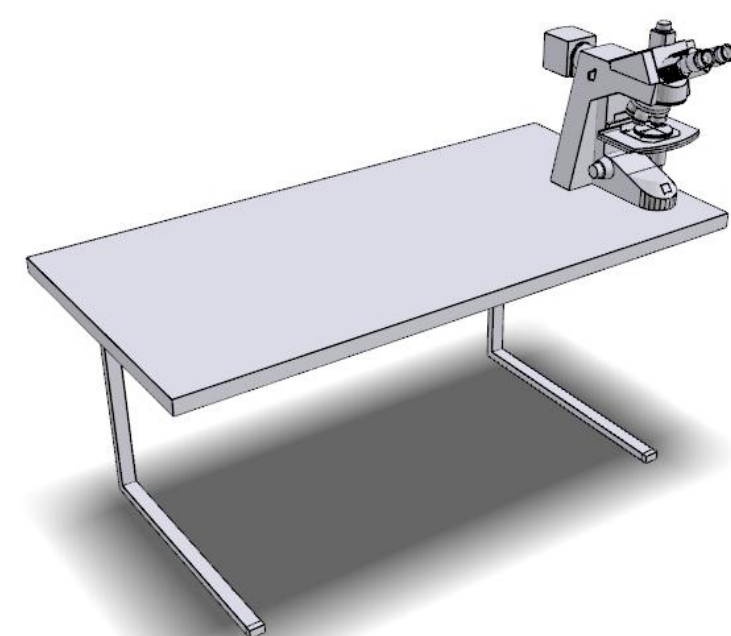
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Stanford dataset: Cluster 1/5



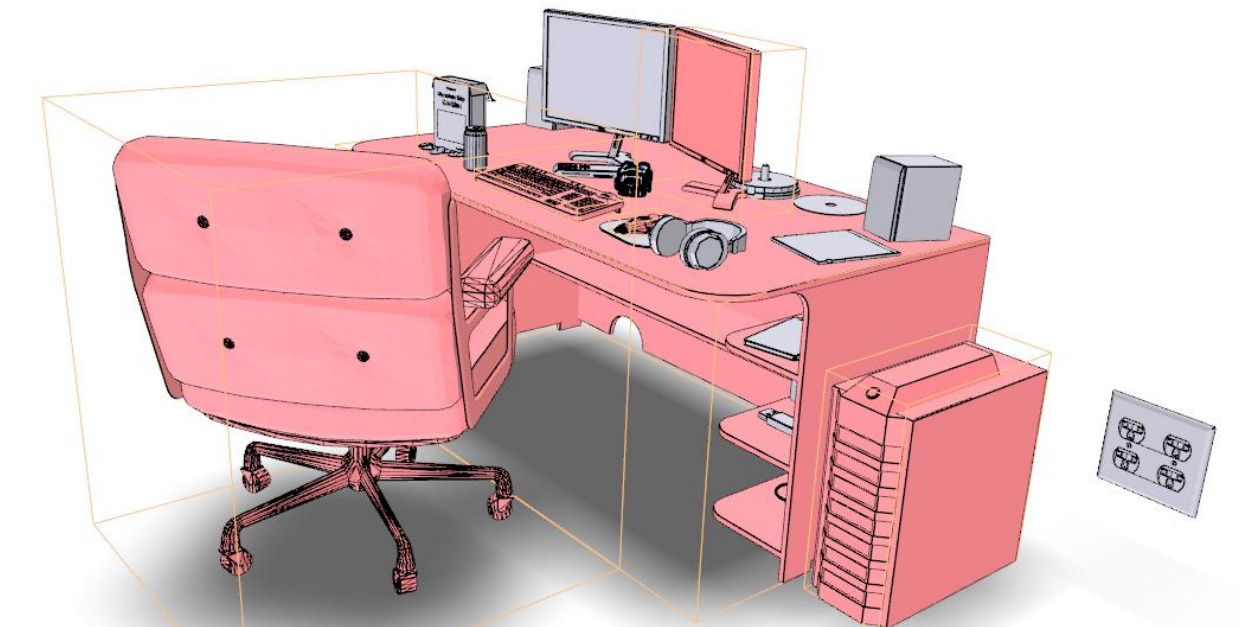
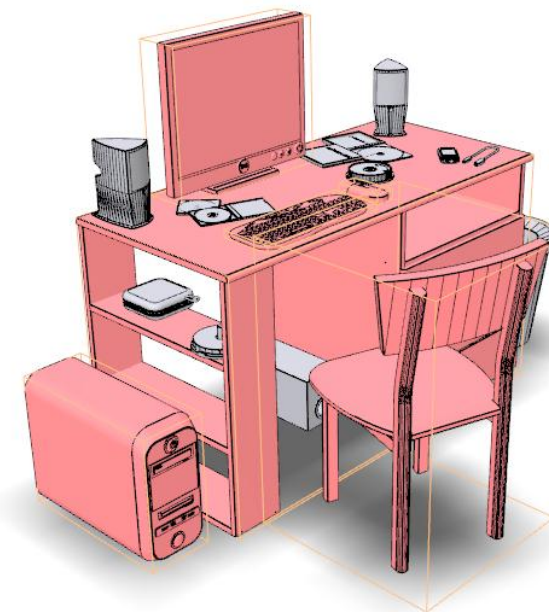
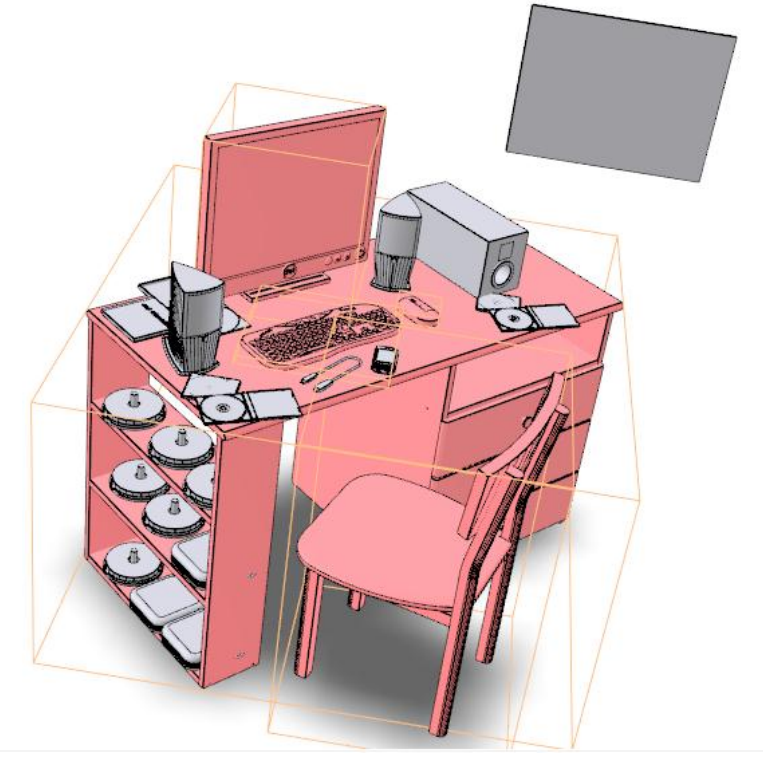
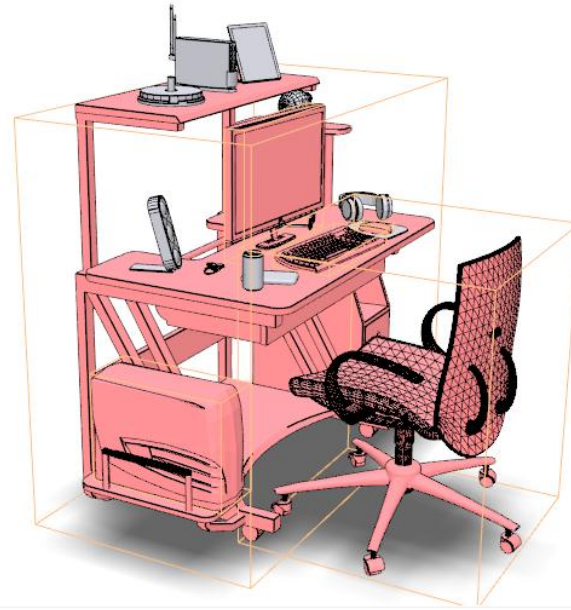
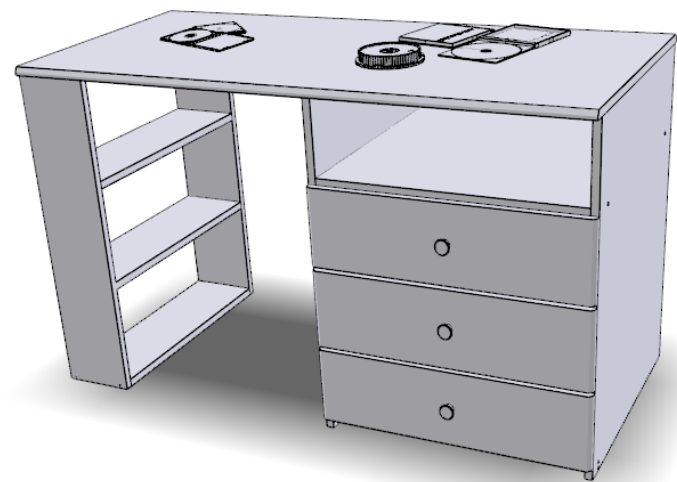
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Stanford dataset: Cluster 2/5

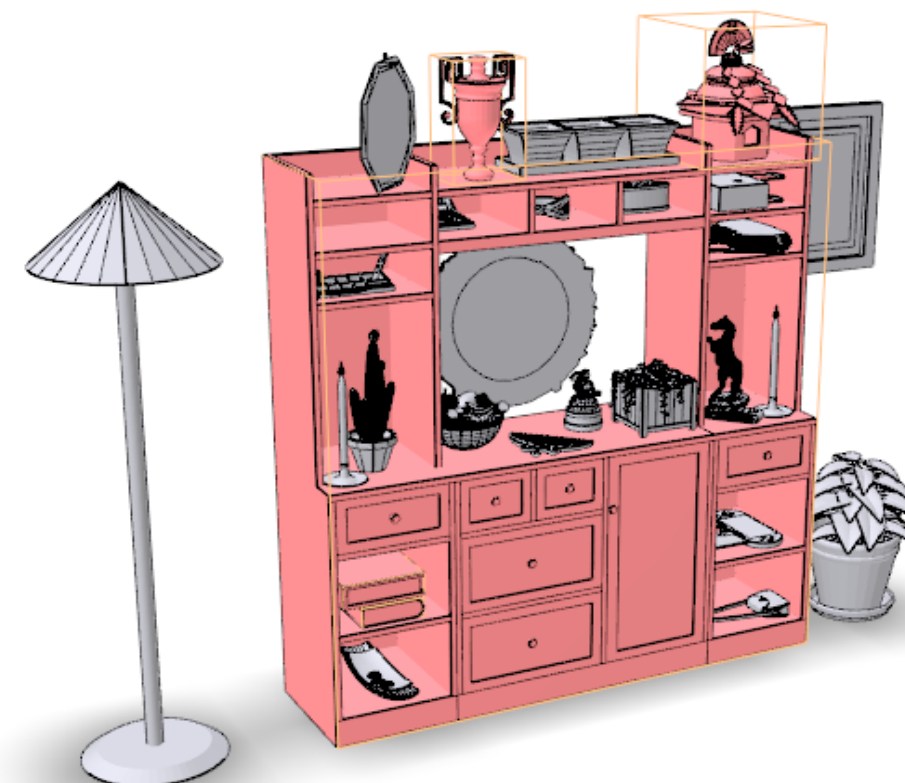
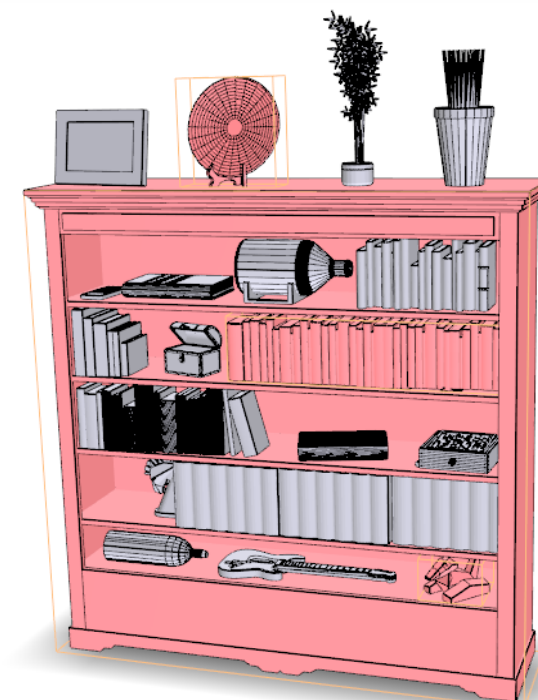
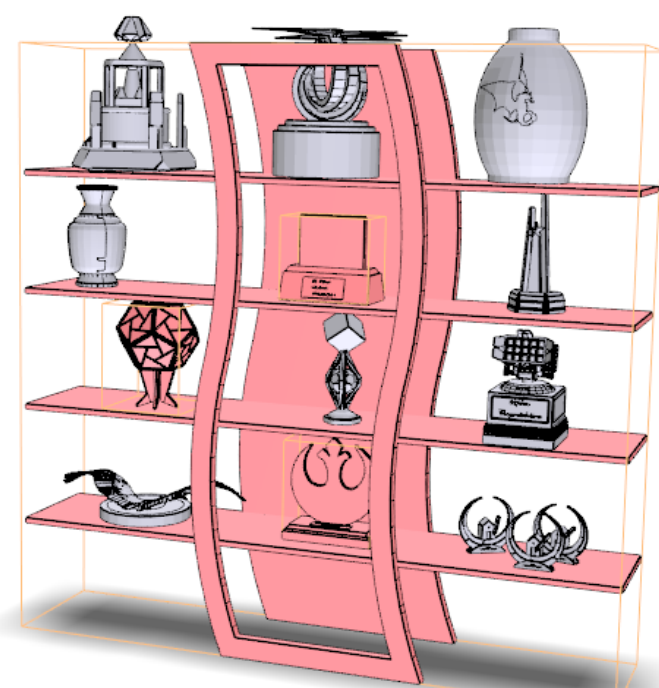
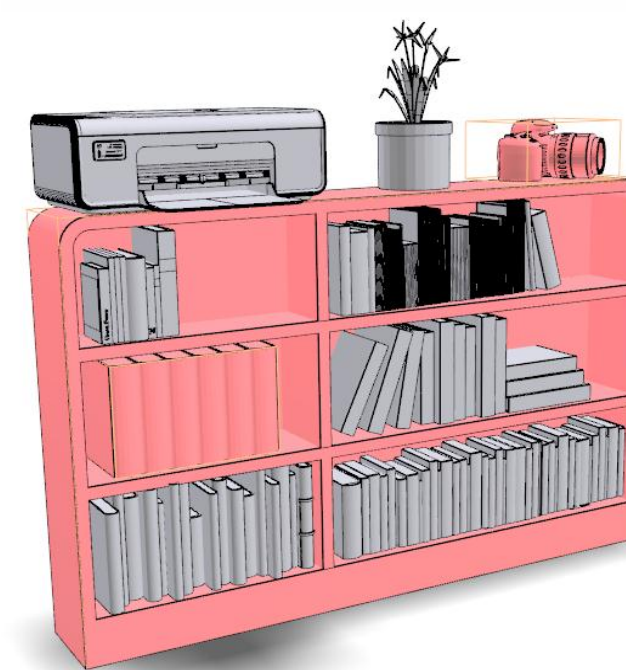
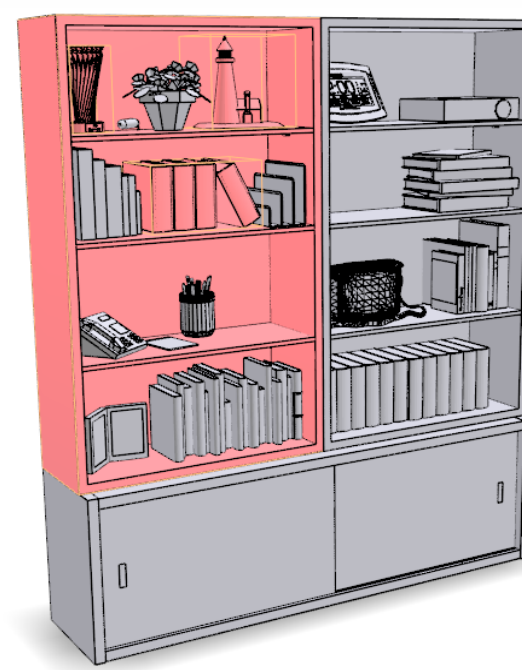
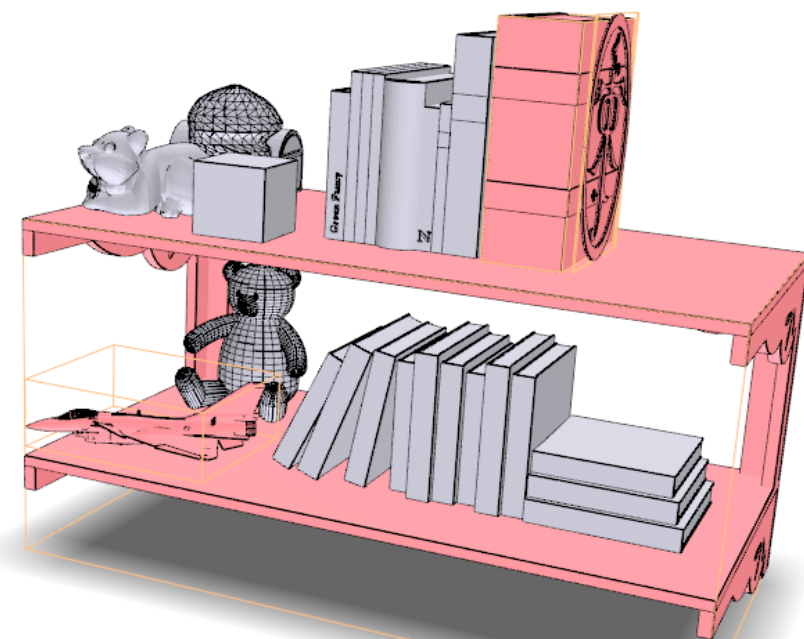
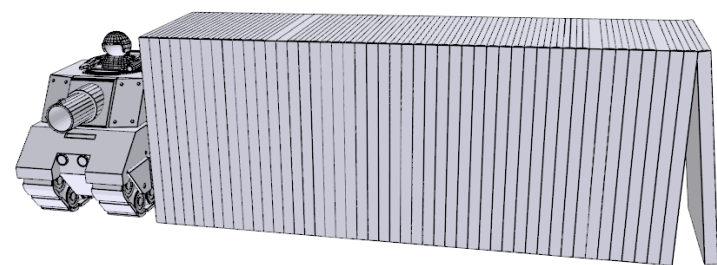
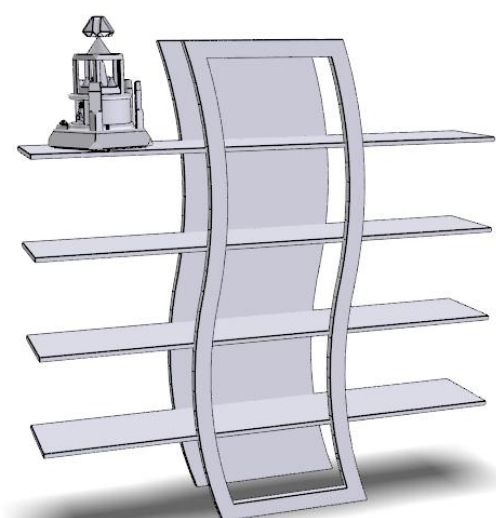
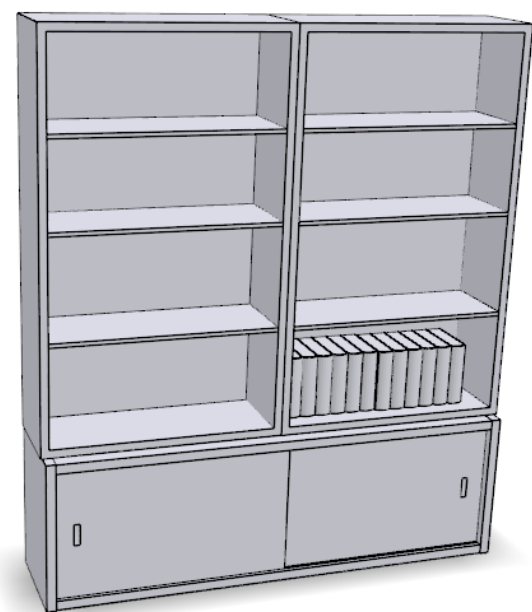


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Stanford dataset: Cluster 3/5

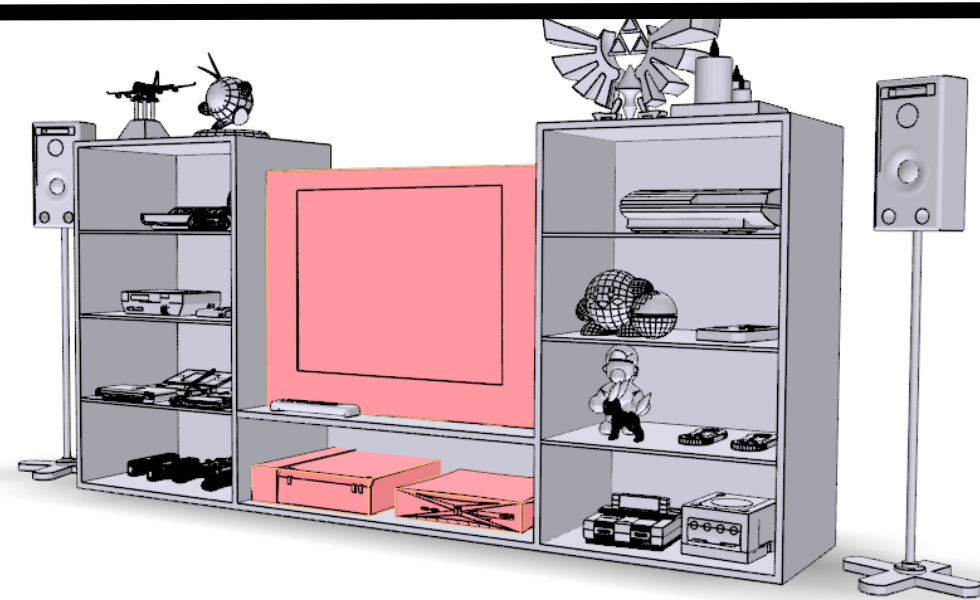
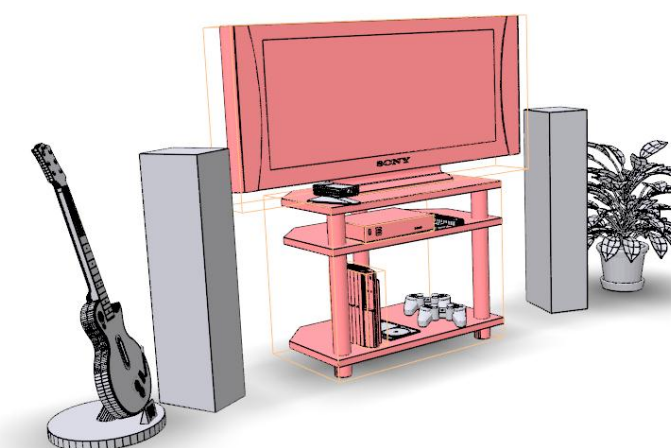
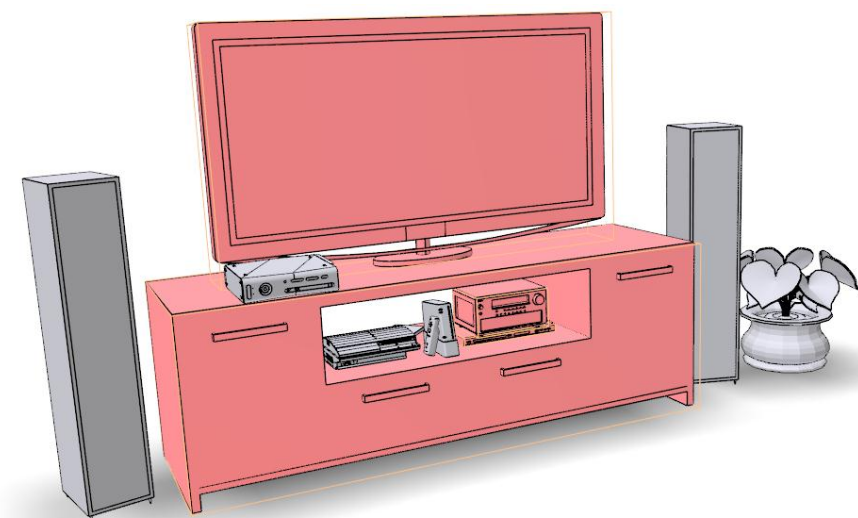
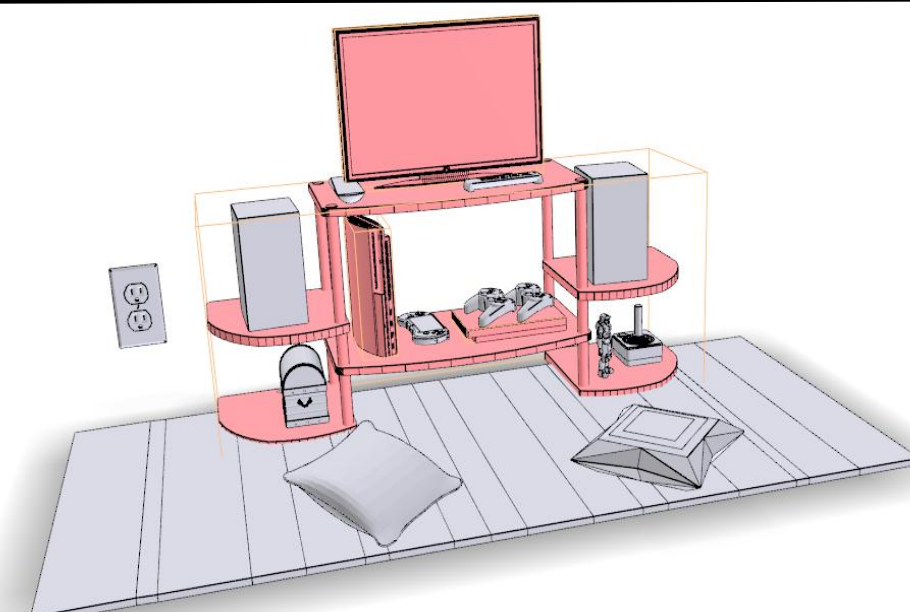
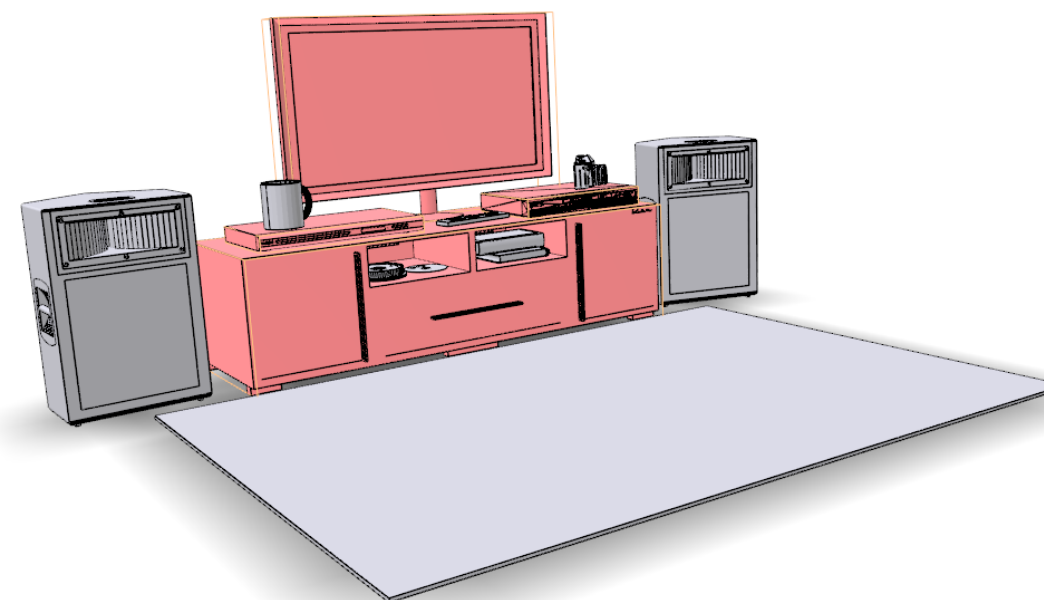
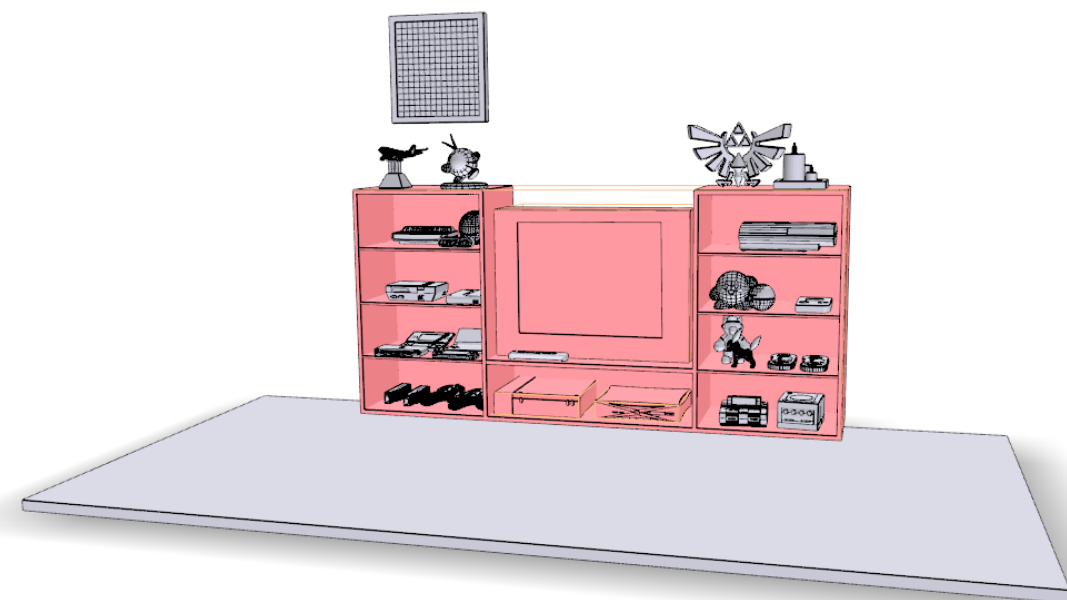
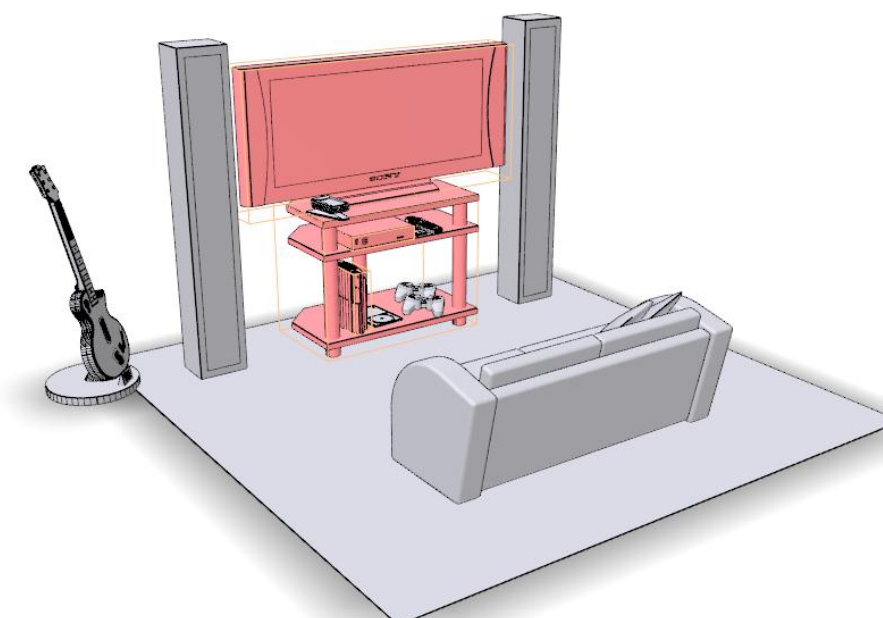
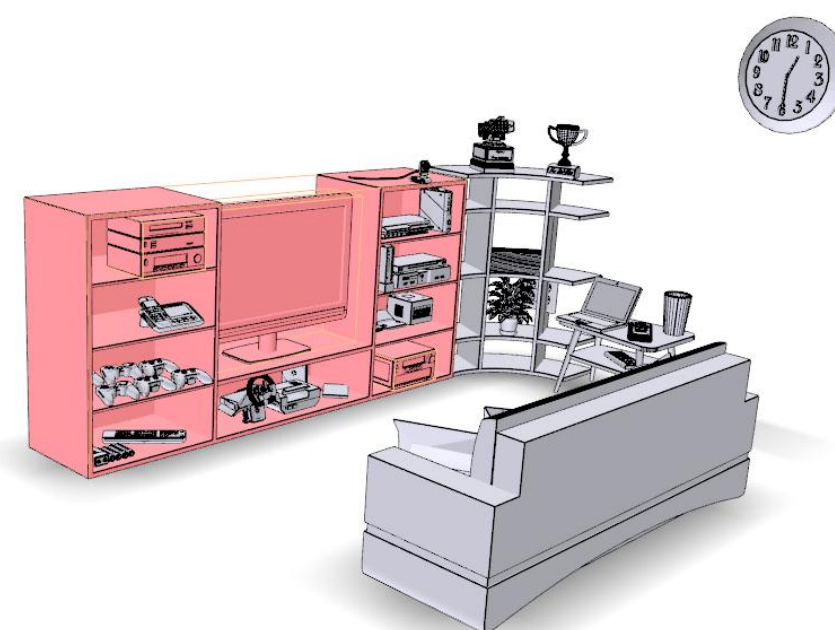
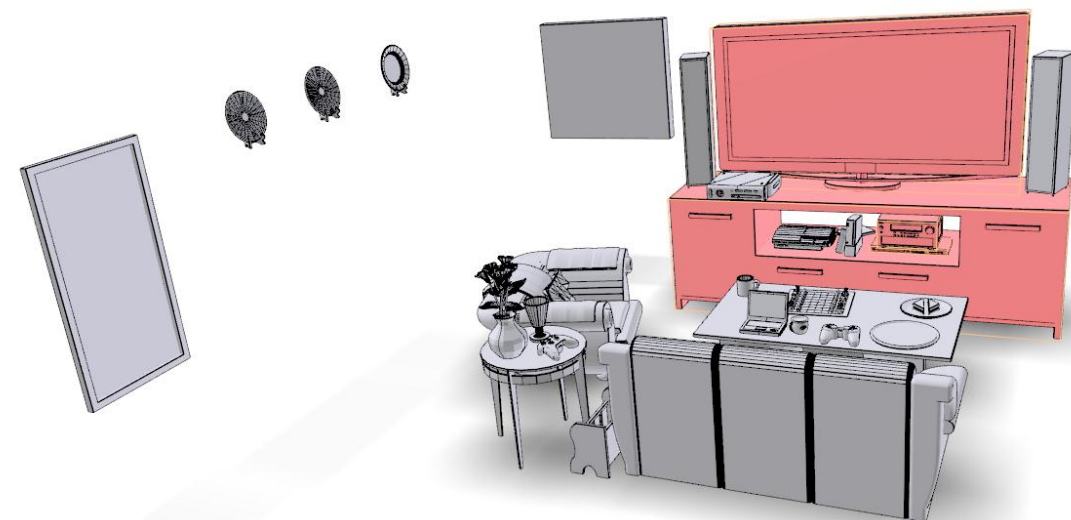
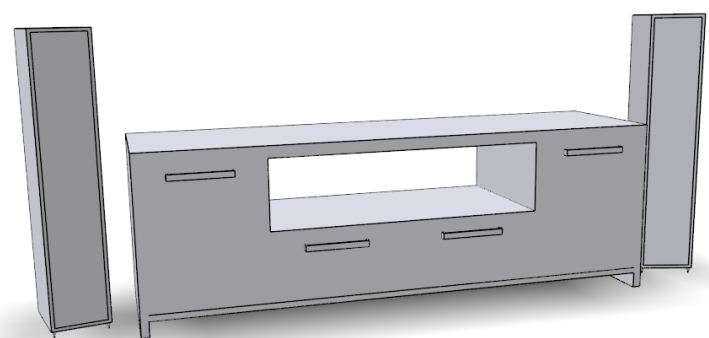
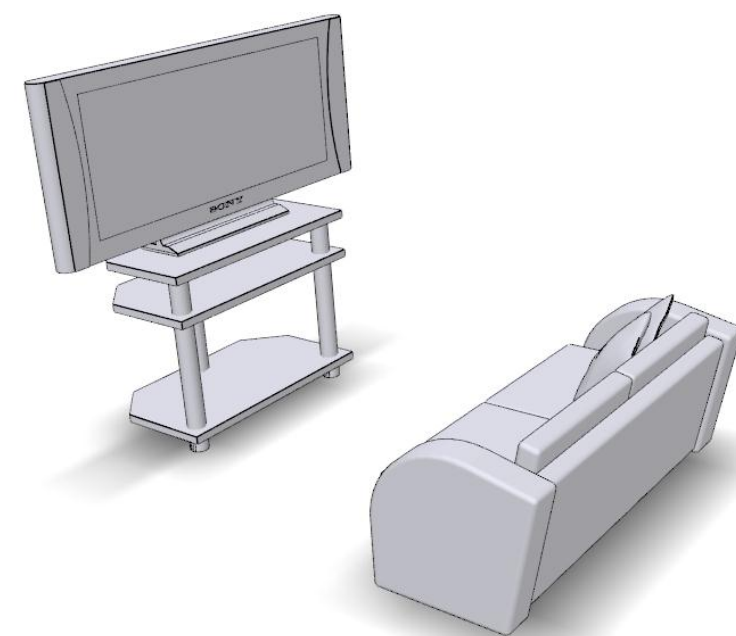
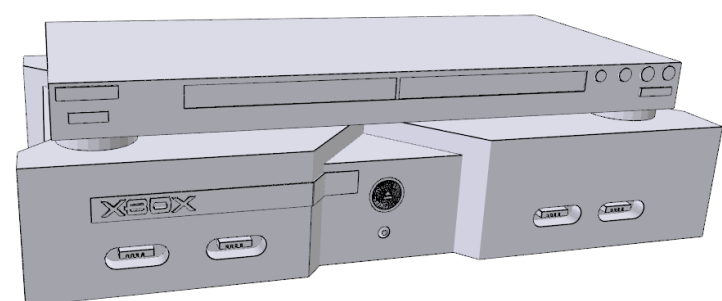
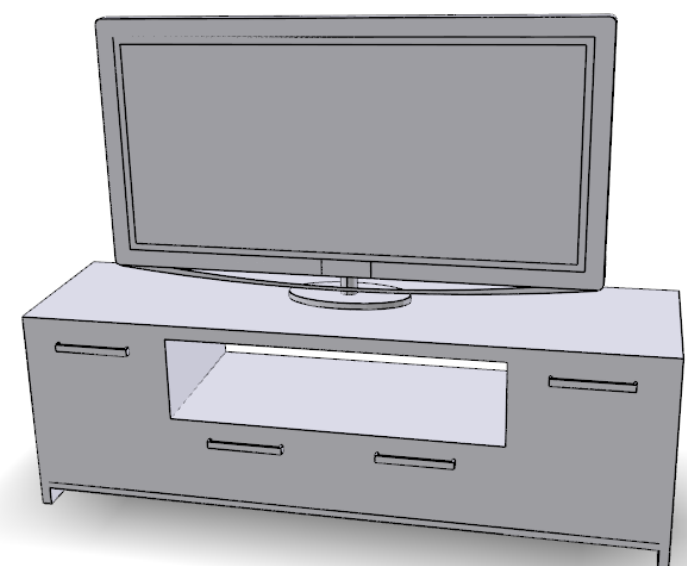


Stanford dataset: Cluster 4/5



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Stanford dataset: Cluster 5/5



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Thank you!