

# Modelação Geométrica e Generativa



UNIVERSIDADE  
DE LISBOA



FACULDADE DE ARQUITETURA  
UNIVERSIDADE DE LISBOA

Mestrado Integrado em Arquitectura  
Ano Lectivo 2022-2023 1º Semestre  
Docente - Nuno Alão 4º Ano

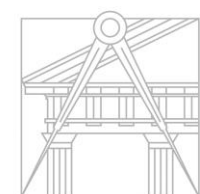
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NAÍSA ELIANA BARRETO PINTO



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**MGeG**

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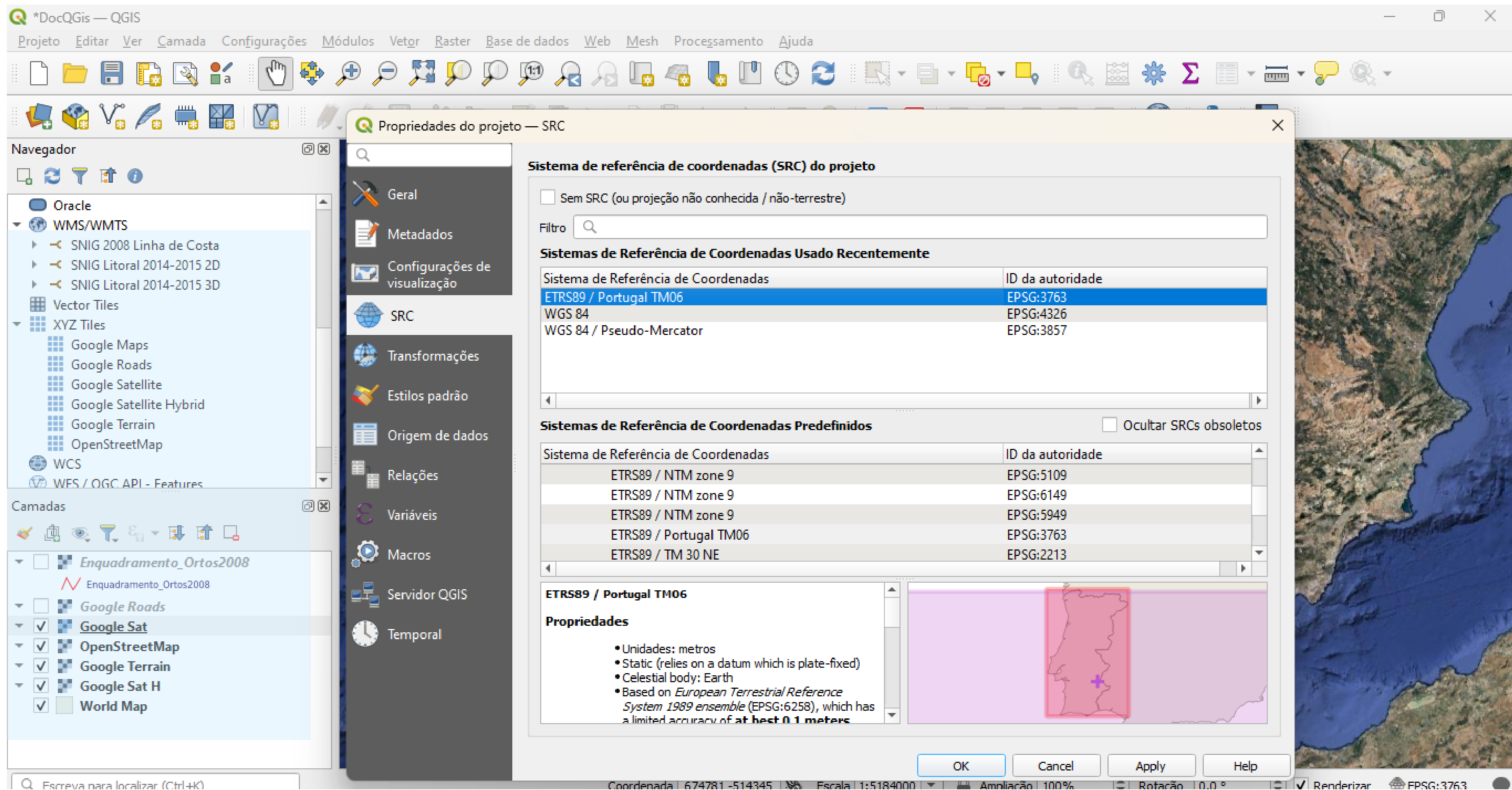
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# QGIS

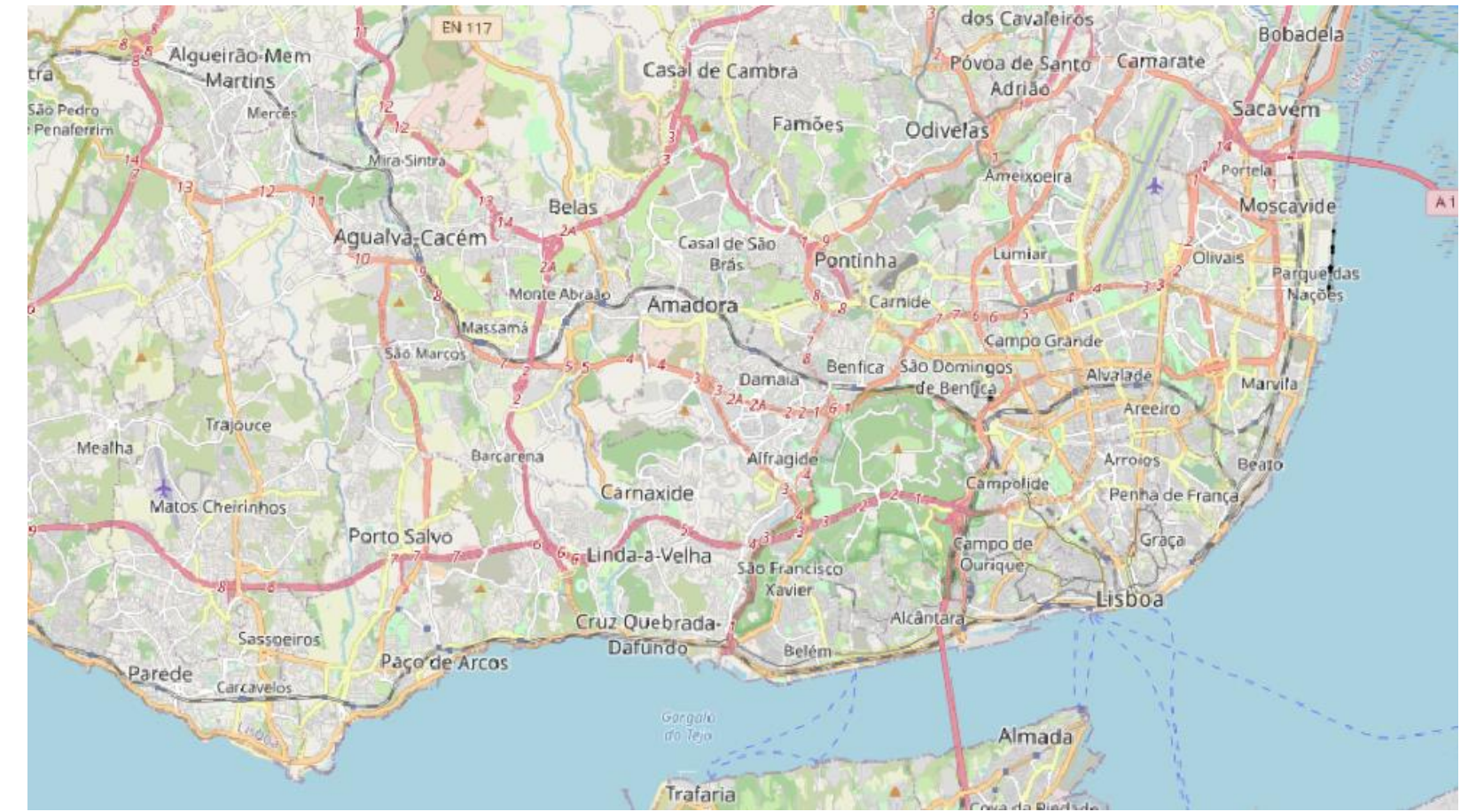
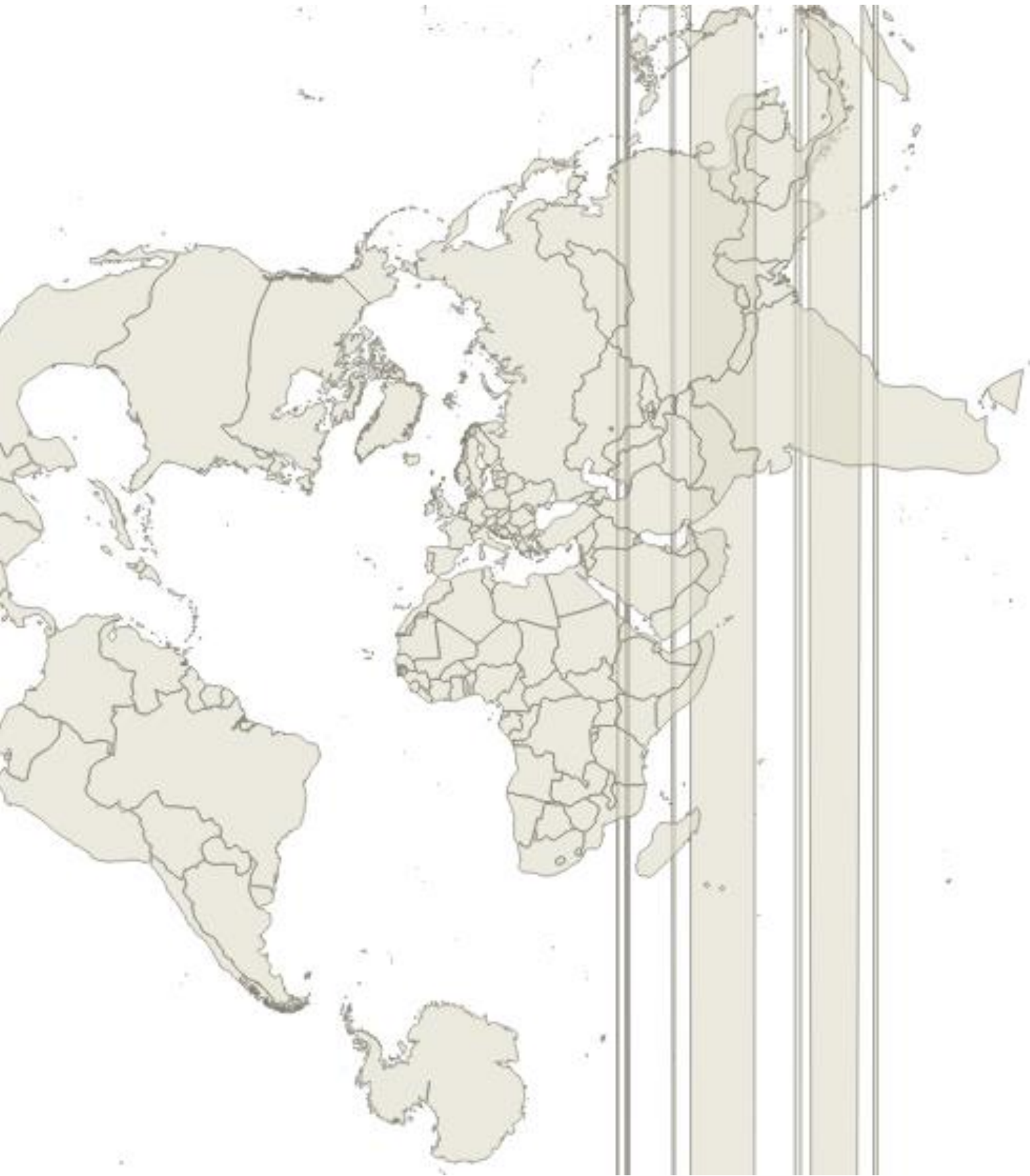
Exerc. 1 – QGIS





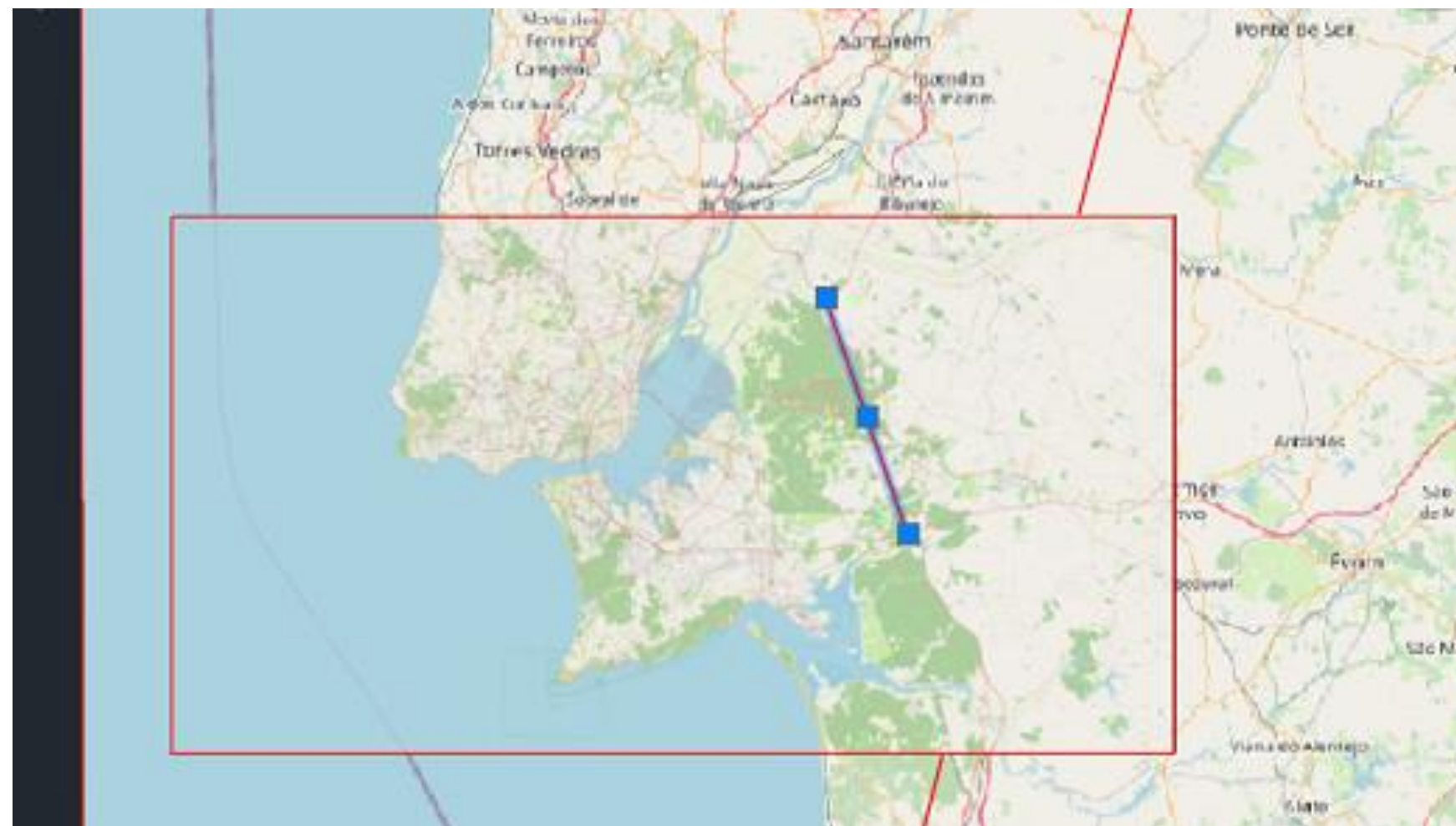
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Exerc. 1.1 – QGIS - Mapa





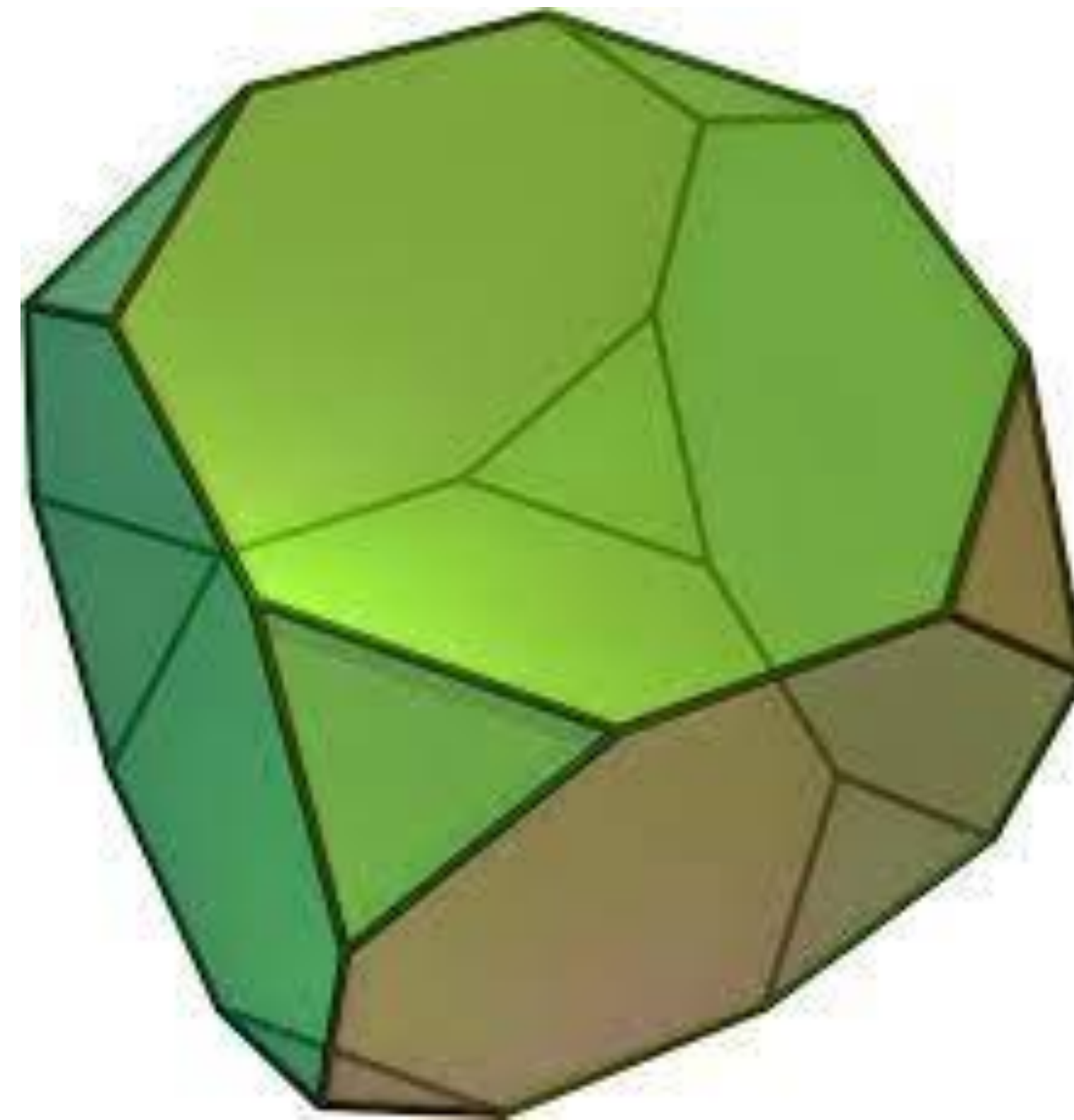
Exerc. 1.1.1 – Exportar o Mapa para Autocad





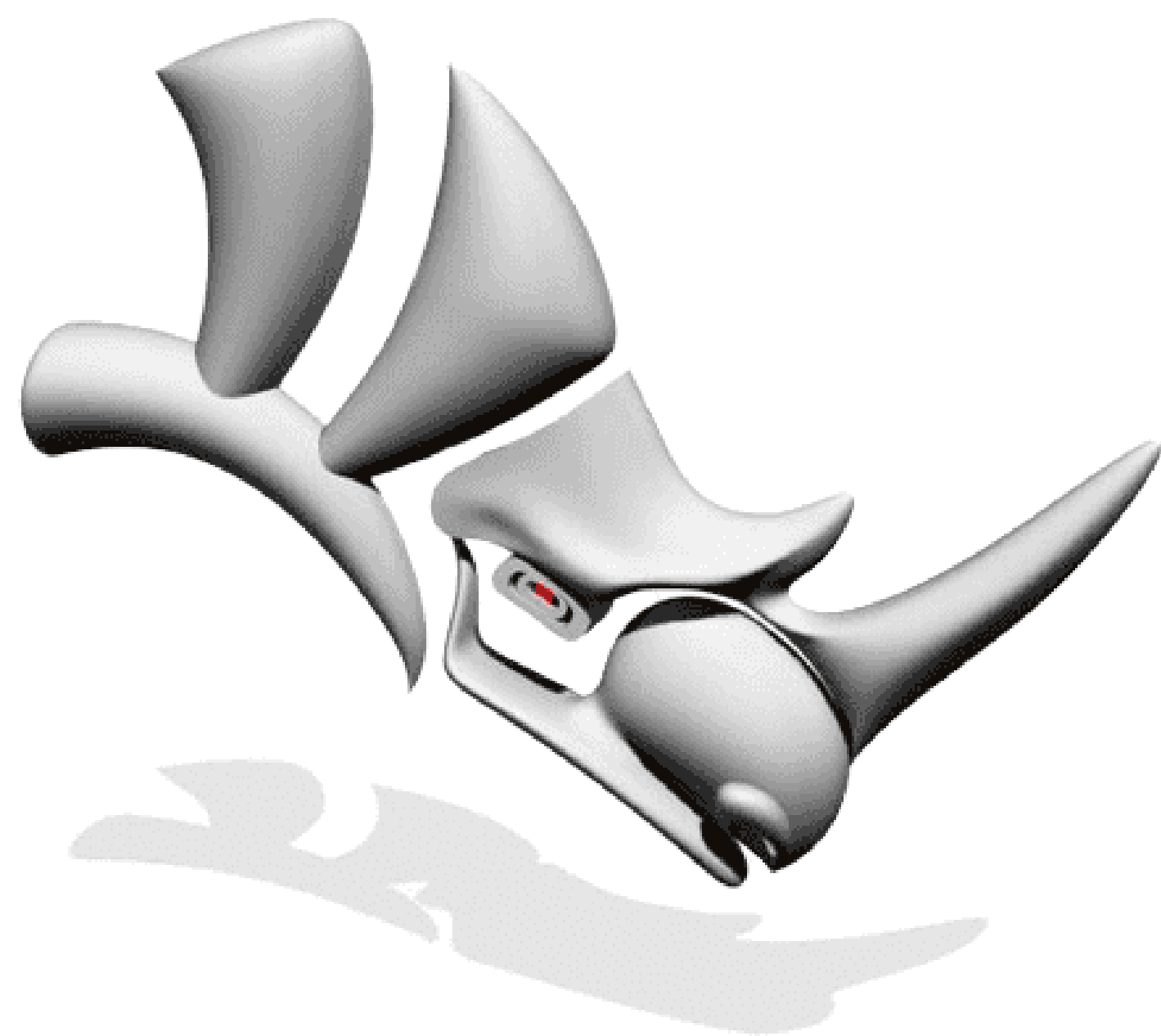
Exerc. 1.1.1 - Export do Mapa para Autocad





Exerc. 2 – Poliedros e outros Sólidos

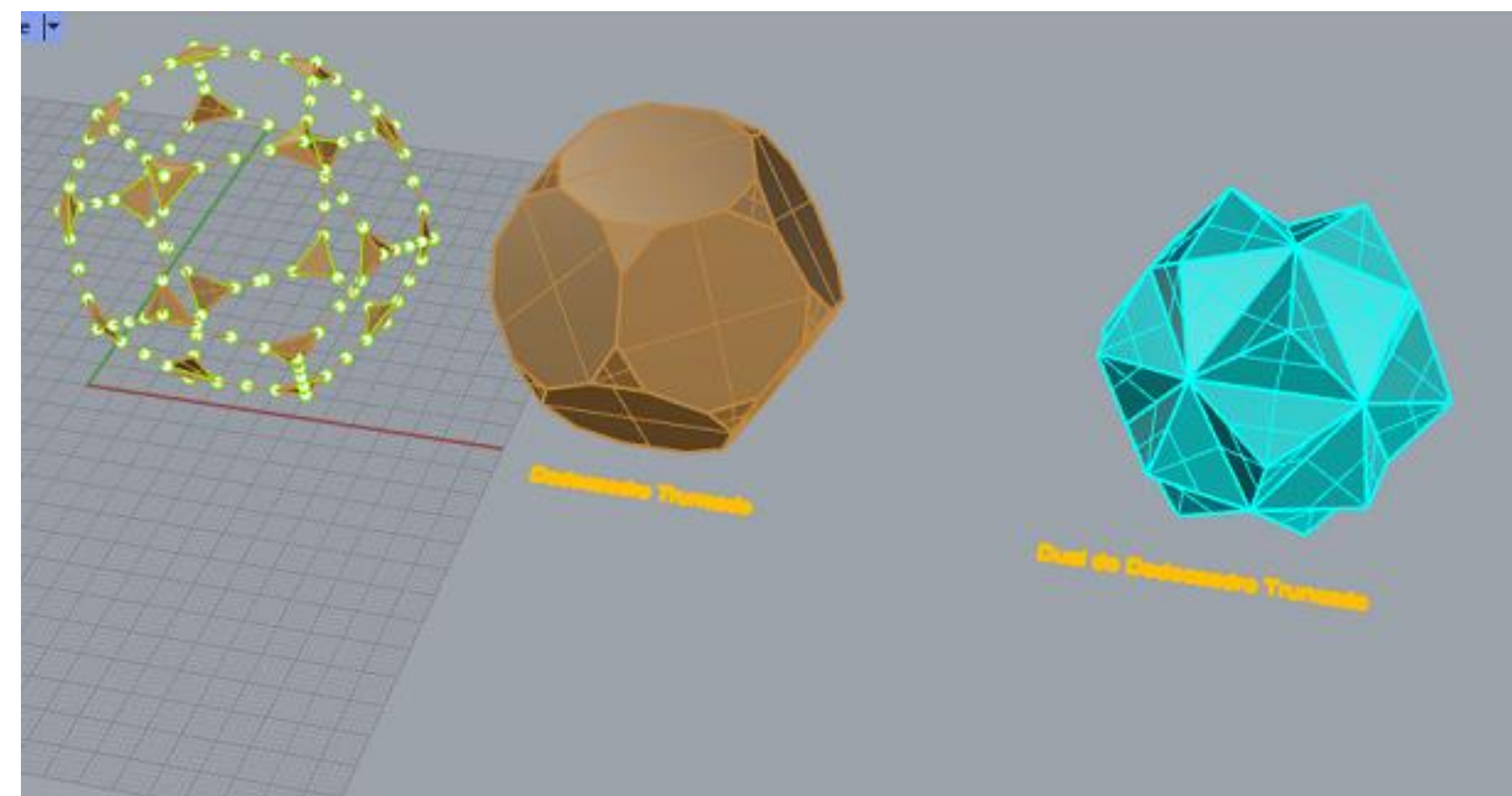
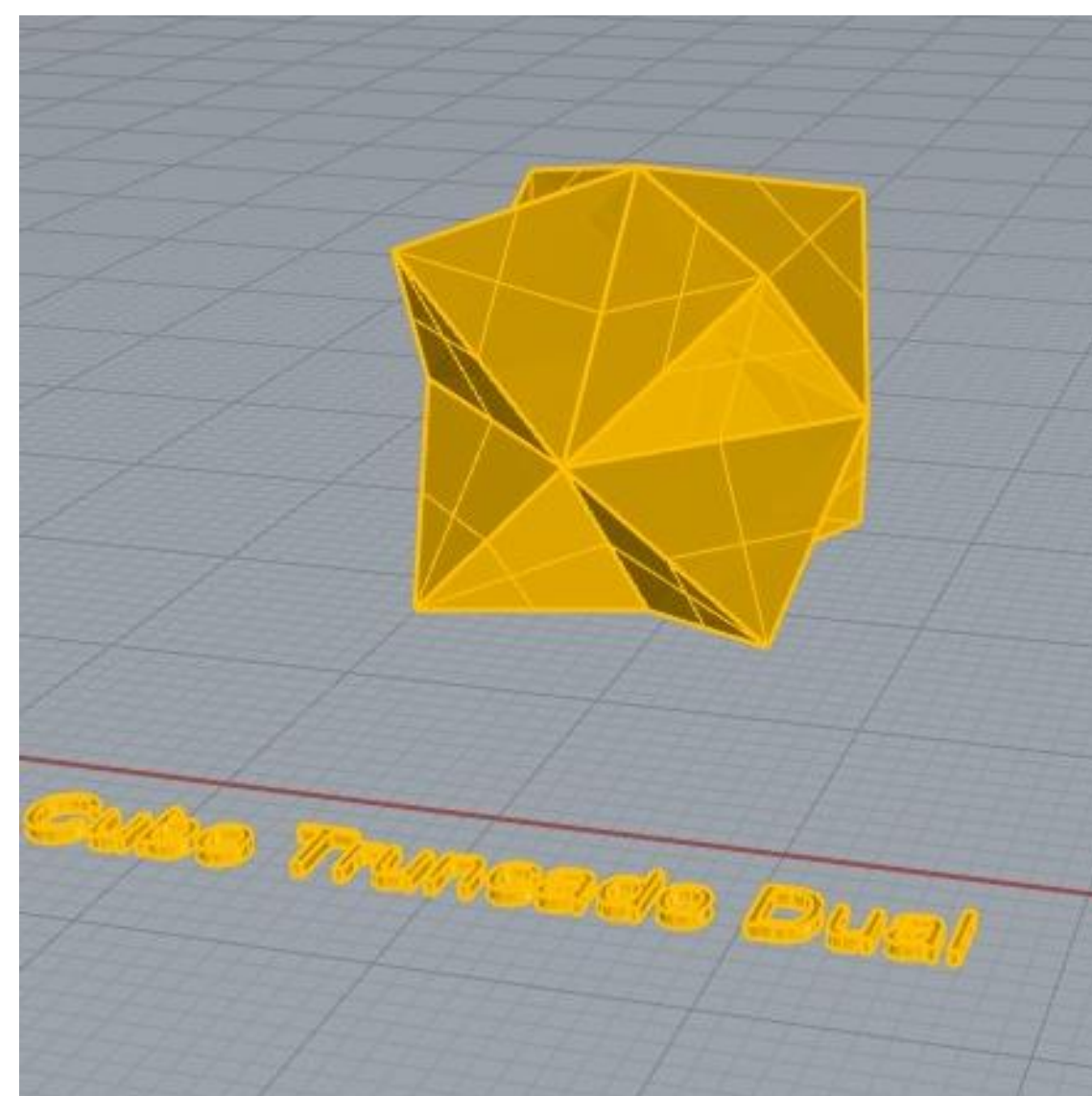
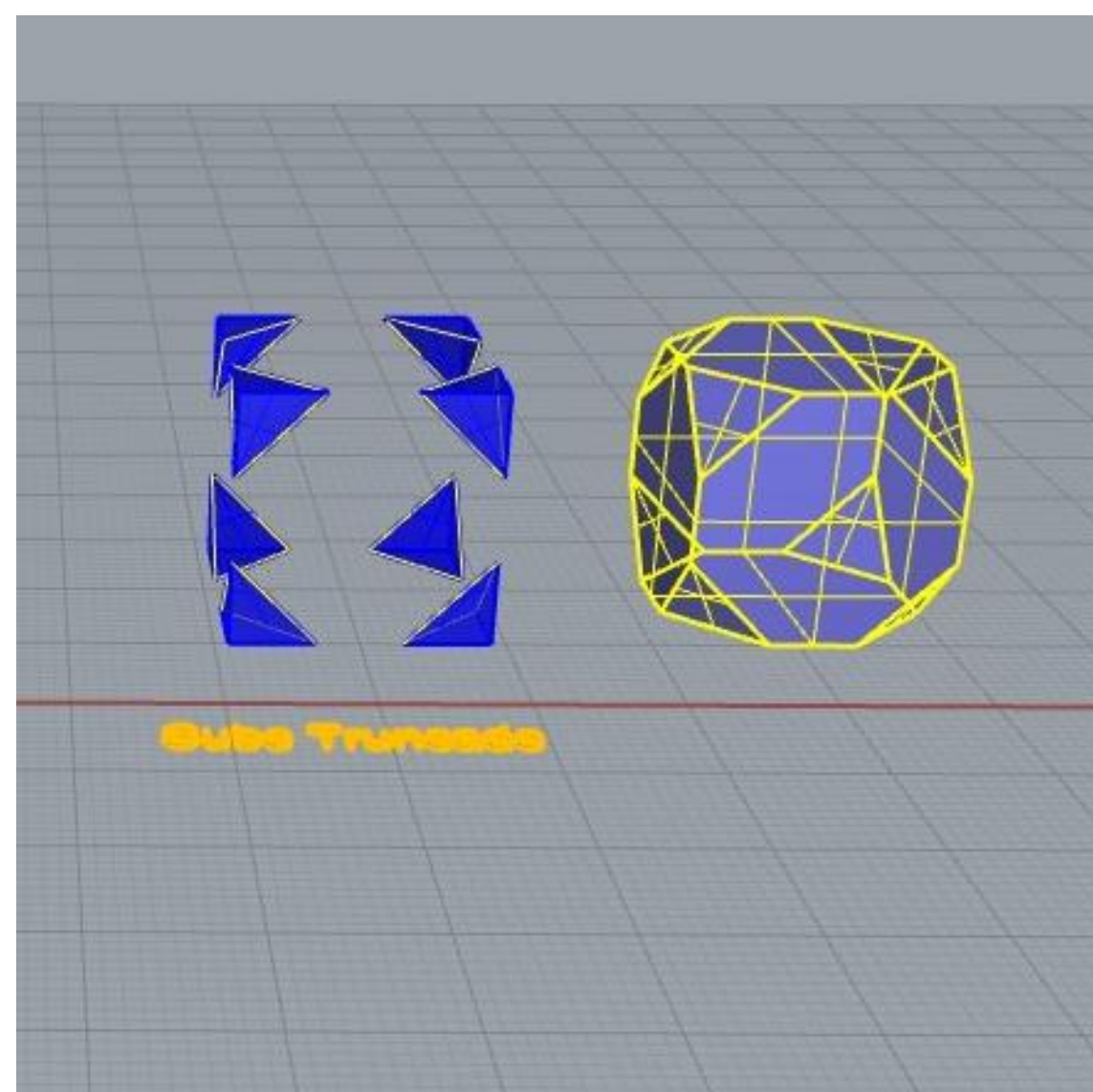




**Rhinoceros<sup>®</sup>**

Exerc. 2.1 – Poliedros - Rhino





Exerc. 2.1 – Poliedros - Rhino





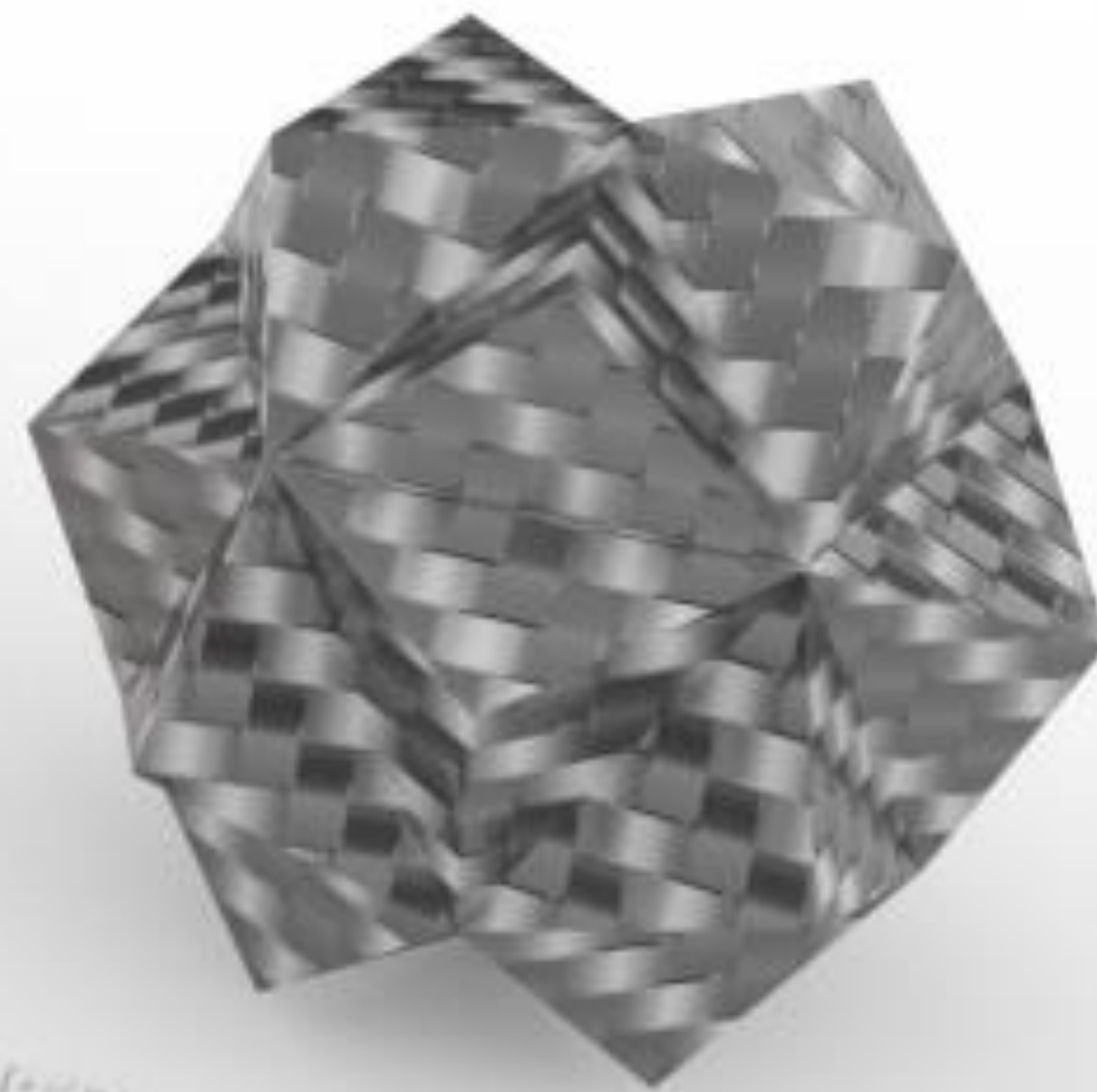
*Cubo Truncado*



*Cubo Truncado Dual*

Exerc. 2.1.1 – Cubo Truncado e Dual





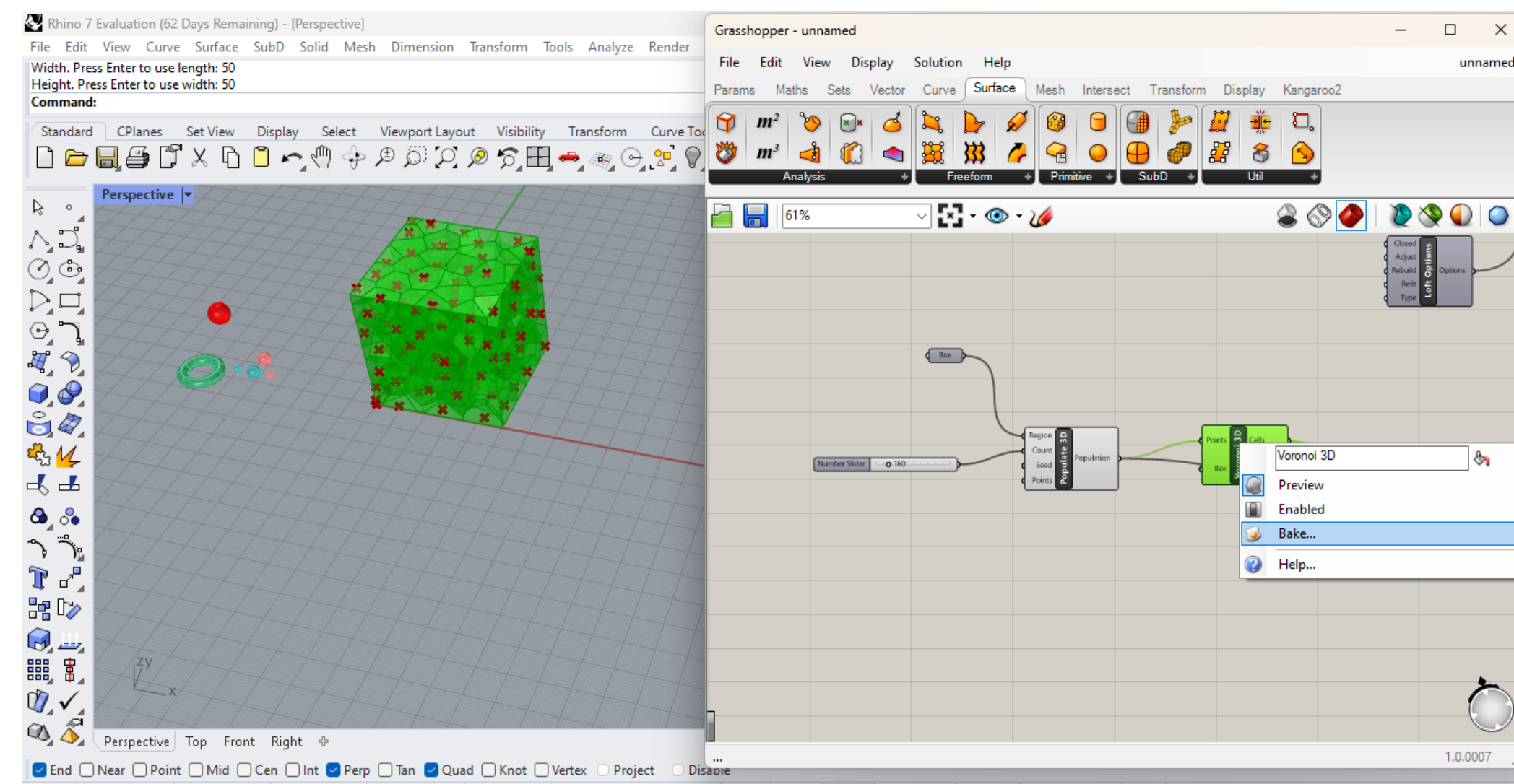
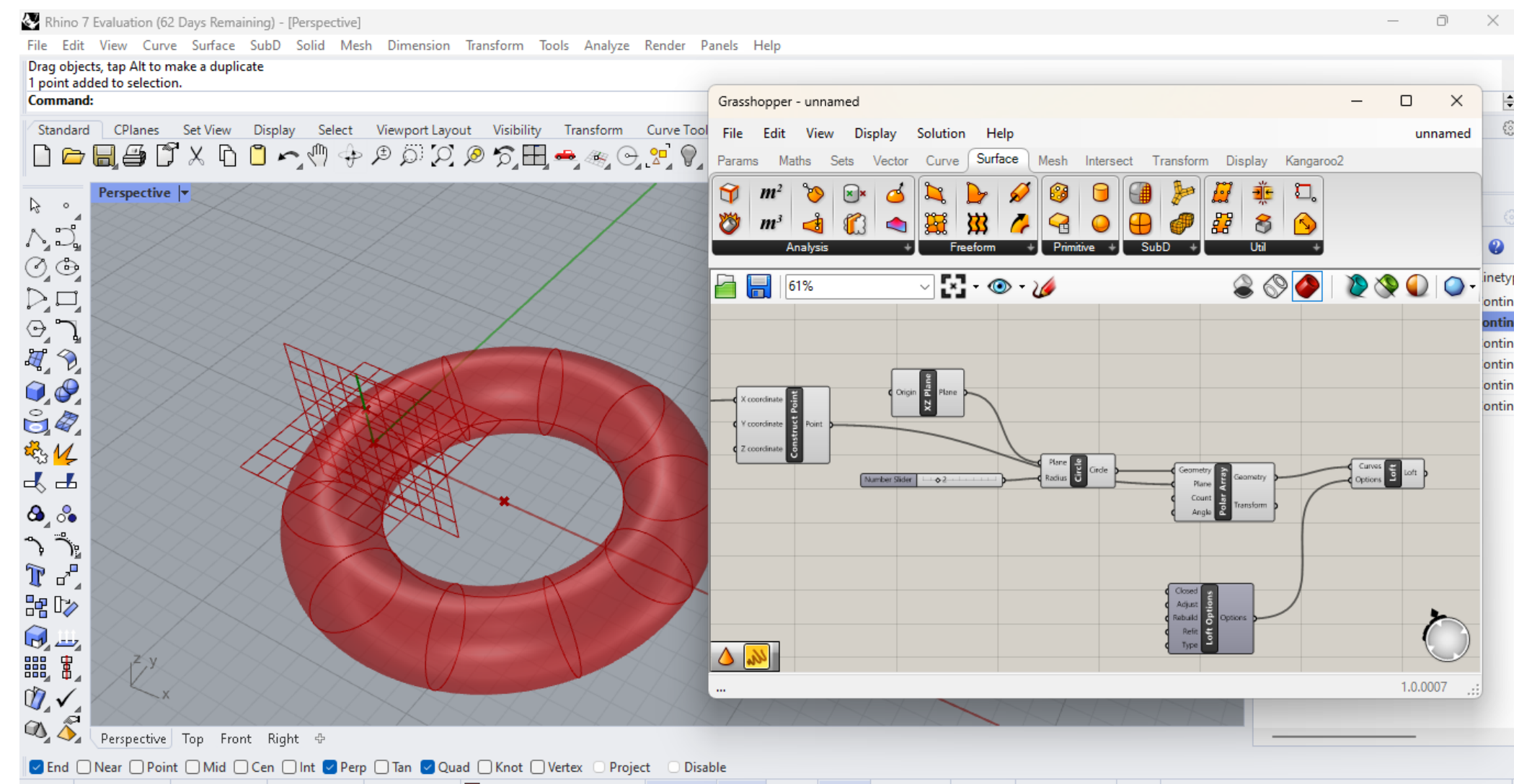
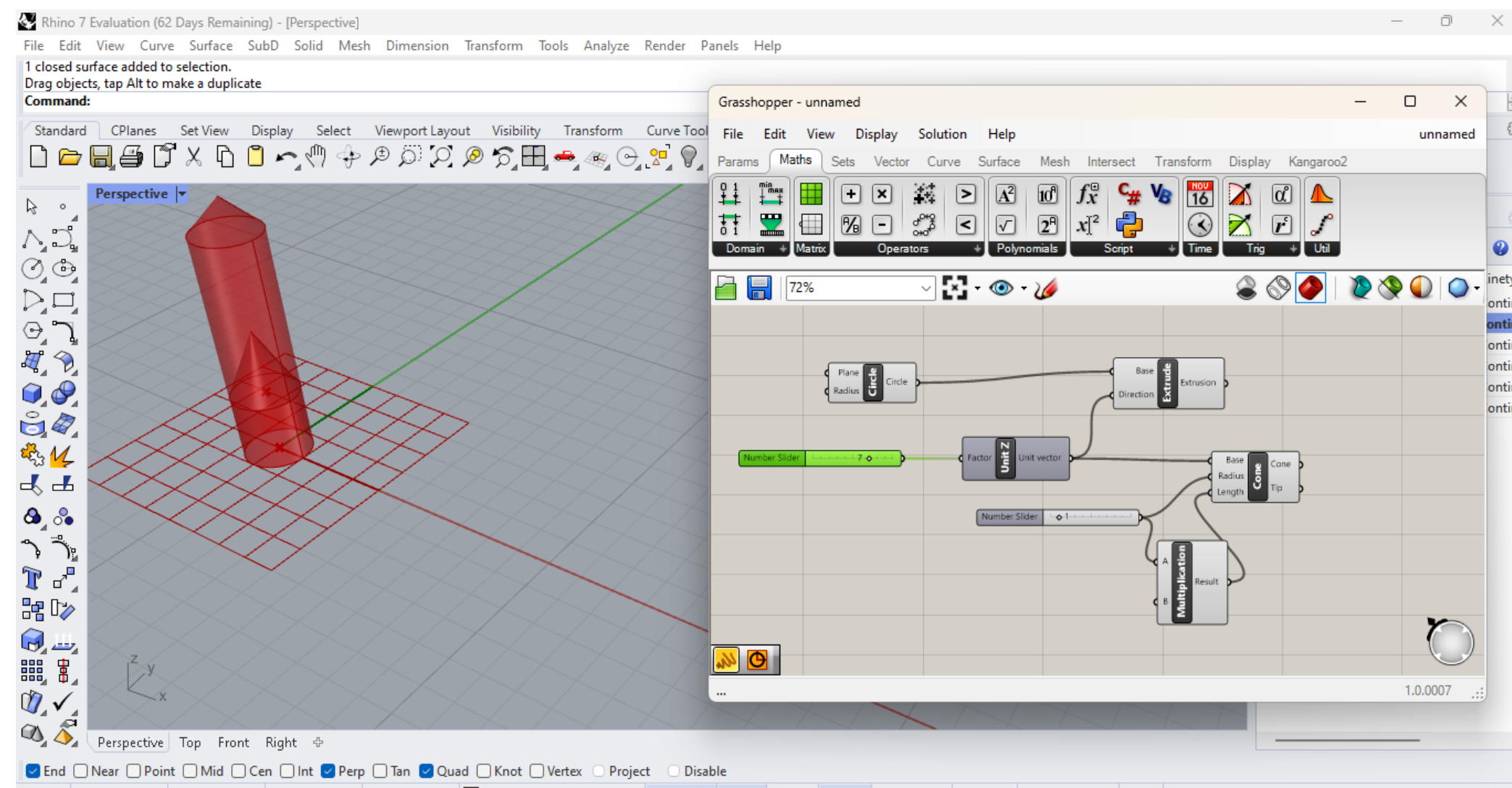
Exerc. 2.1.2 – Dodecaedro Truncado e Dual





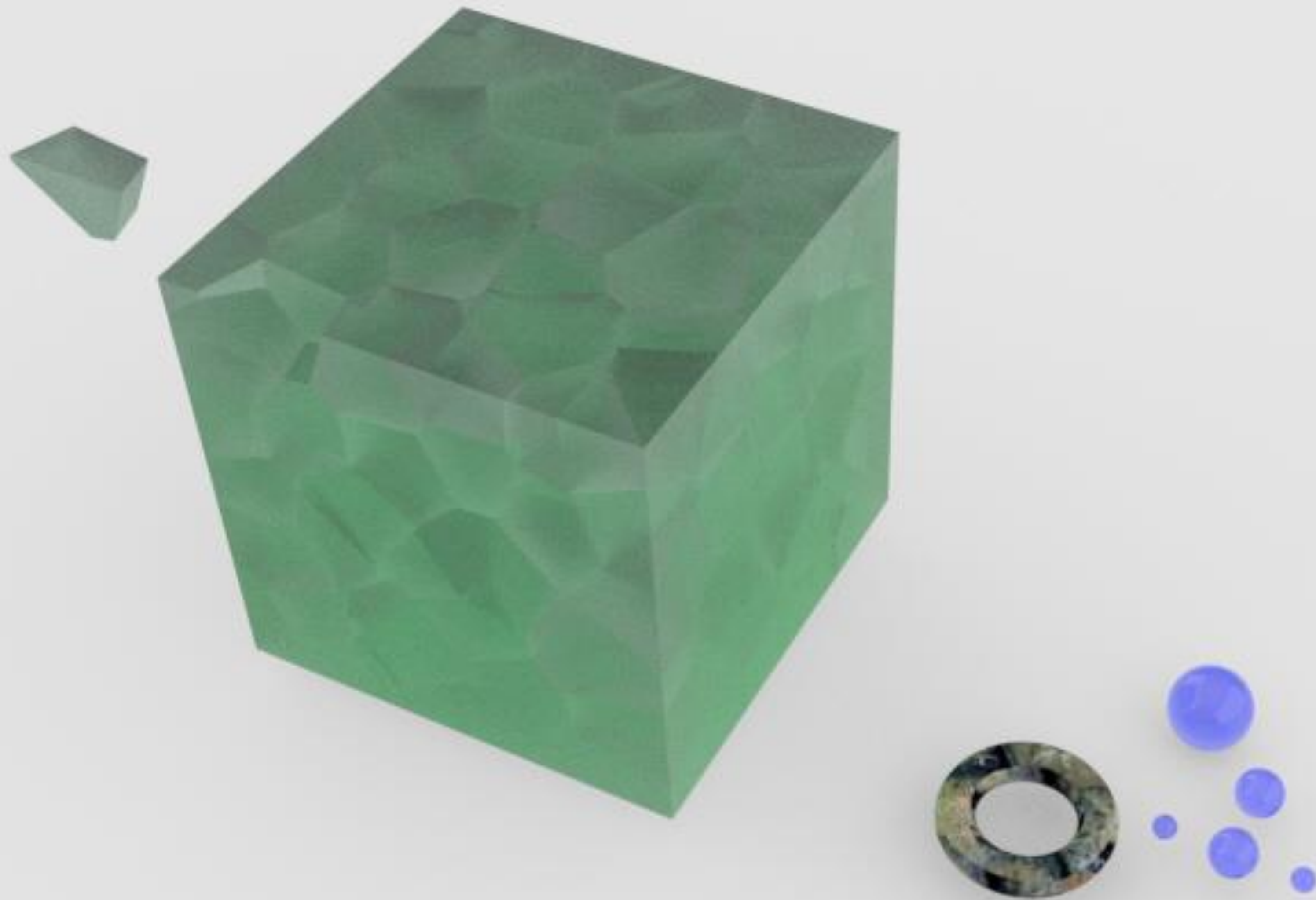
## Exerc. 2.2 – Sólidos - Grasshopper





# Exerc. 2.2 – Sólidos no Grasshopper





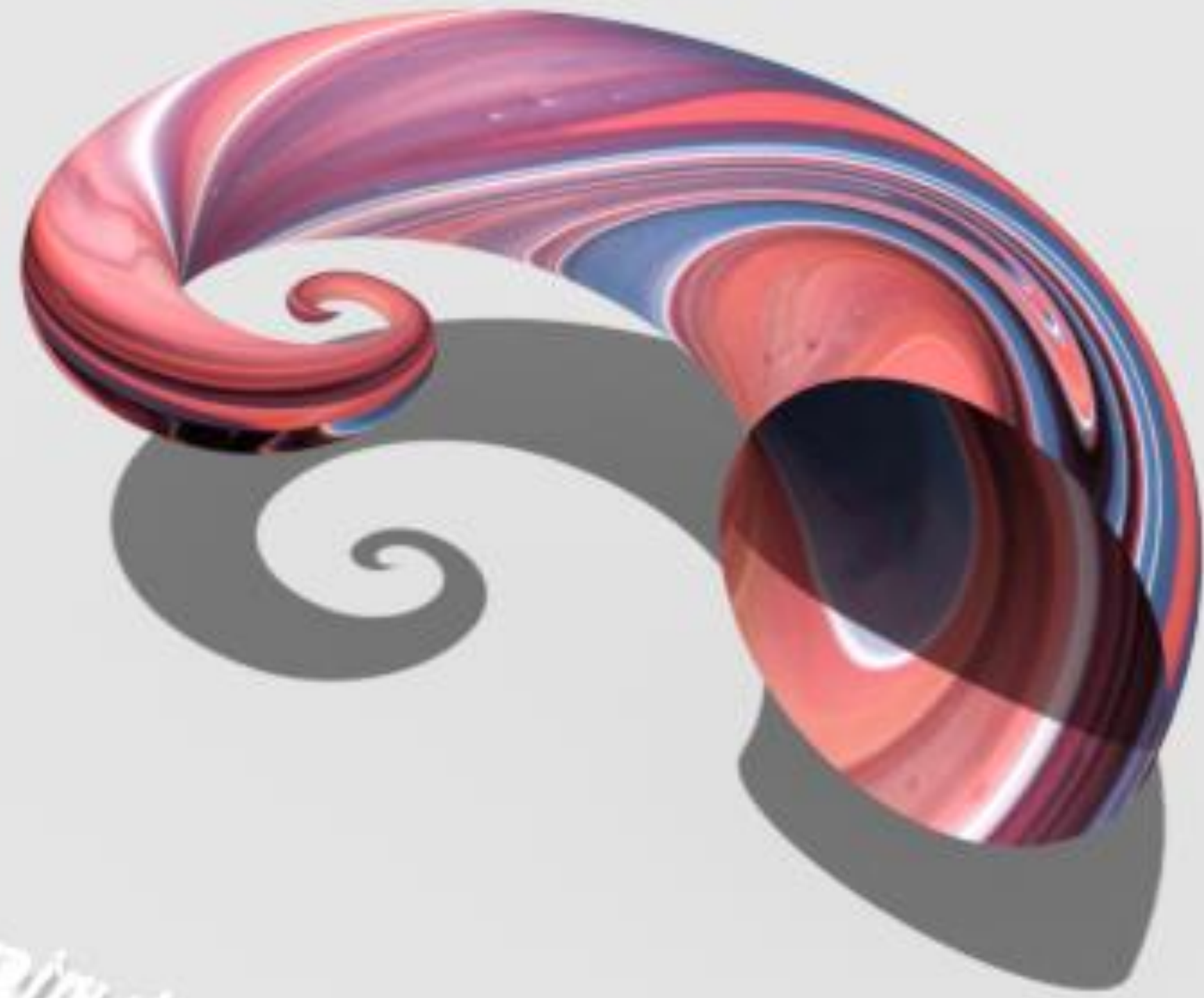
Exerc. 2.2 – Sólidos no Grasshopper





Exerc. 3 – Conchas Gastrópodes - Rhino





Spirula

Spirula



Exerc. 3.1 - Spirula



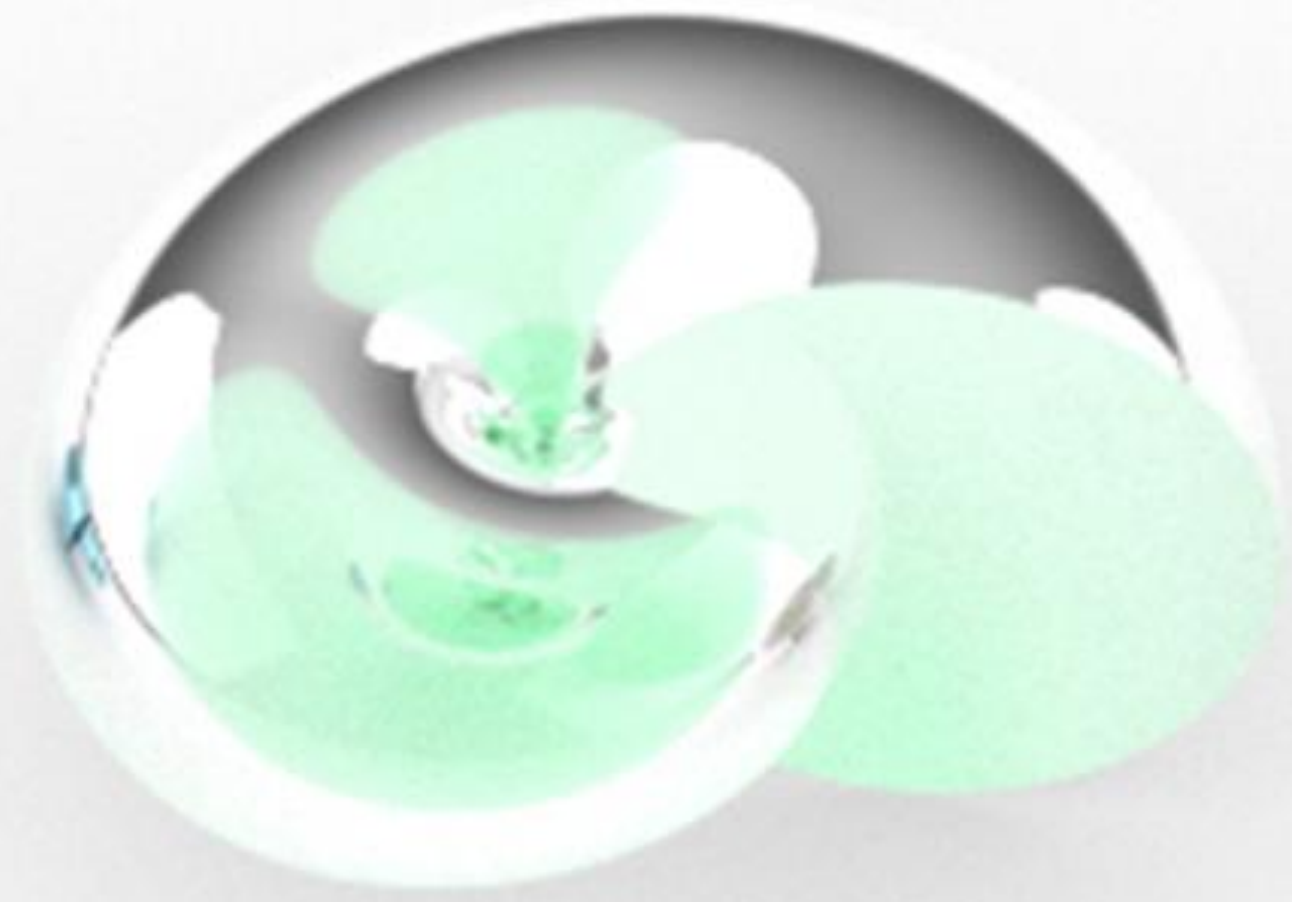


*Planorbis*



Exerc. 3.2 - Planorbis



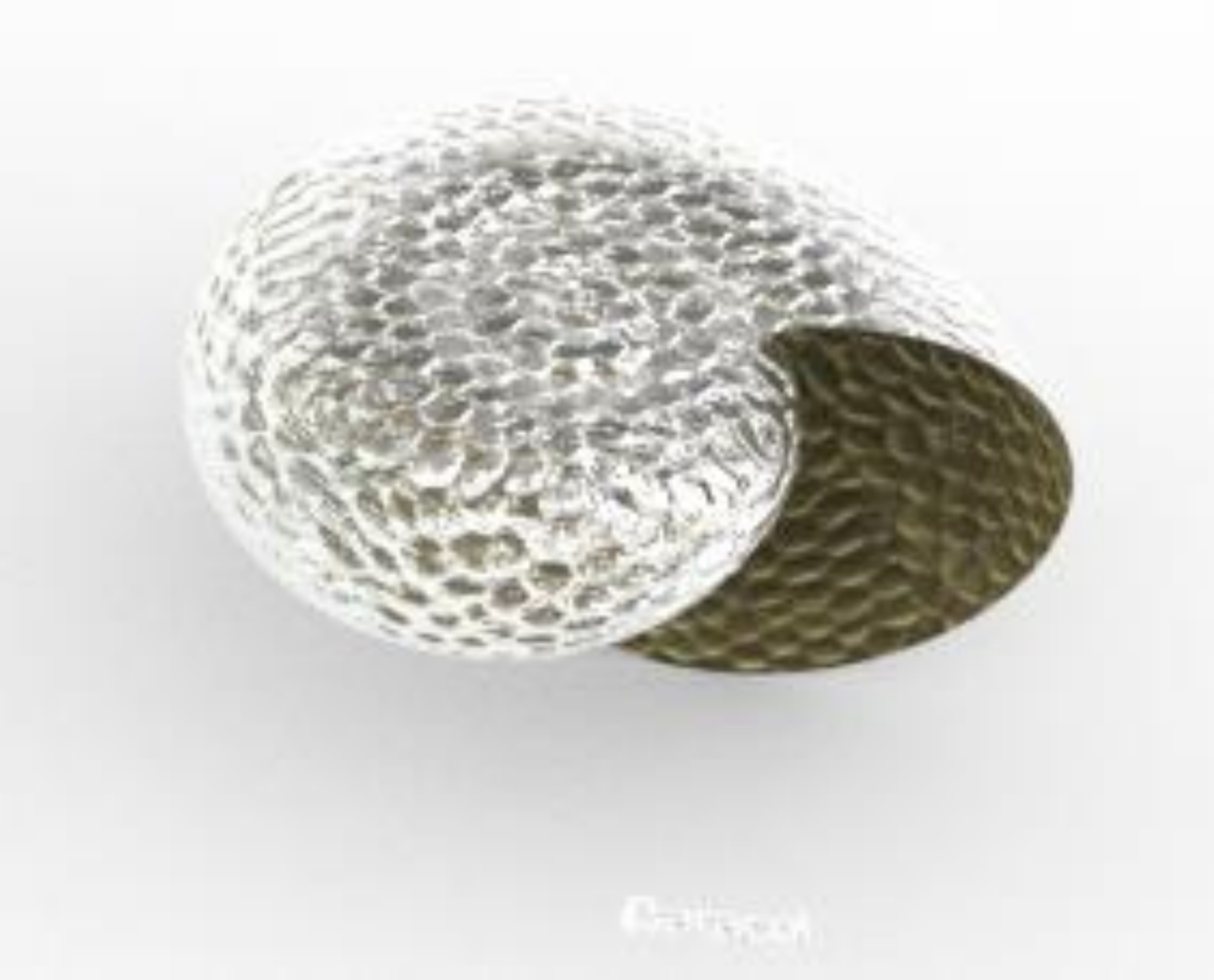


Nautilus



# Exerc. 3.3 - Nautilus





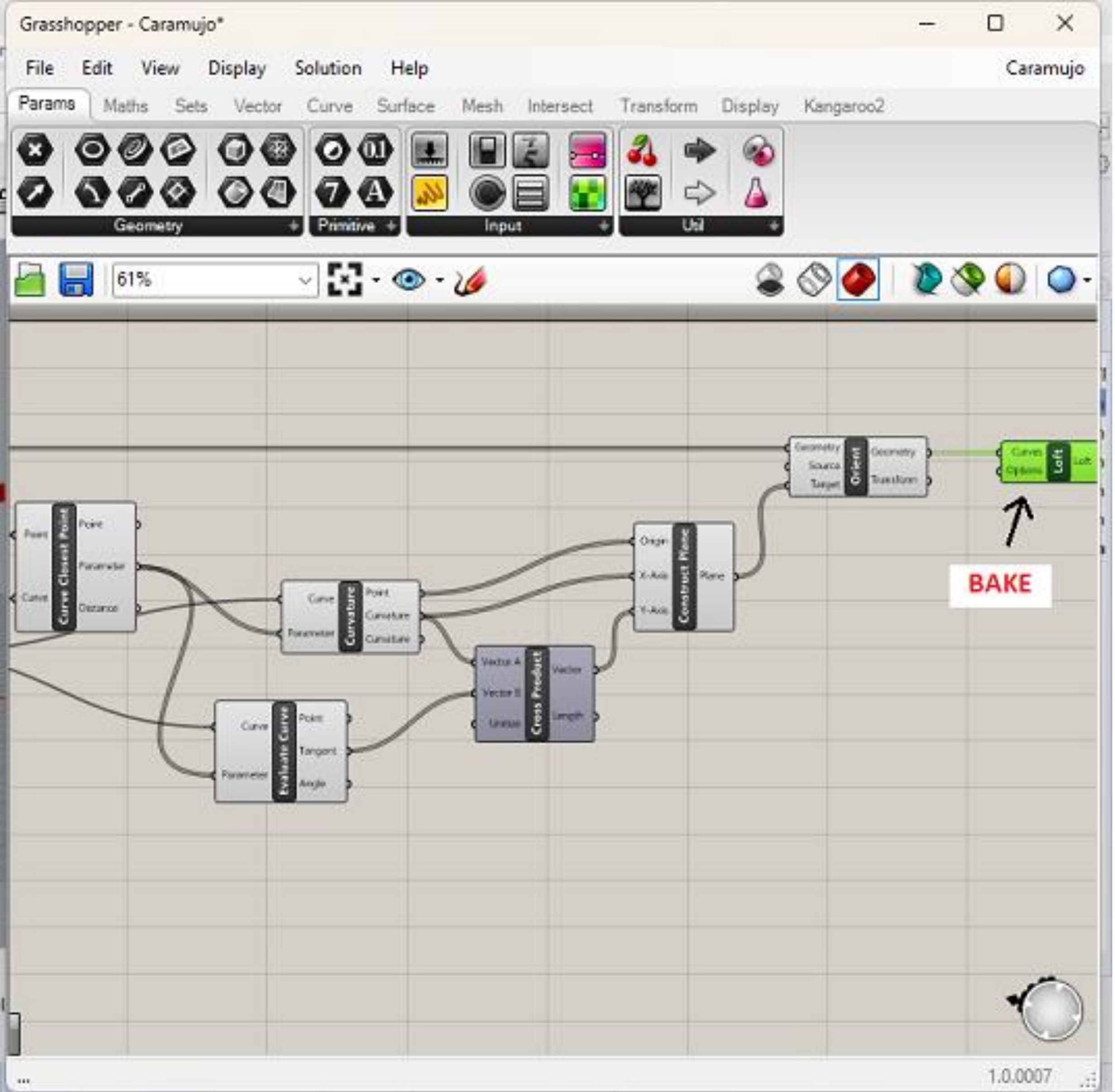
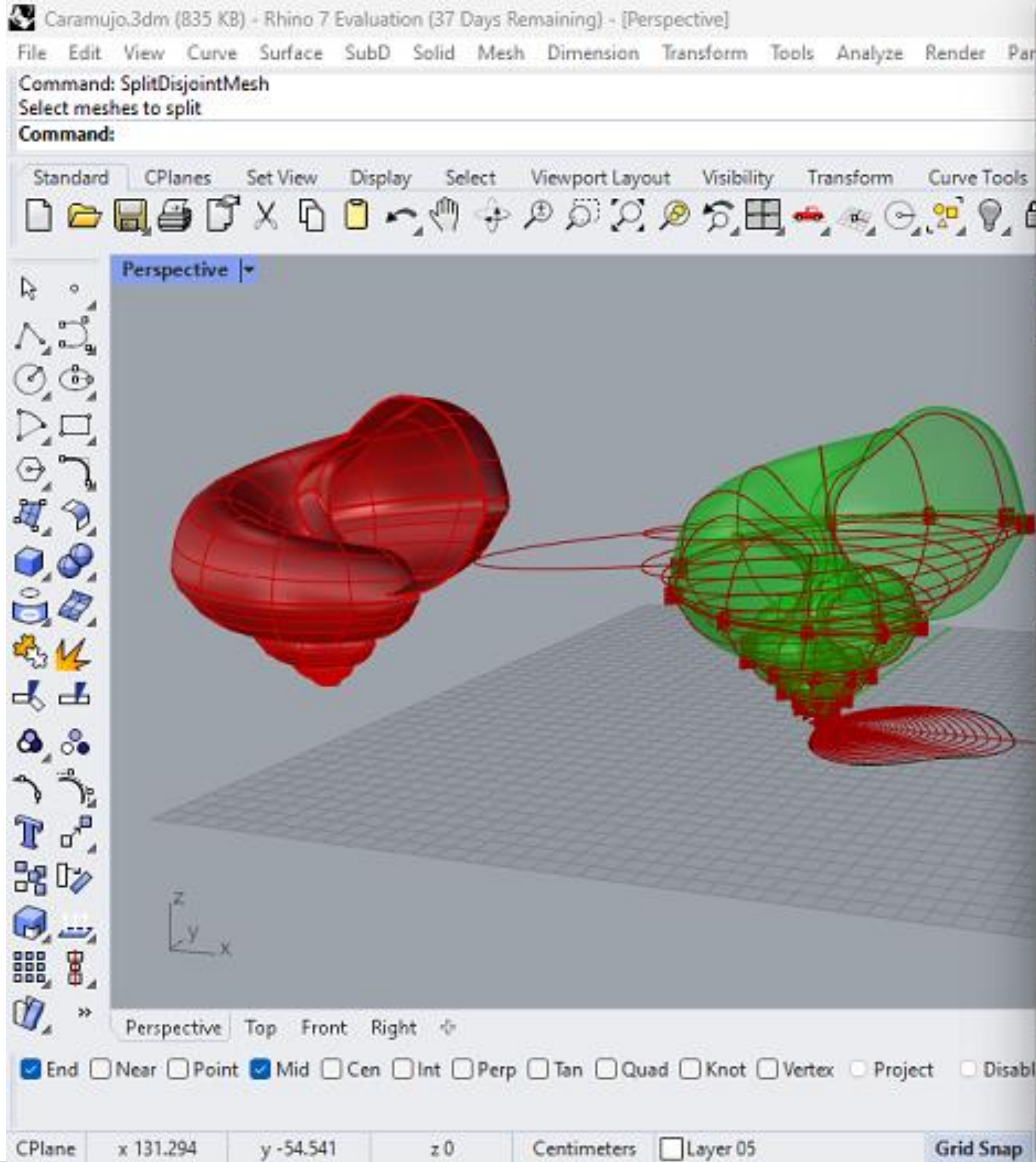
Exerc. 3.4 - Caracol





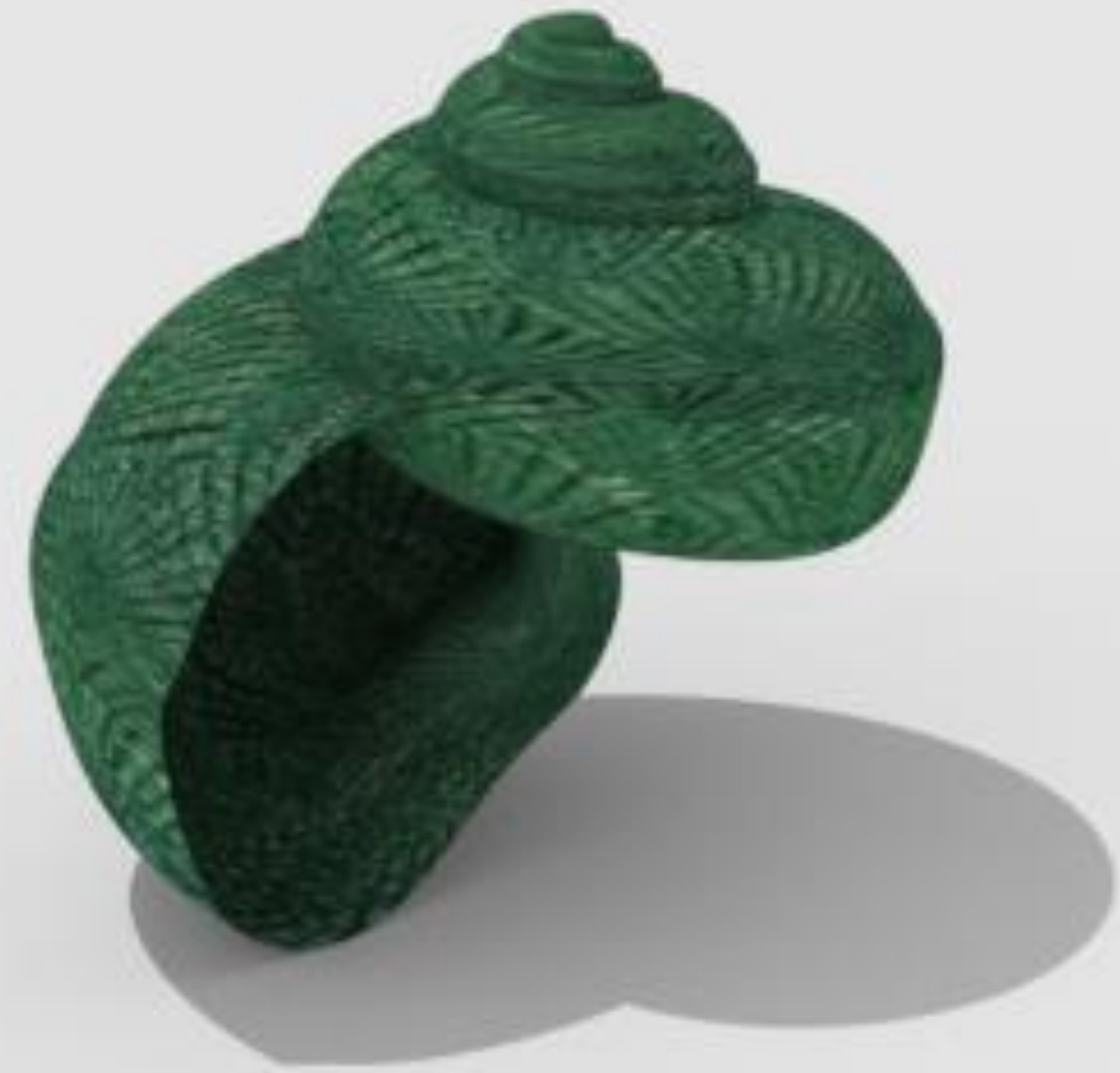
Exerc. 3.5 - Caramujo





# Exerc. 3.5.1 – Caramujo - GRASSHOPPER





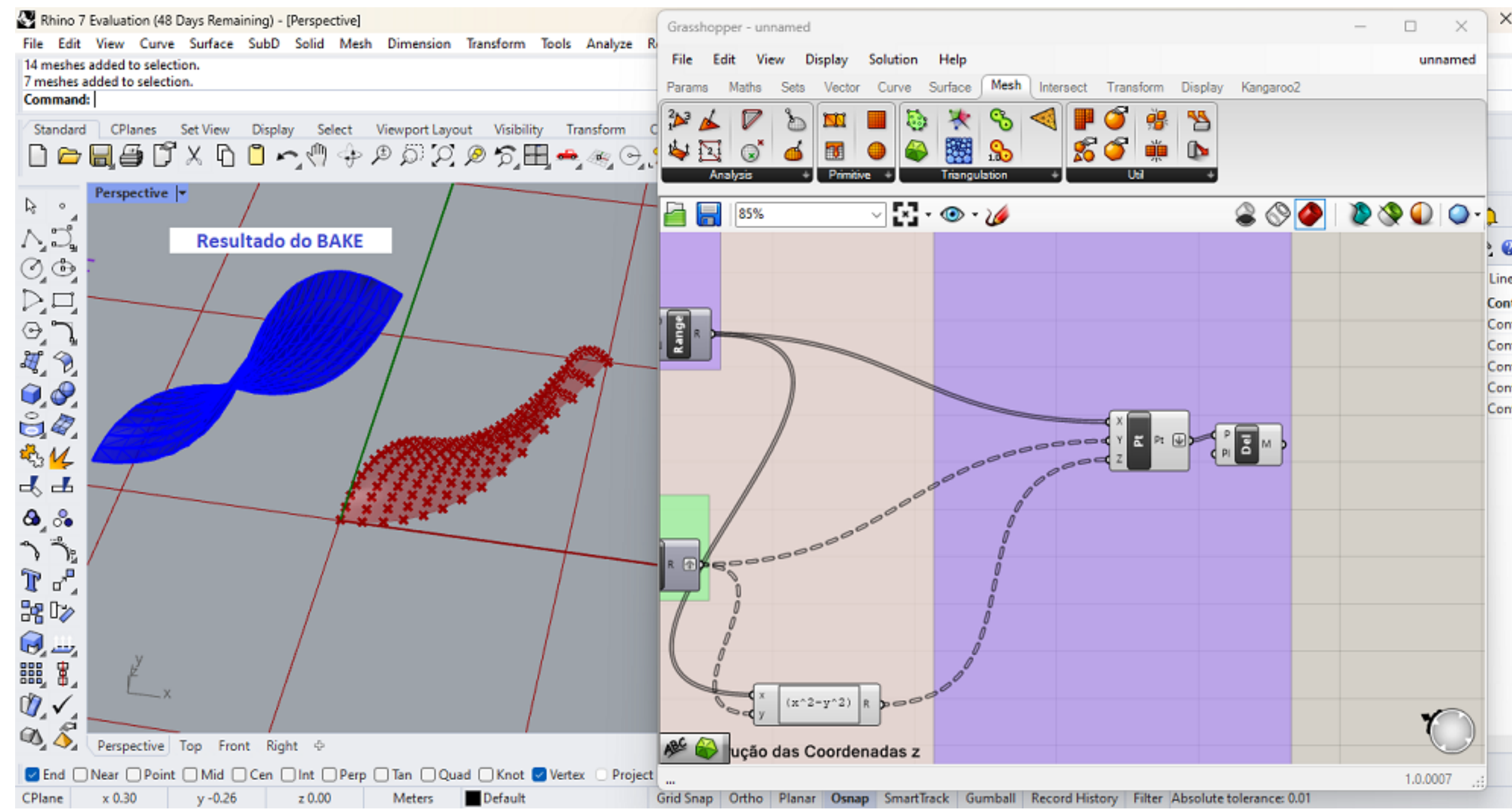
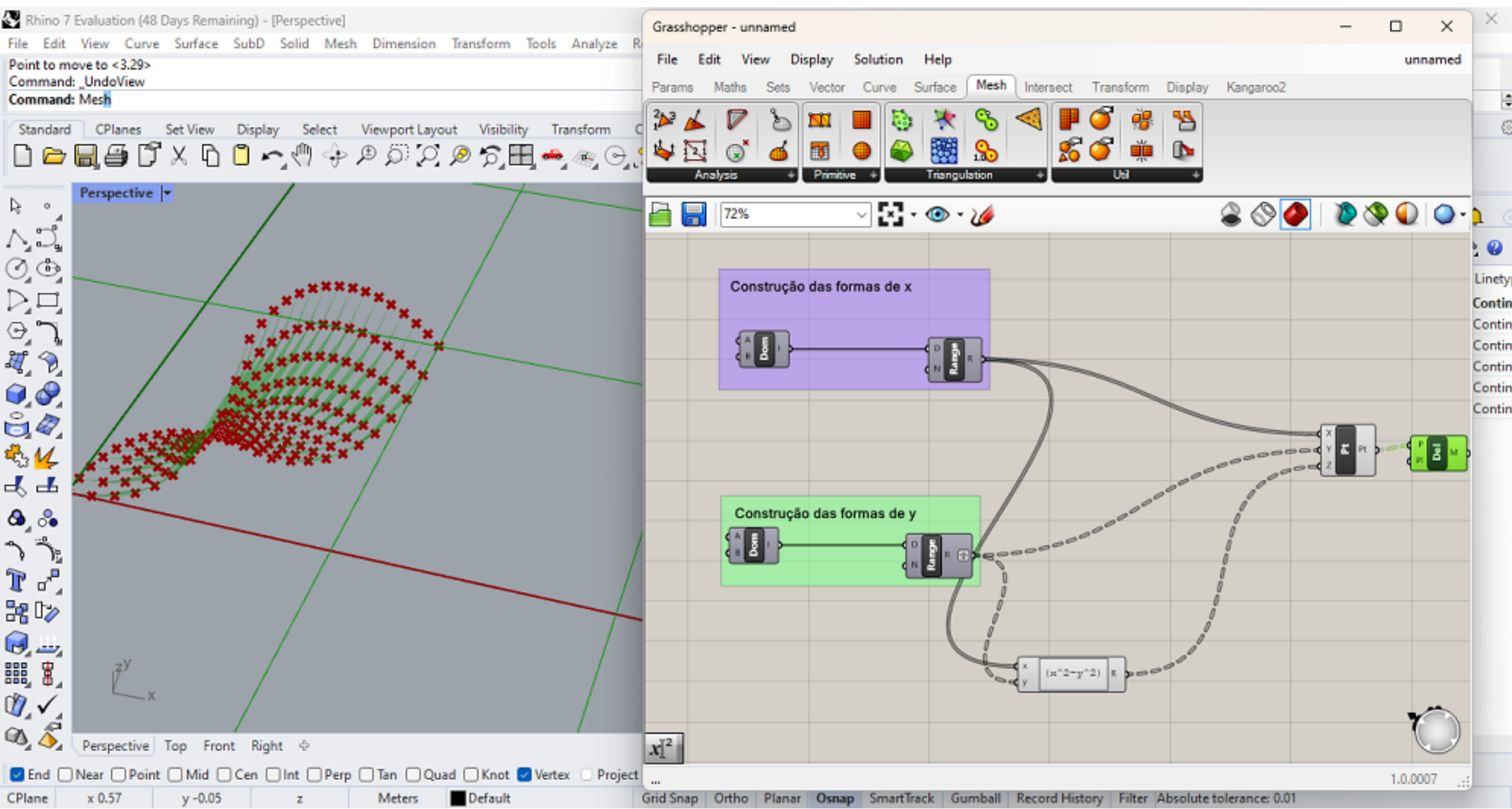
Exerc. 3.5.1 – Caramujo - Grasshopper





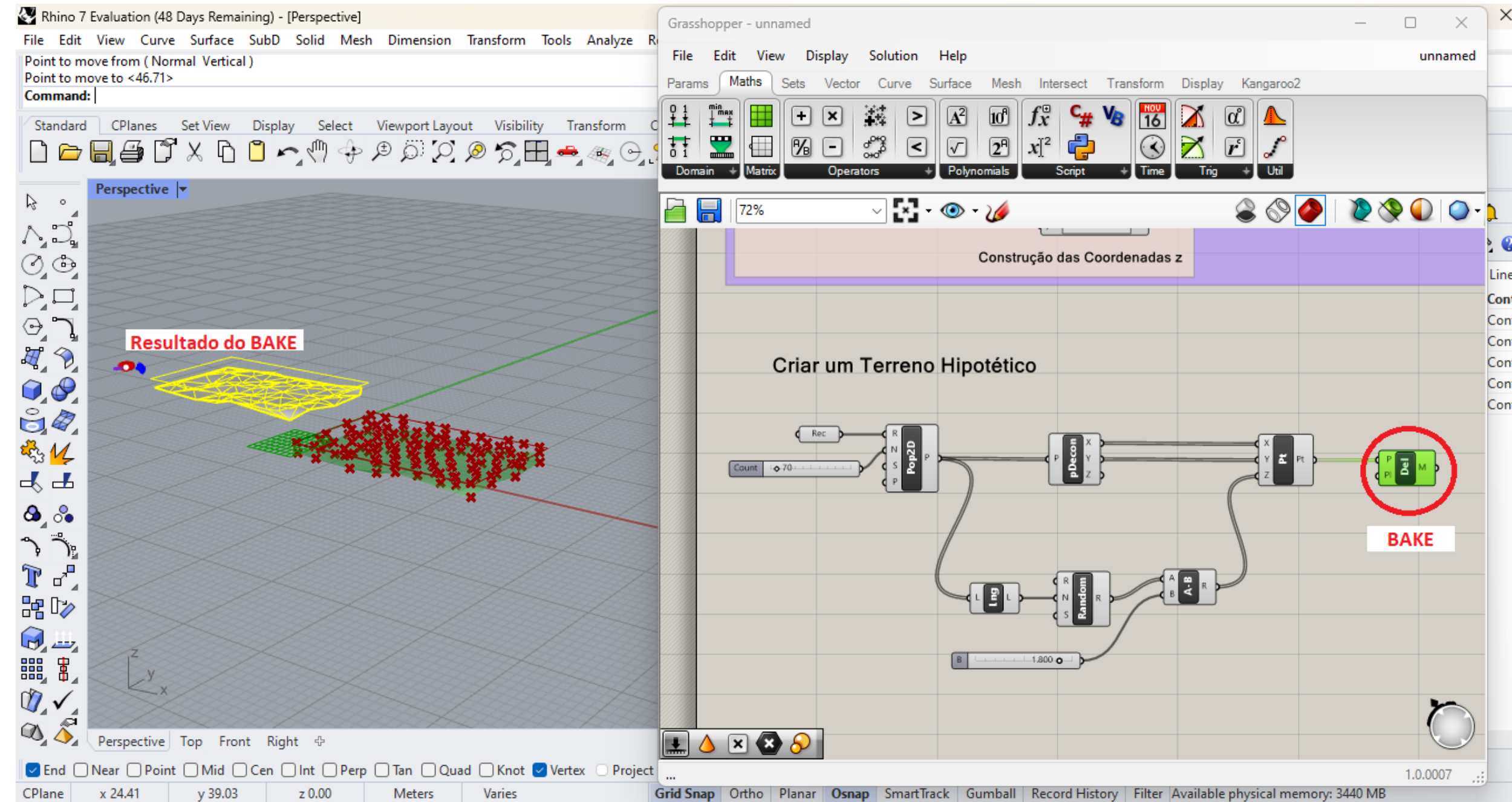
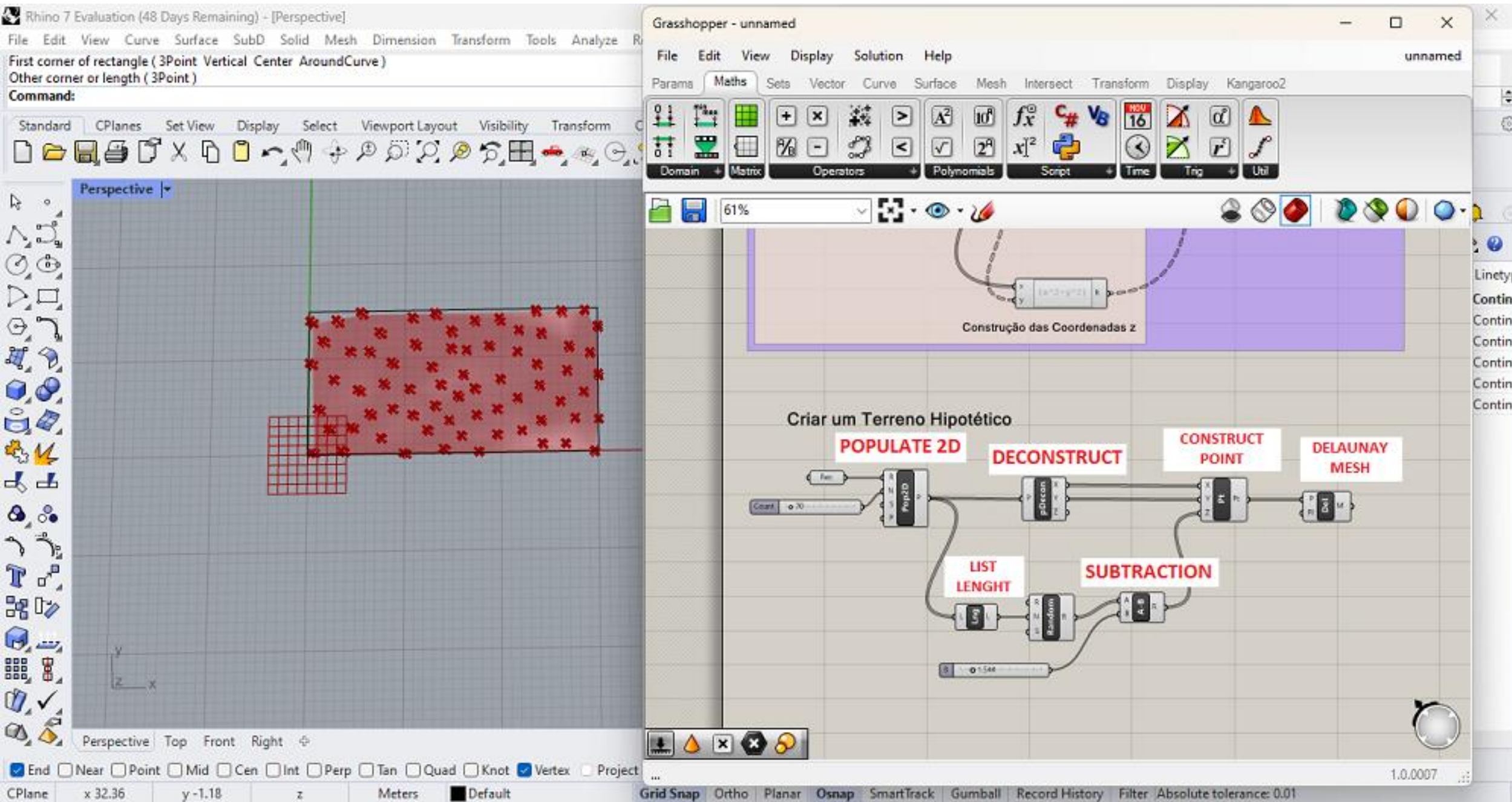
# Exerc. 4 – GRASSHOPPER





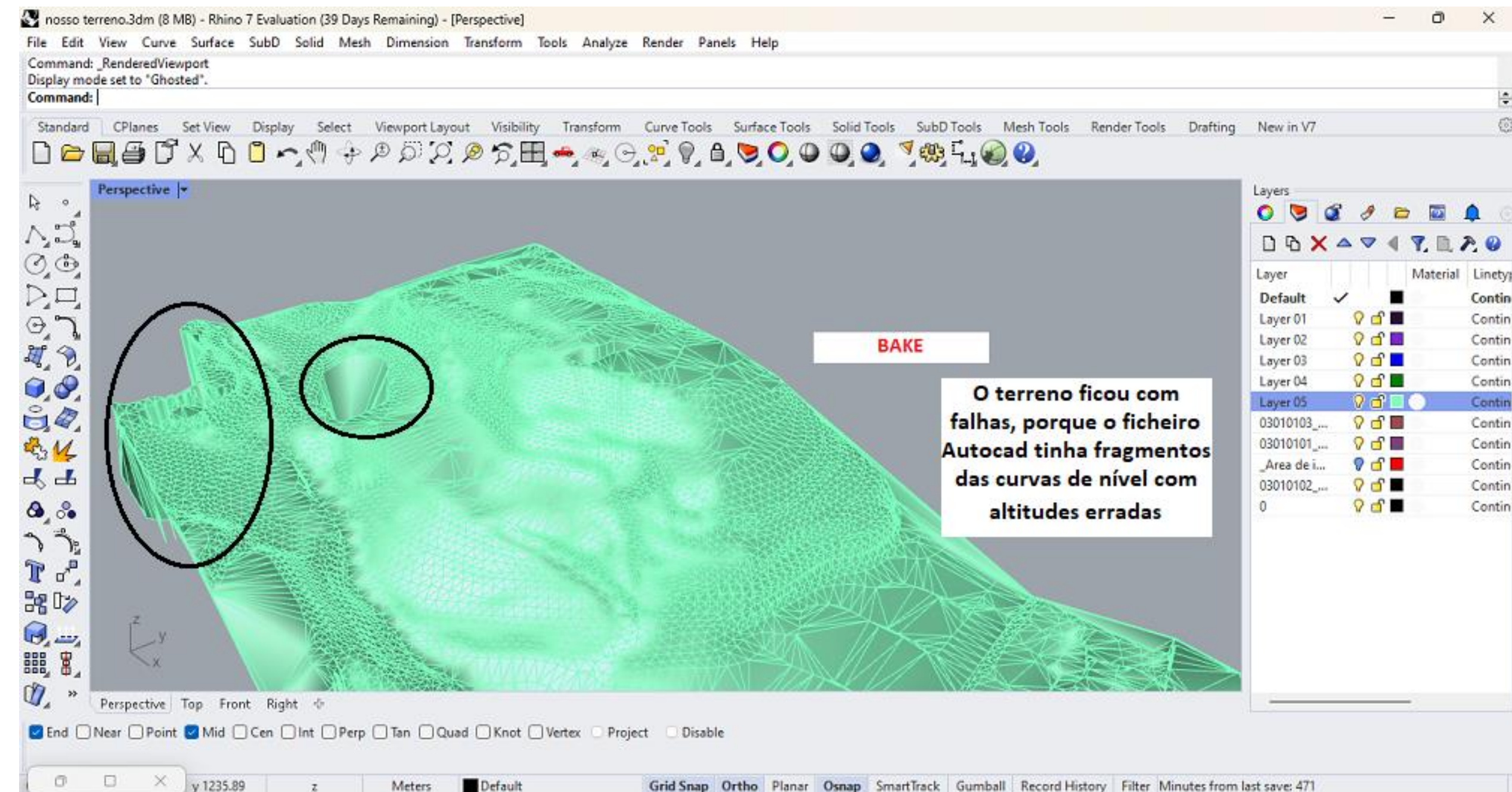
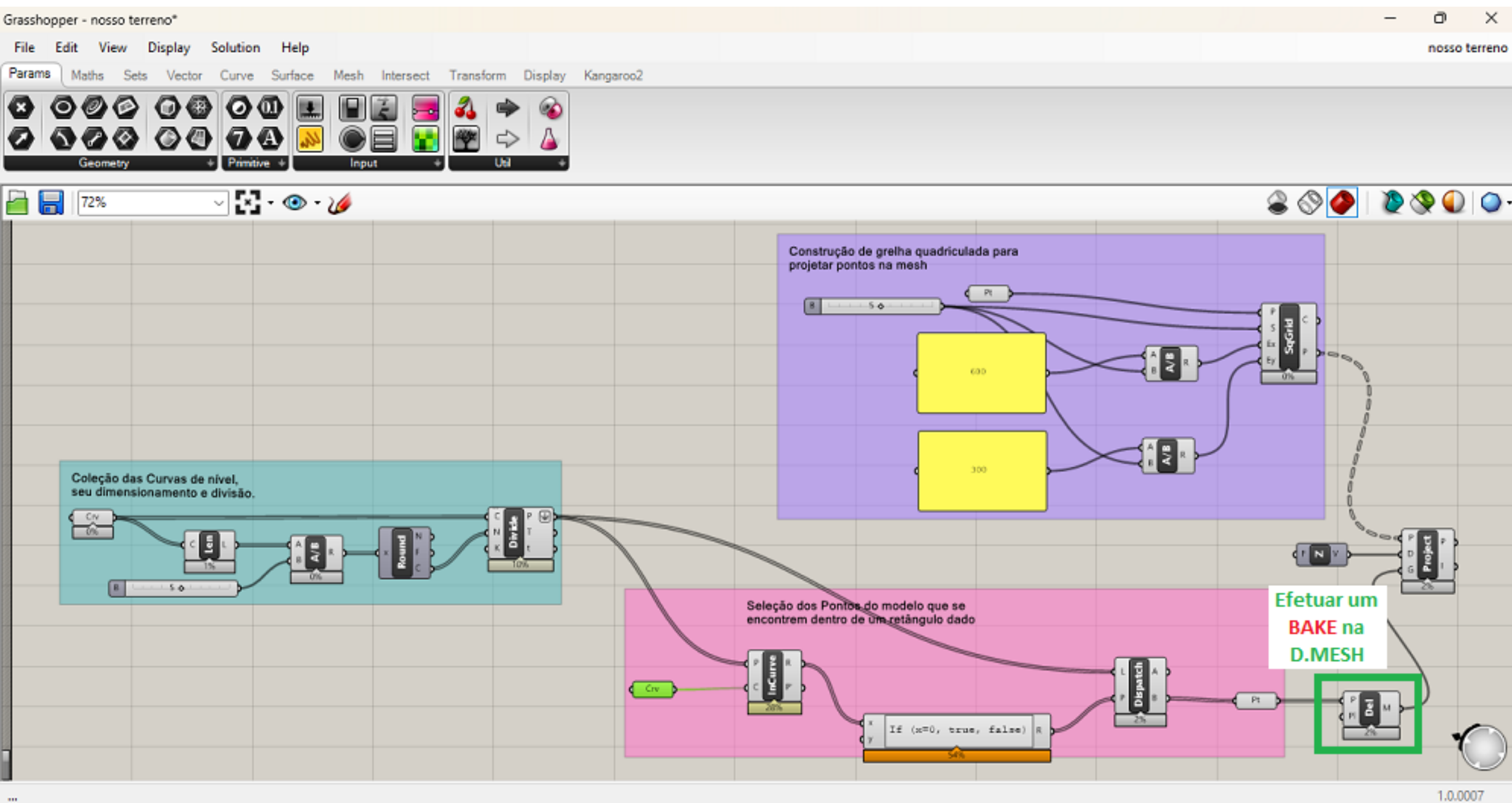
# Exerc. 4.1 – Exercício no Grasshopper





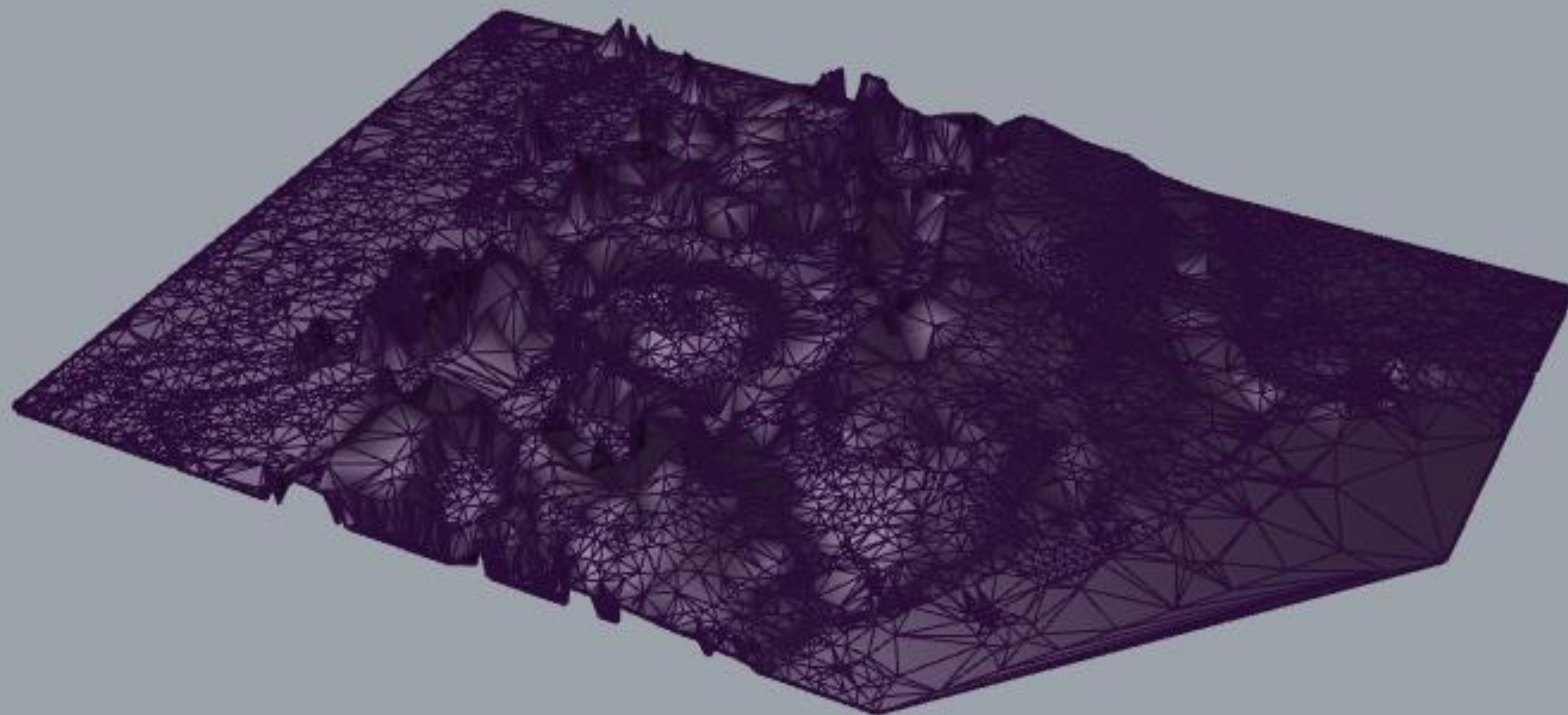
# Exerc. 4.2 – Terreno Hipotético





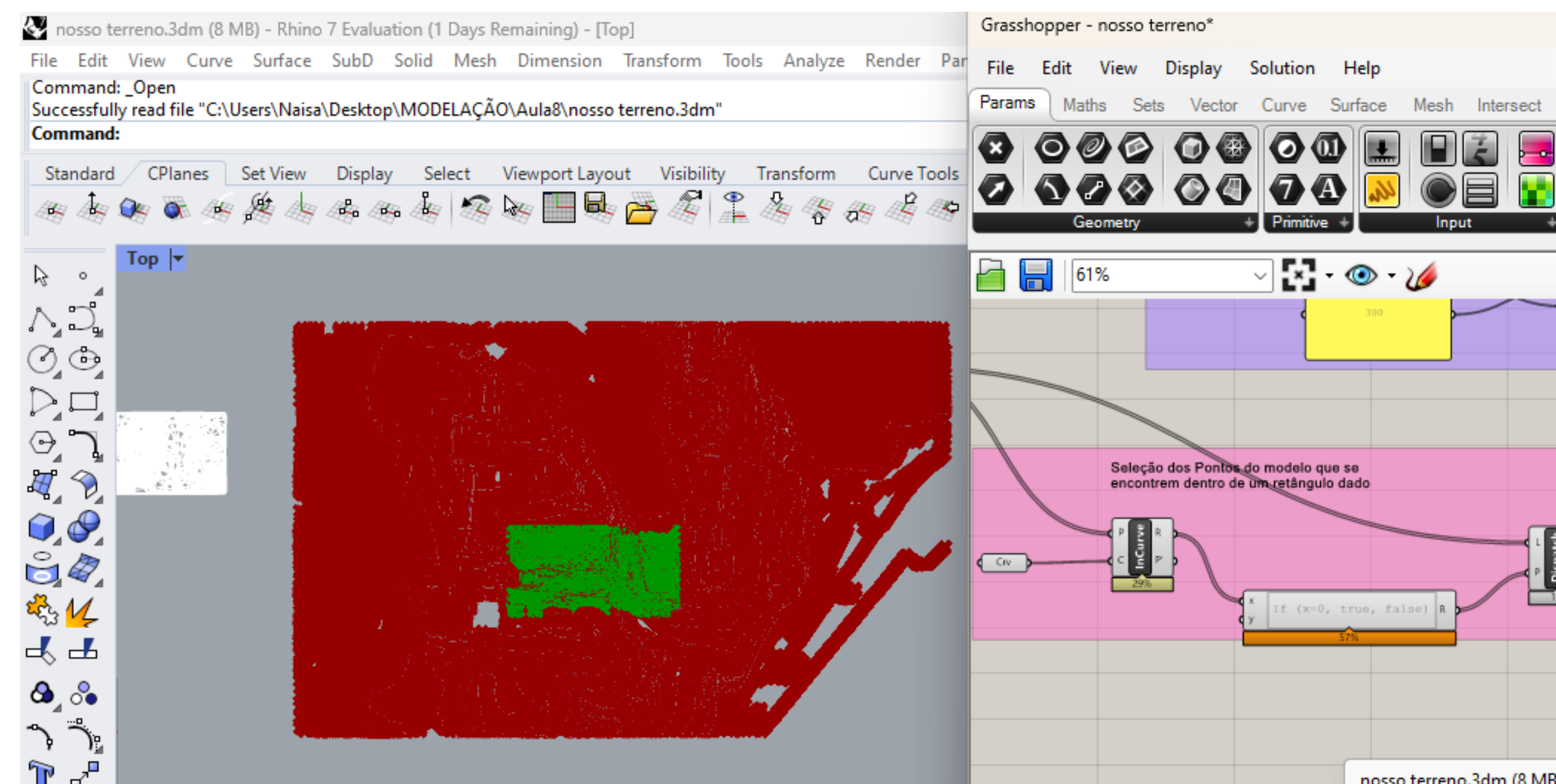
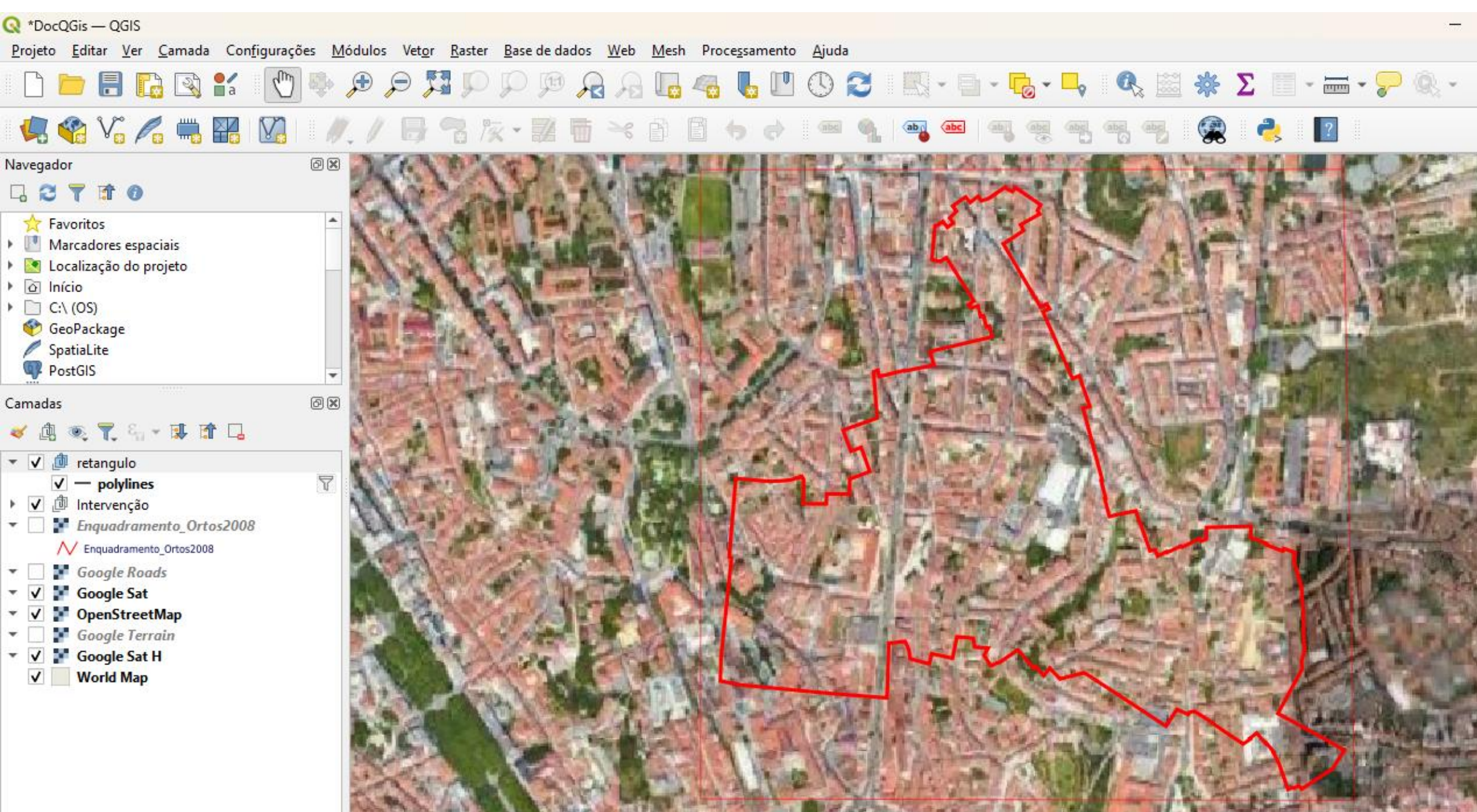
# Exerc. 4.2 – Terreno de Projeto





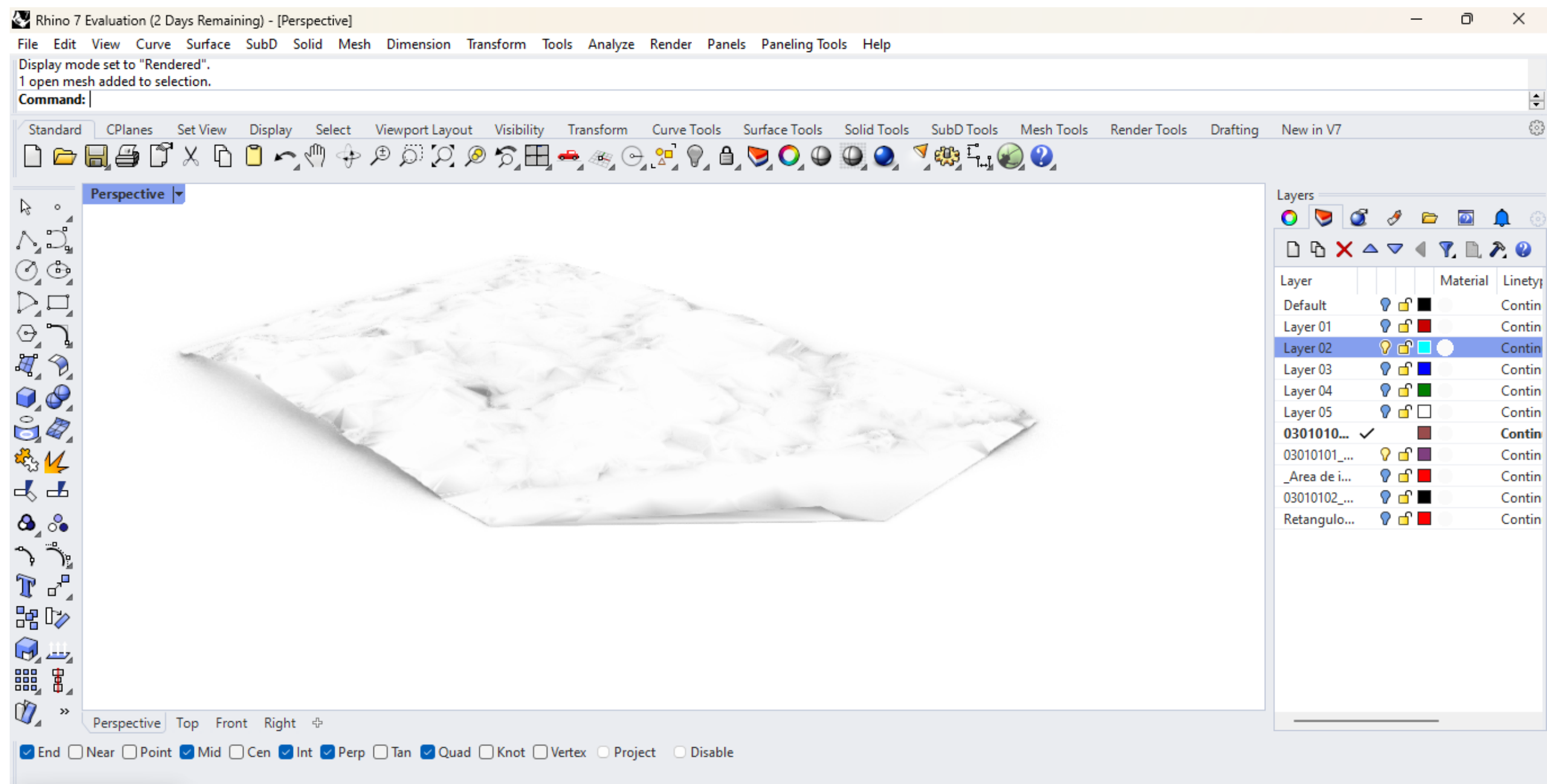
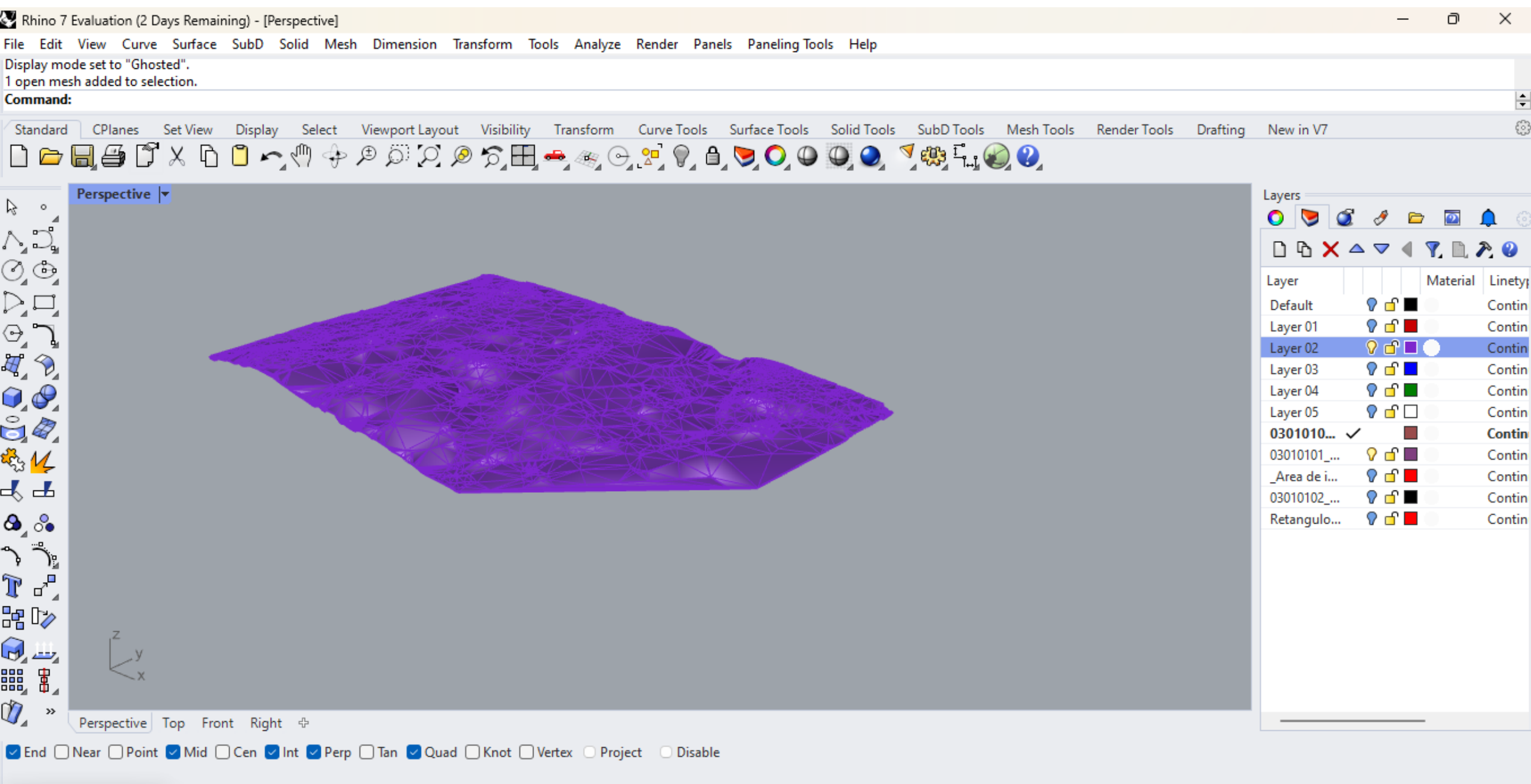
Exerc. 4.3 – Terreno de Projeto





Exerc. 4.3.1 – Terreno de Projeto - Corrigido





# Exerc. 4.3.1 – Terreno de Projeto - Corrigido





Exerc. 4.3.1.1 – Terreno de Projeto - Zona de  
Intervenção - Corrigido





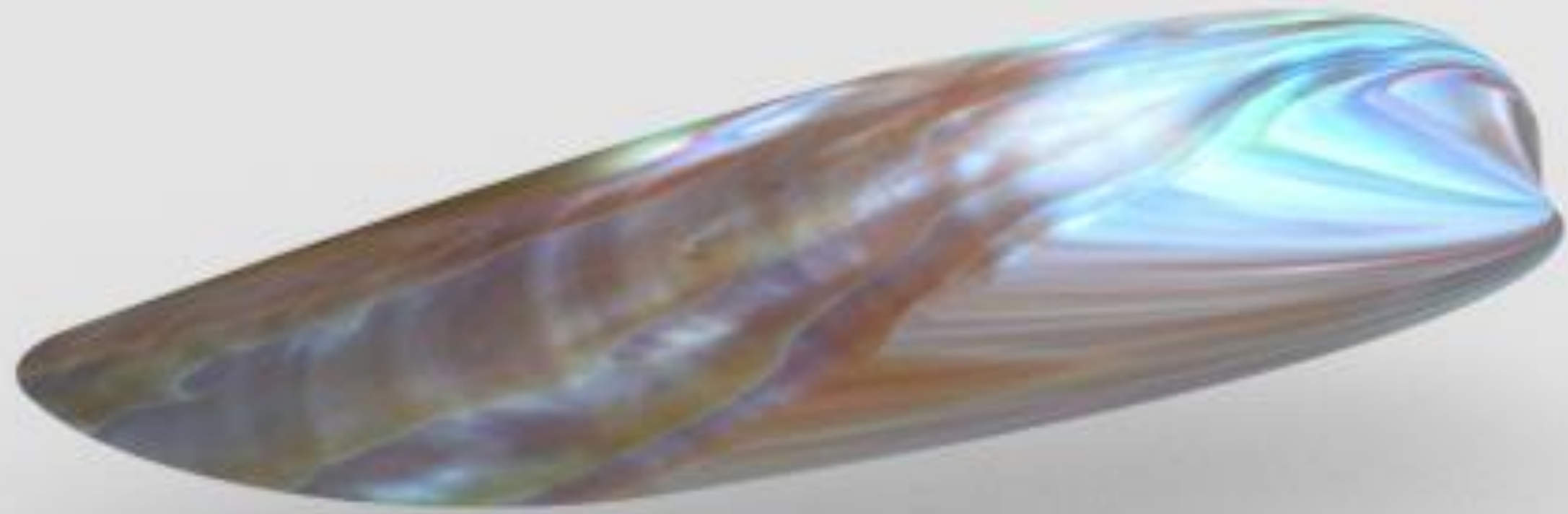
Exerc. 4.3.1 – Terreno de Projeto - Zona de Intervenção (Corrigido)





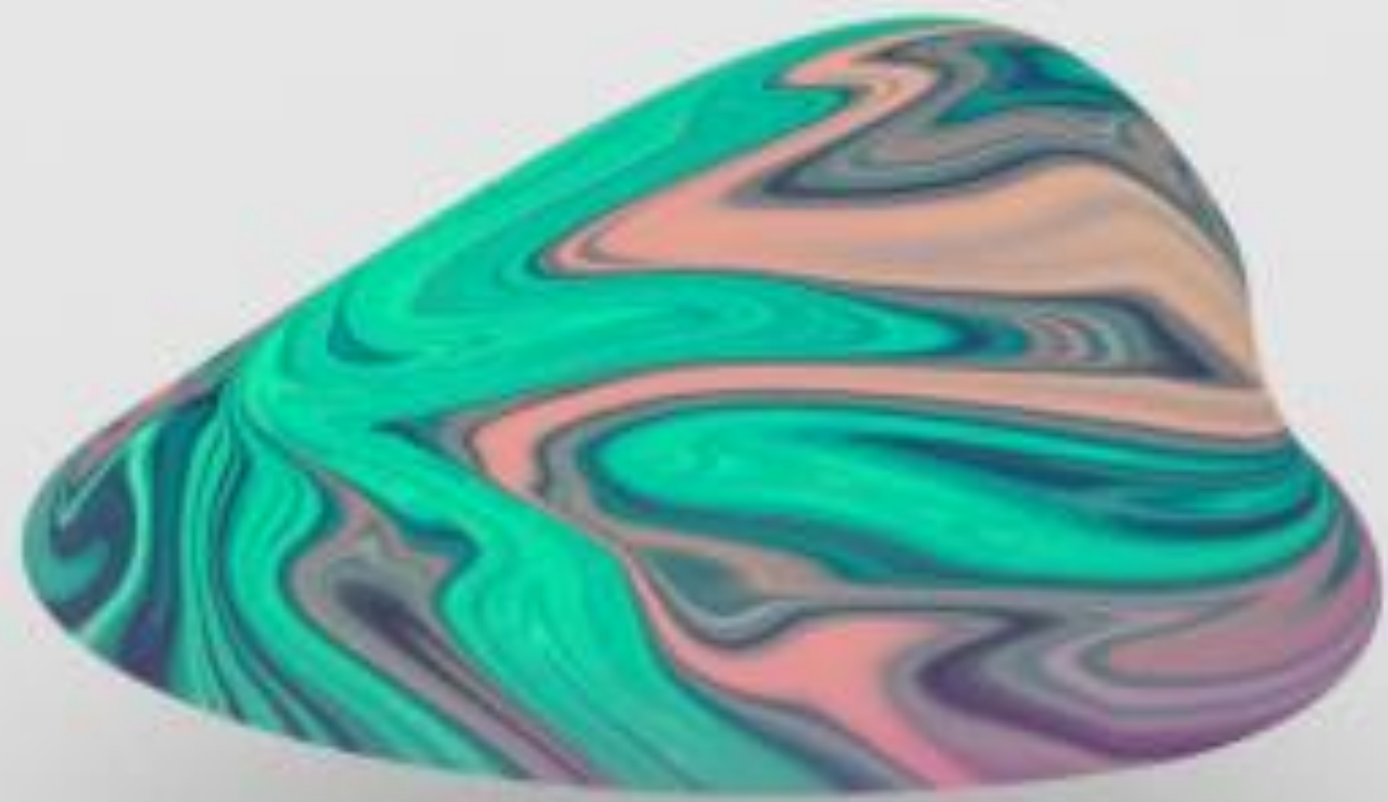
Exerc. 5 – Conchas Bivalves - Rhino





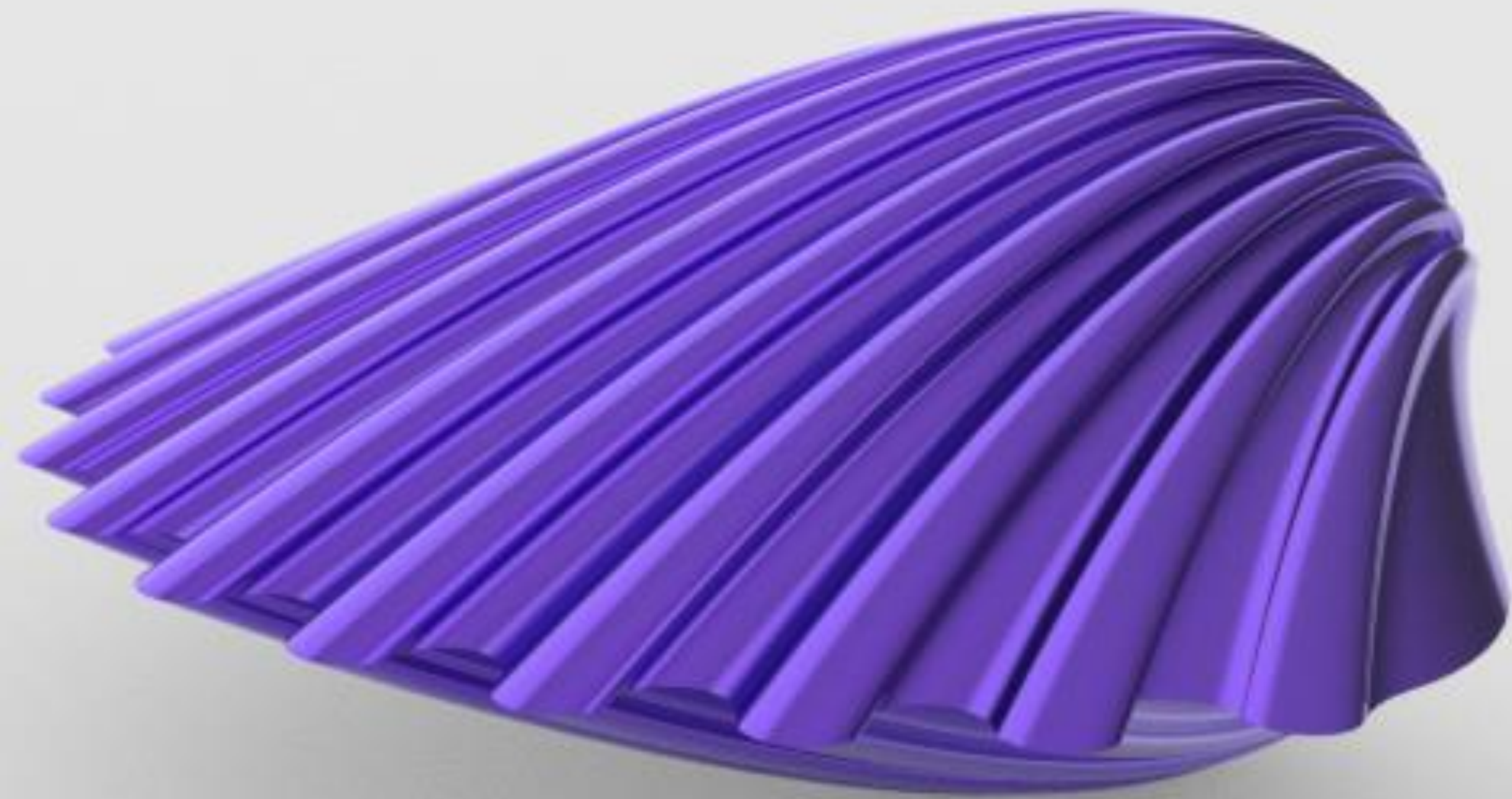
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Exerc. 5.2 – Amêijoa





Exerc. 5.3 – Vieira





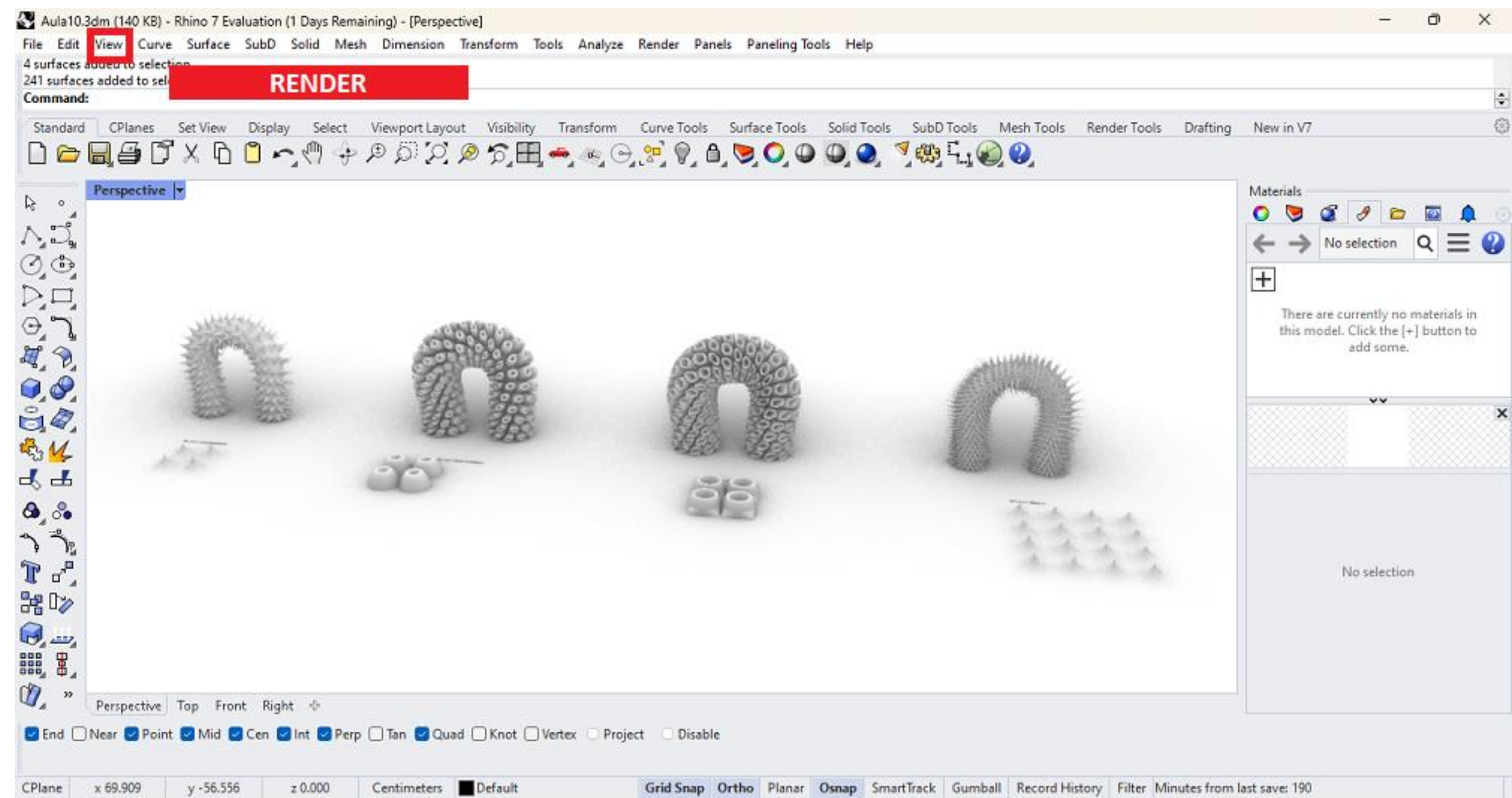
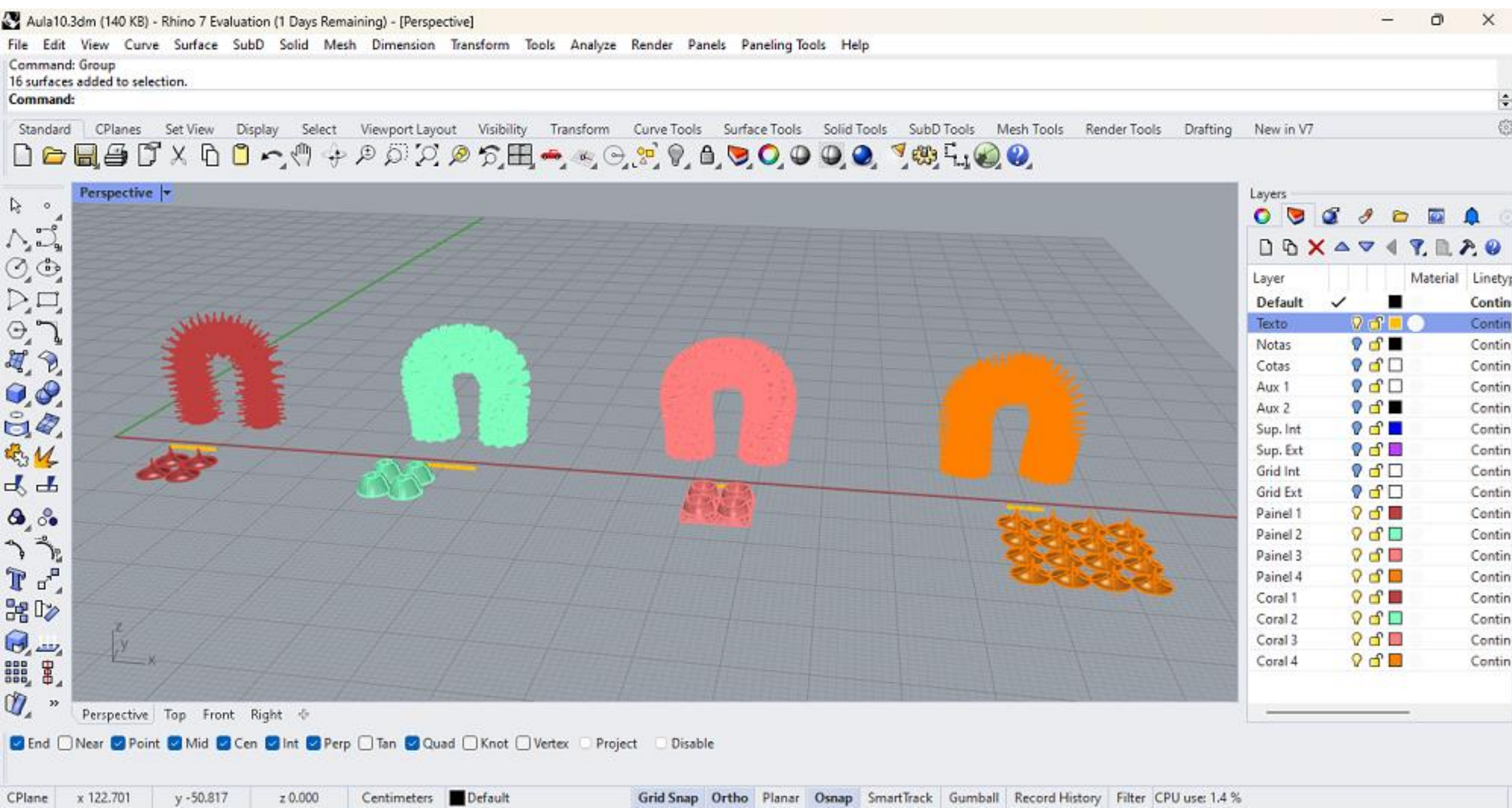
Exerc. 5.4 – Ostra





Exerc. 6 – Corais - Rhino





# Exerc. 6 – Corais - Rhino





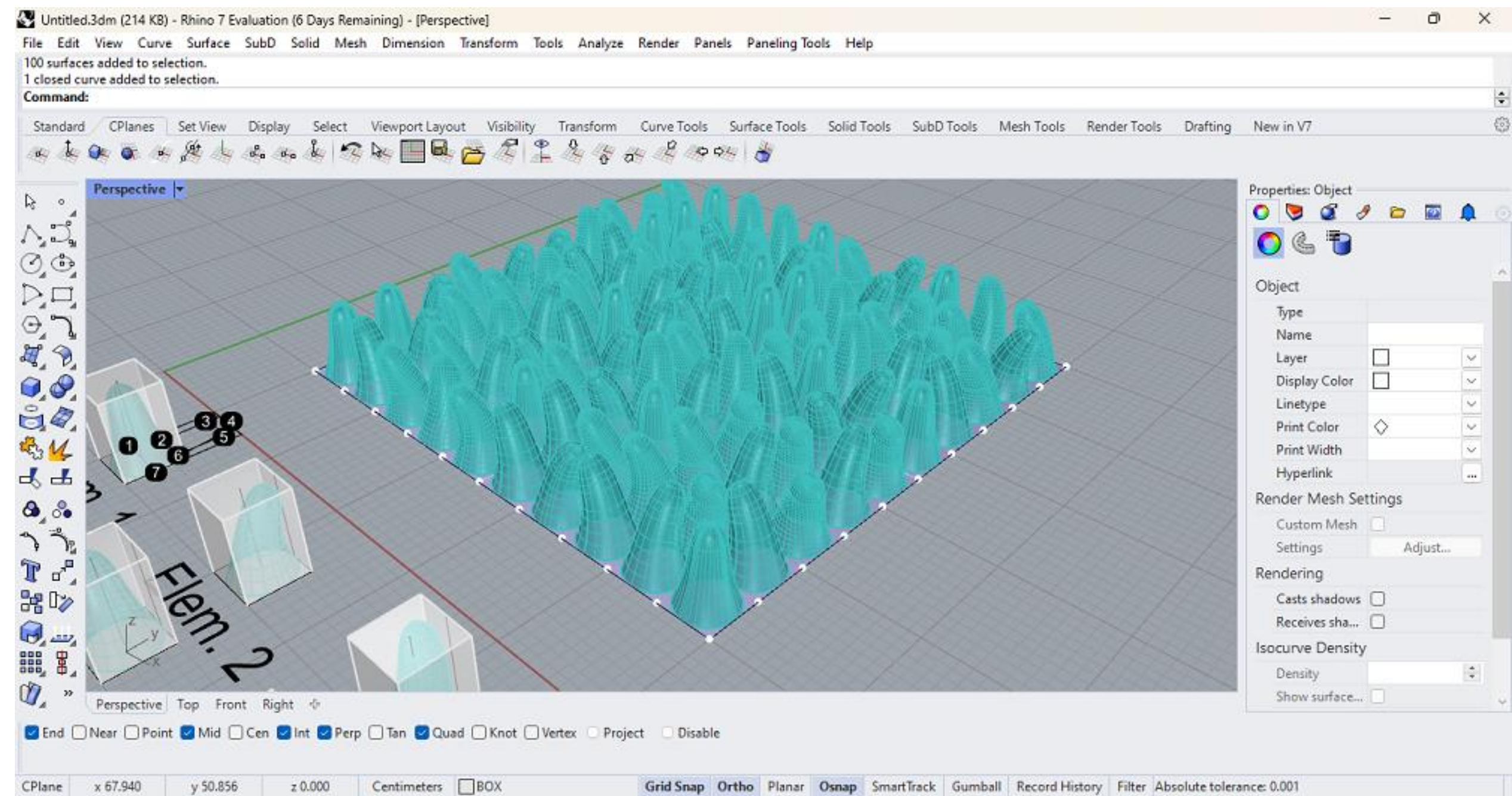
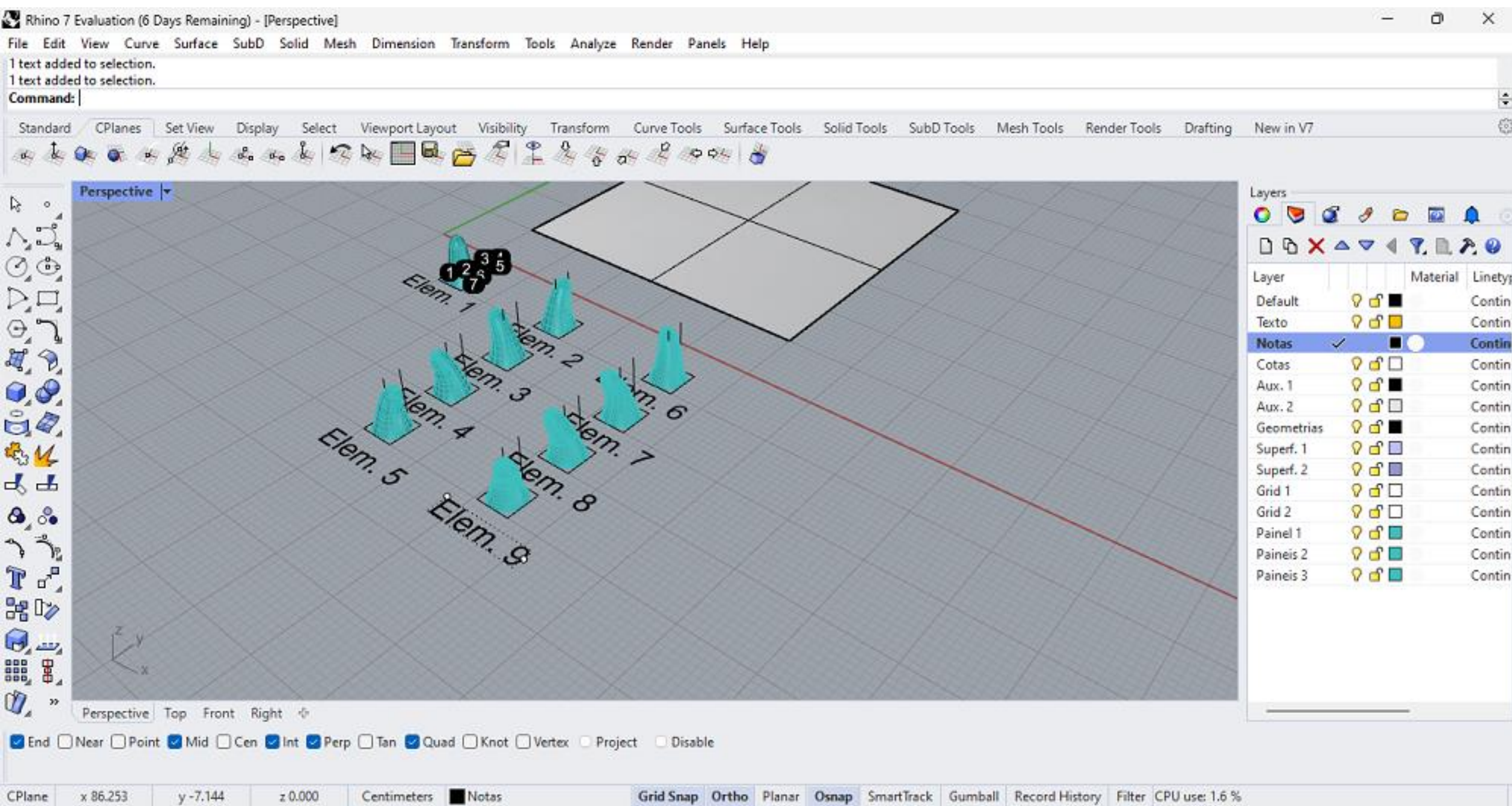
Exerc. 6 – Corais - Rhino





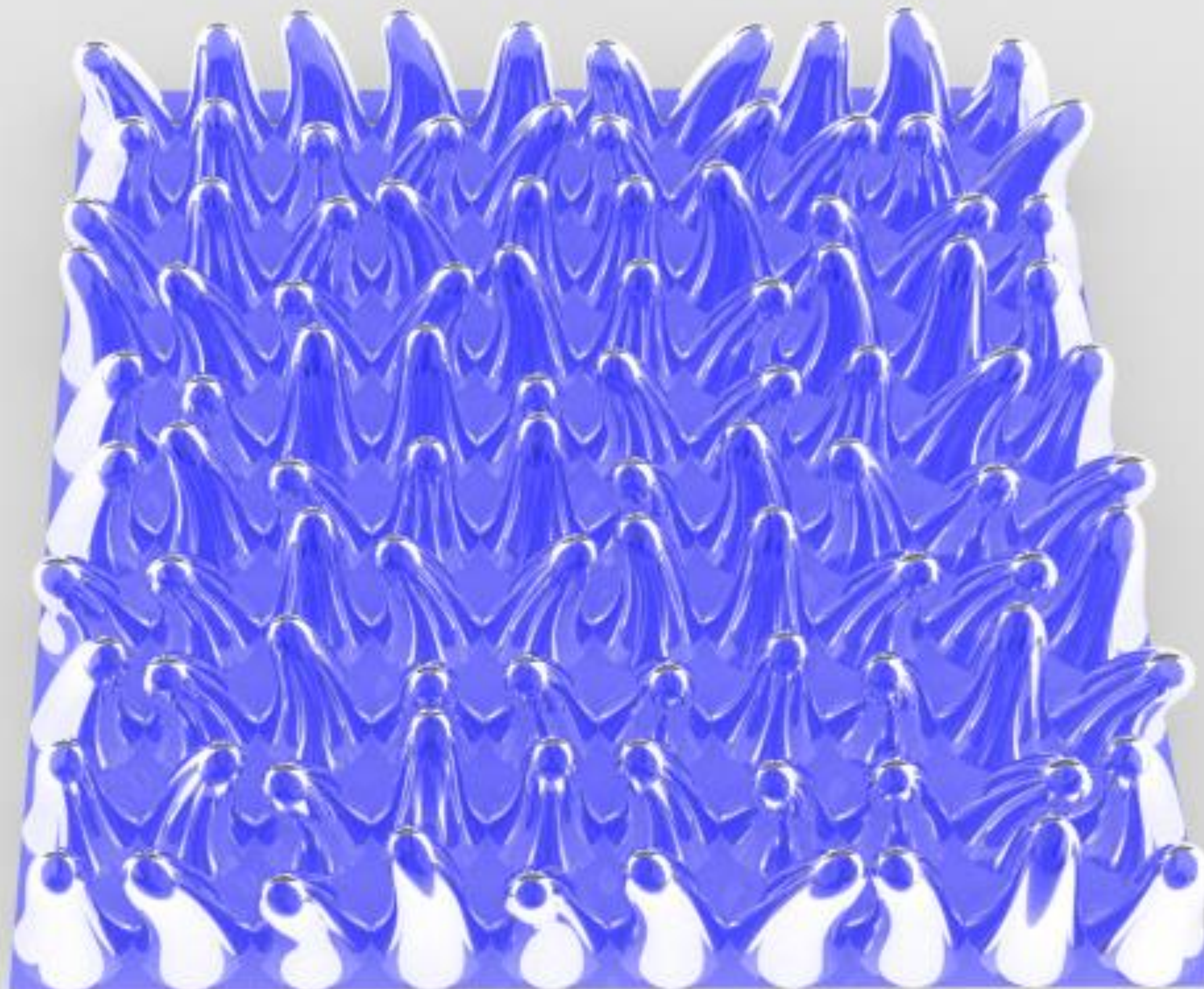
Exerc. 7 – Anémonas - Rhino





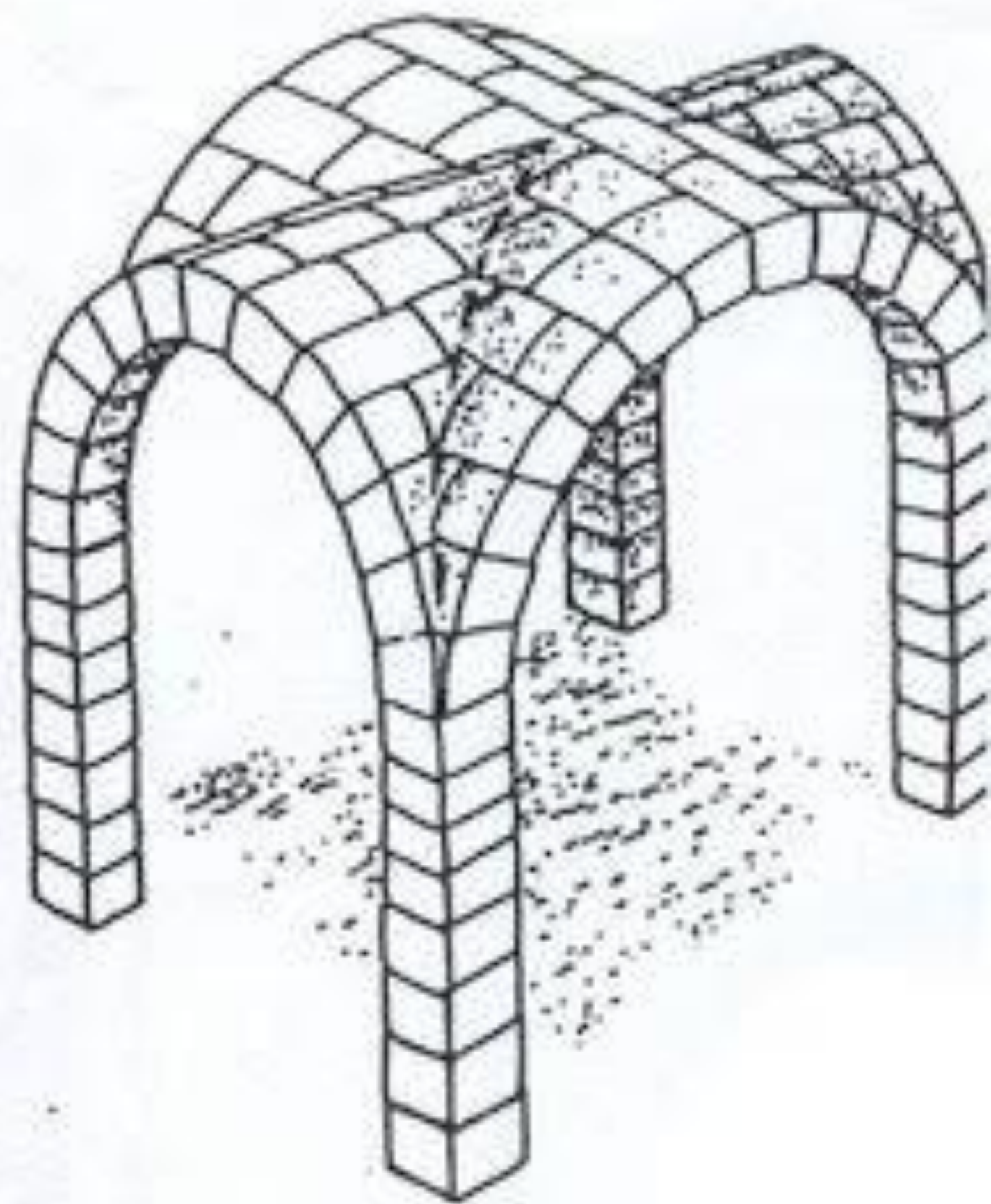
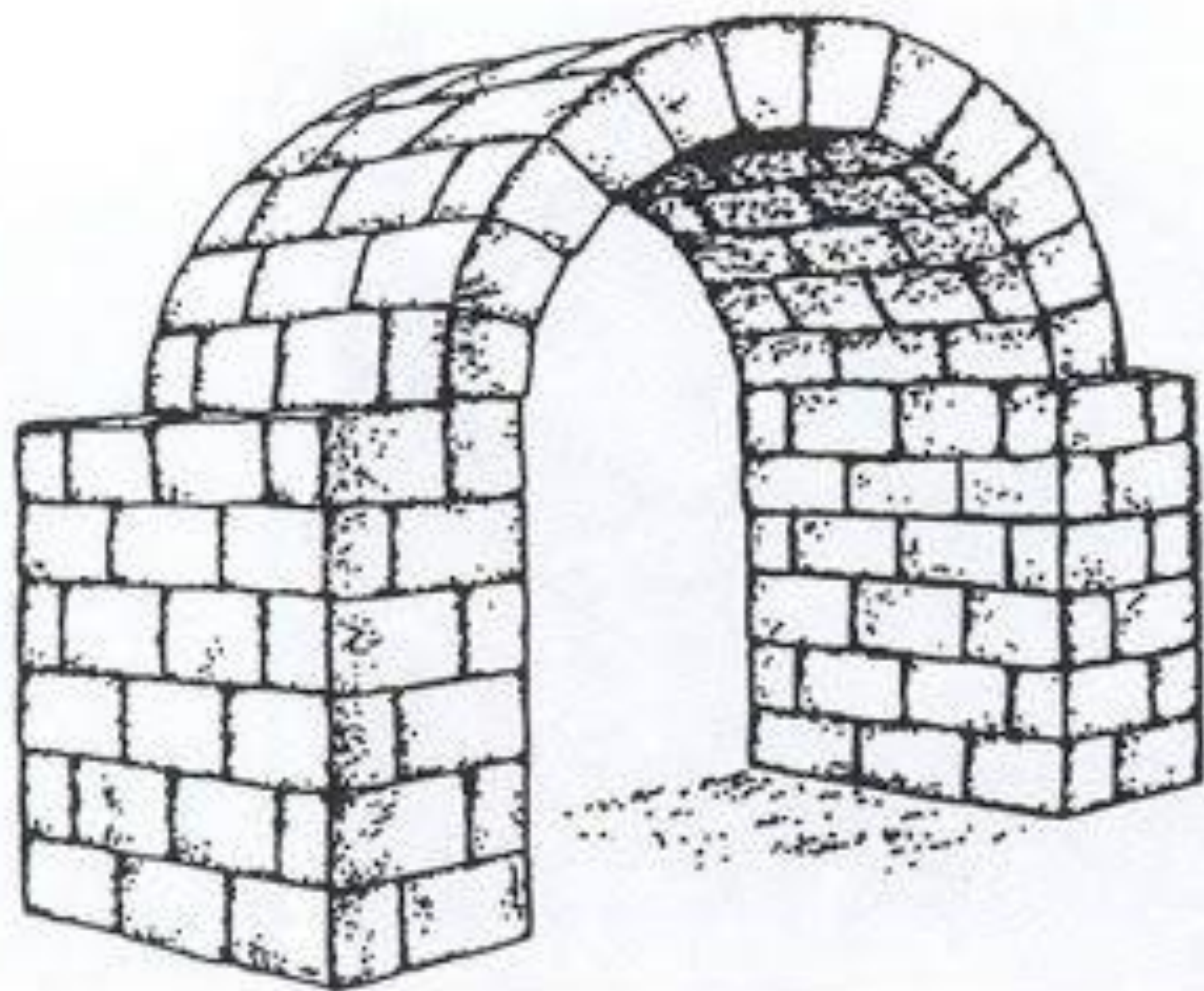
# Exerc. 7 – Anémonas - Rhino





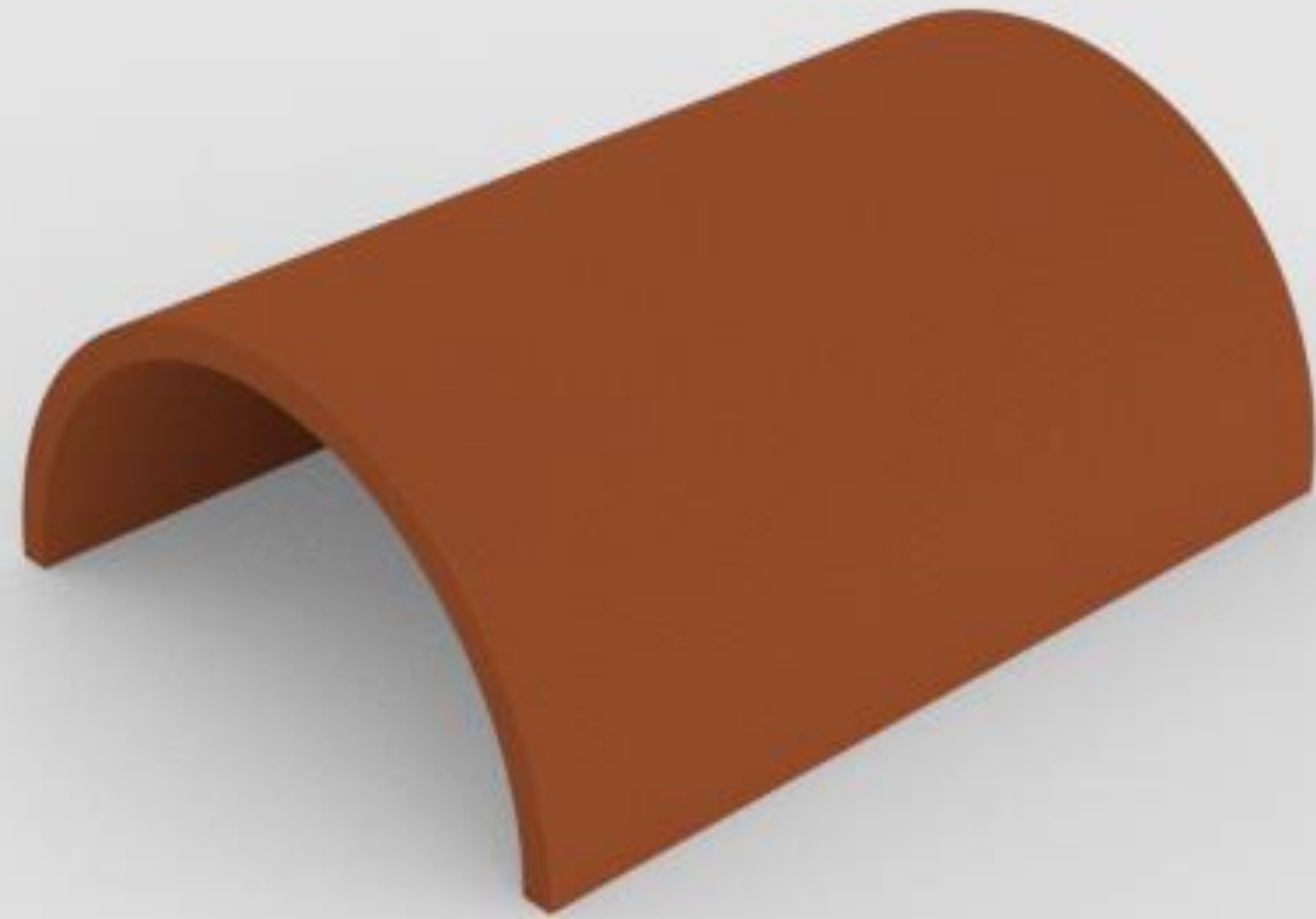
Exerc. 7 – Anémonas - Rhino





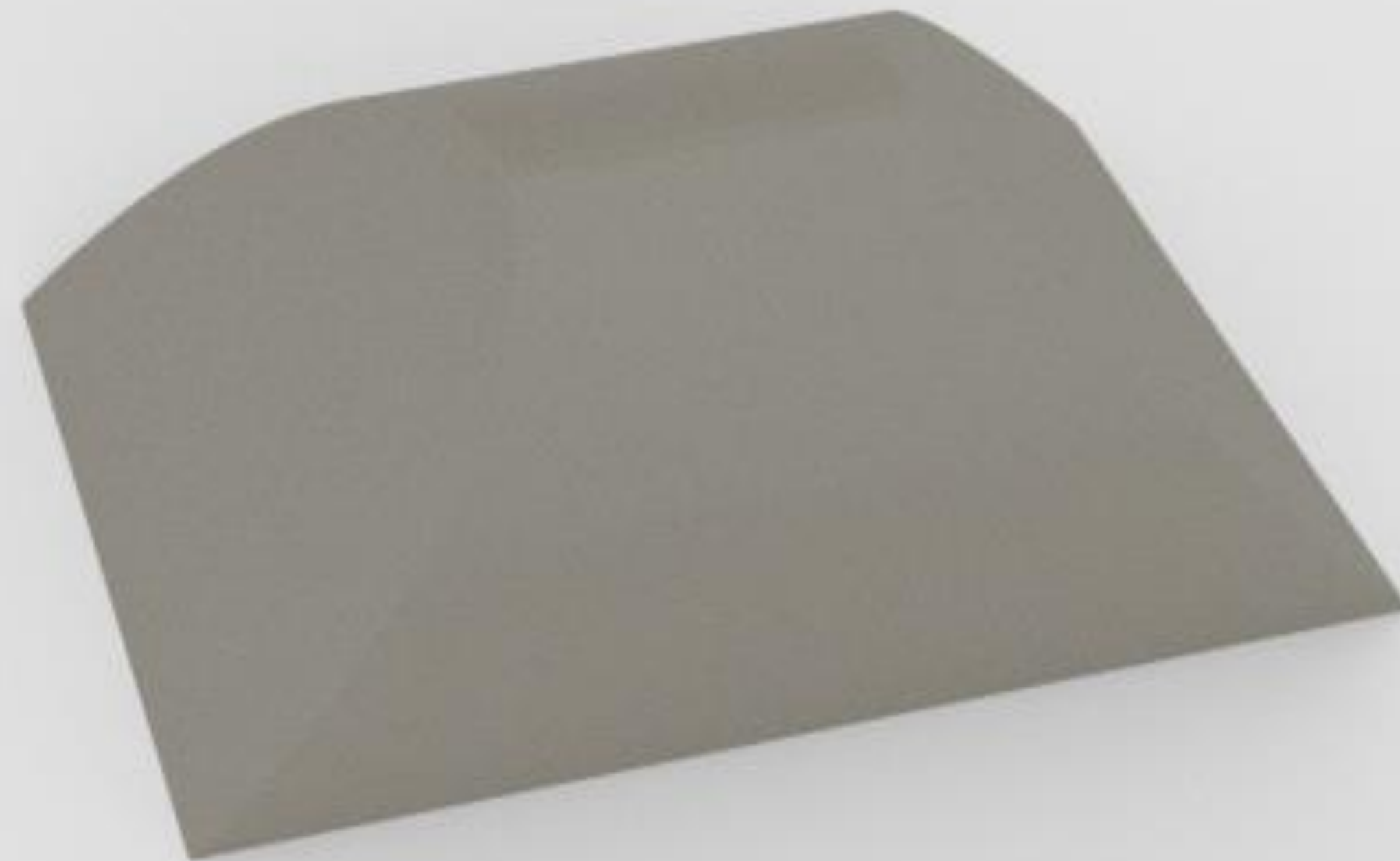
Exerc. 8 - Abóbadas - Rhino





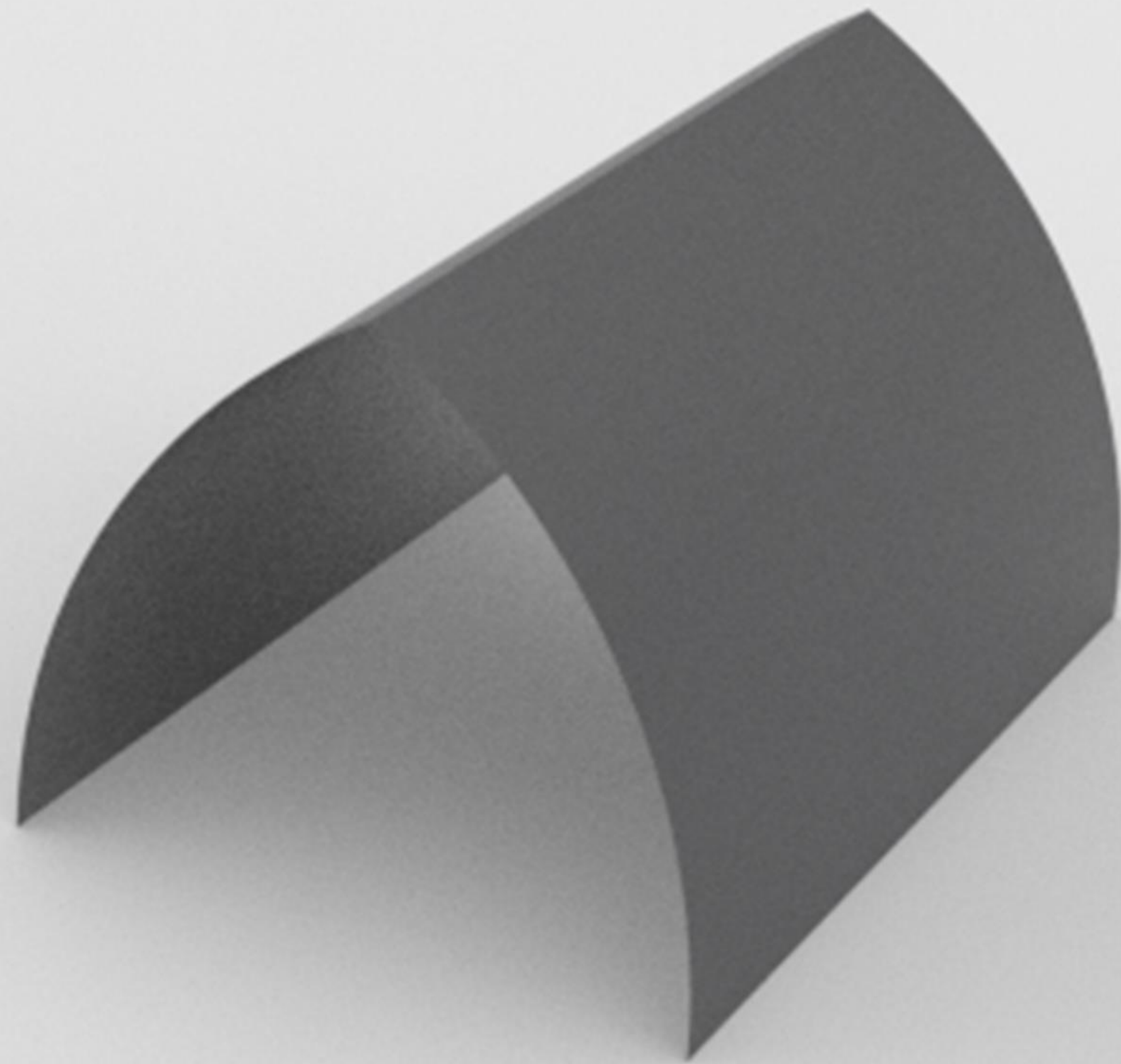
Exerc. 8.1 – Abóbada de Berço





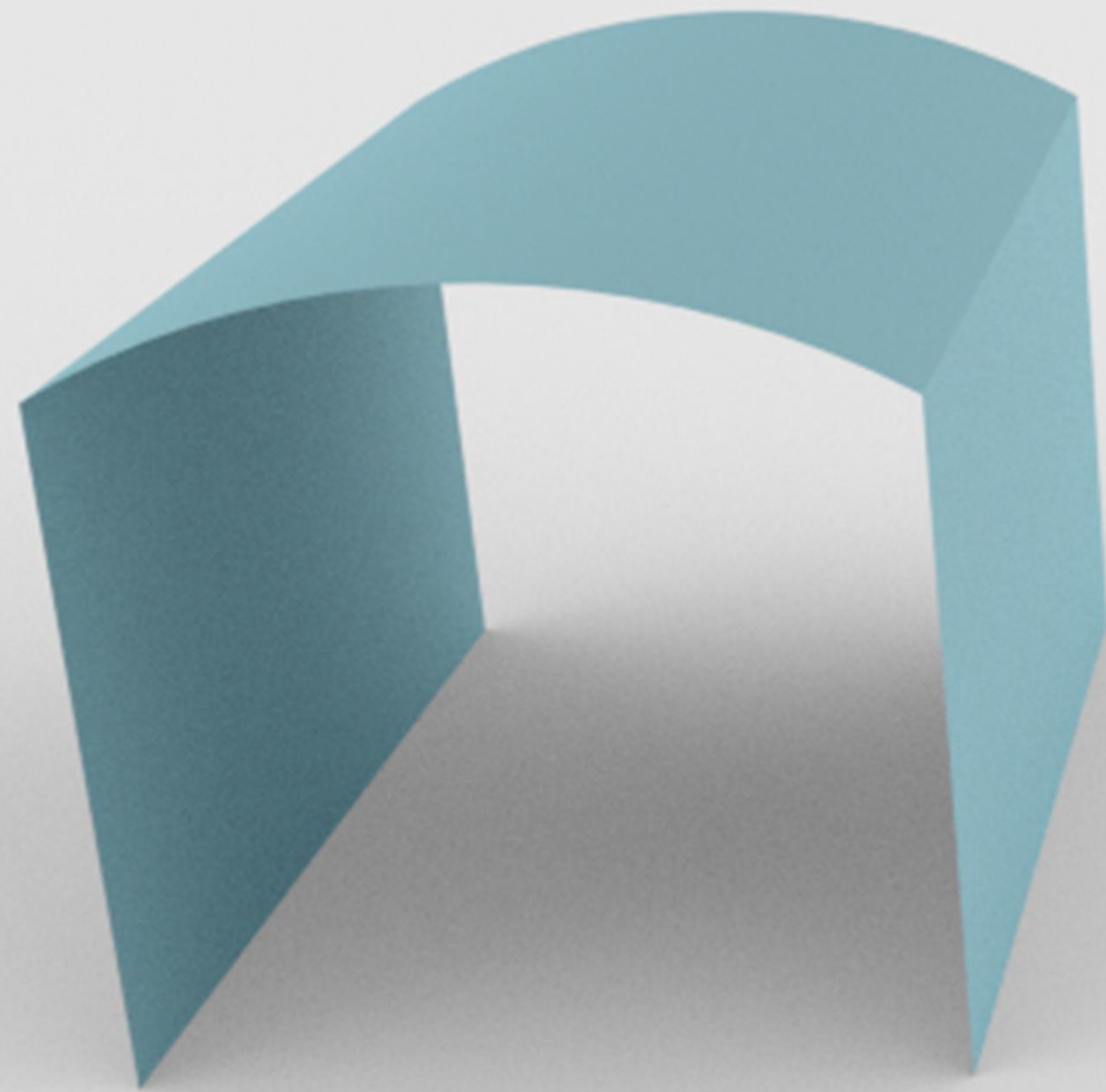
Exerc. 8.2 – Abóbada de Cisterna





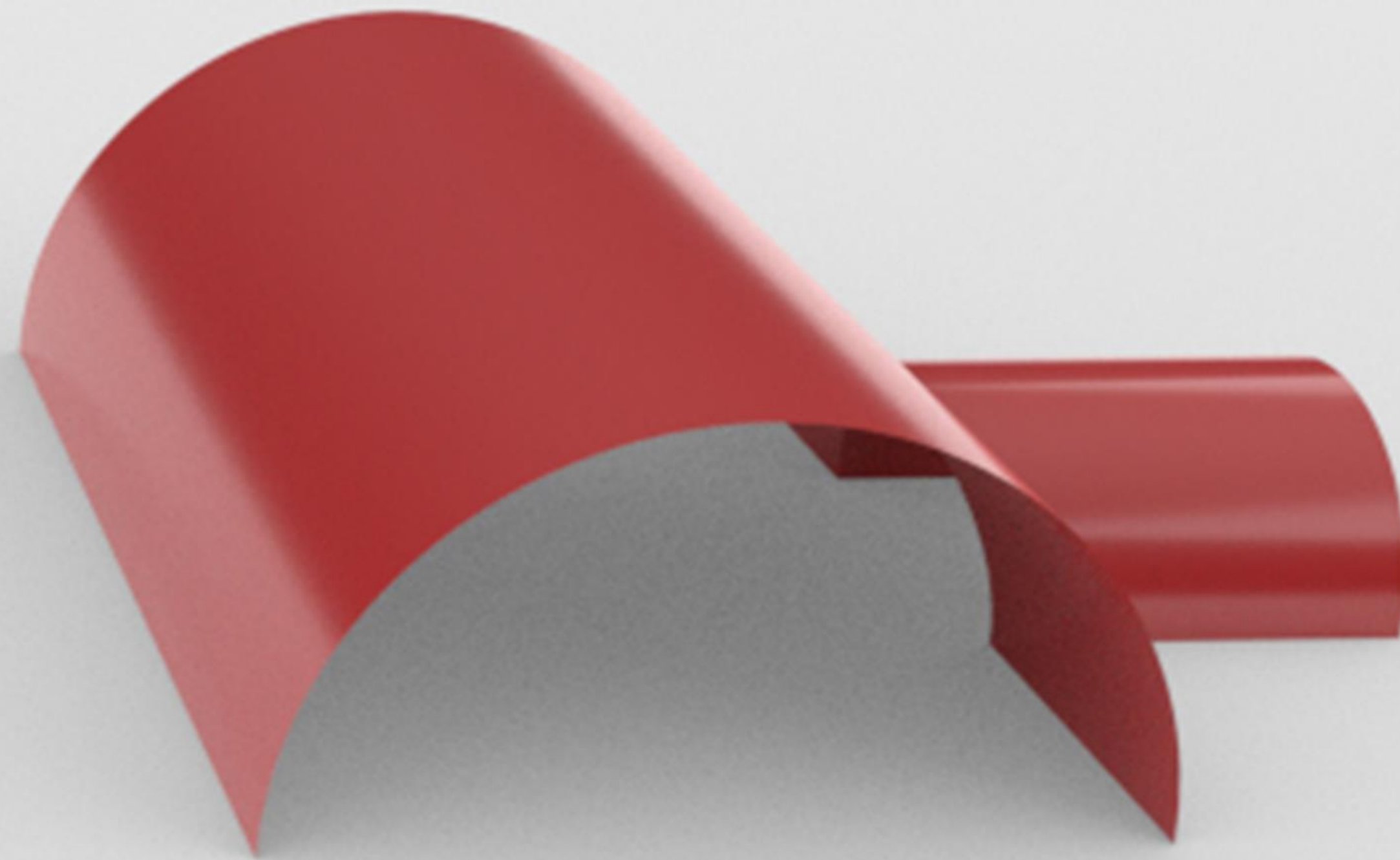
Exerc. 8.3 – Abóbada de Ogiva





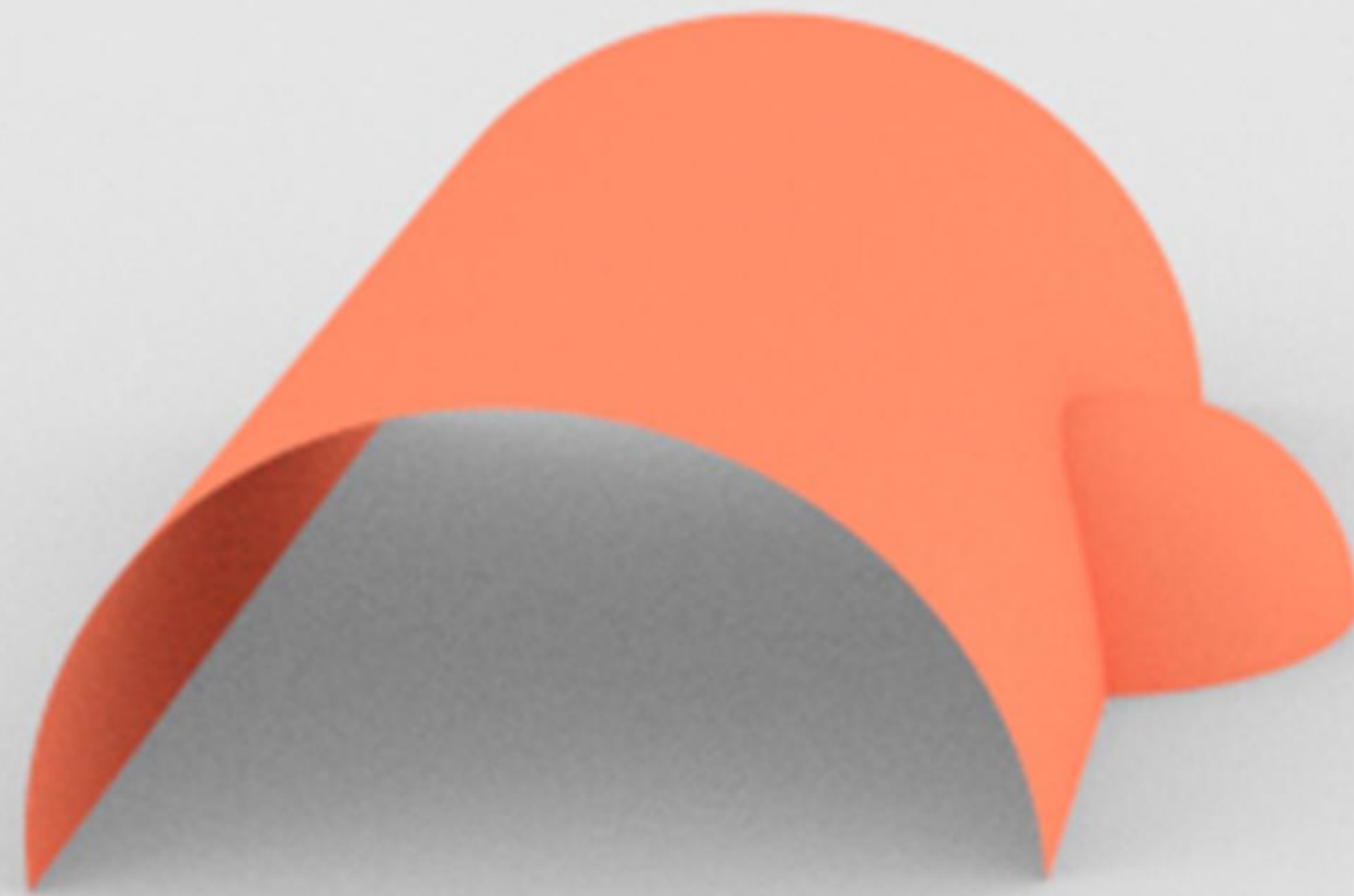
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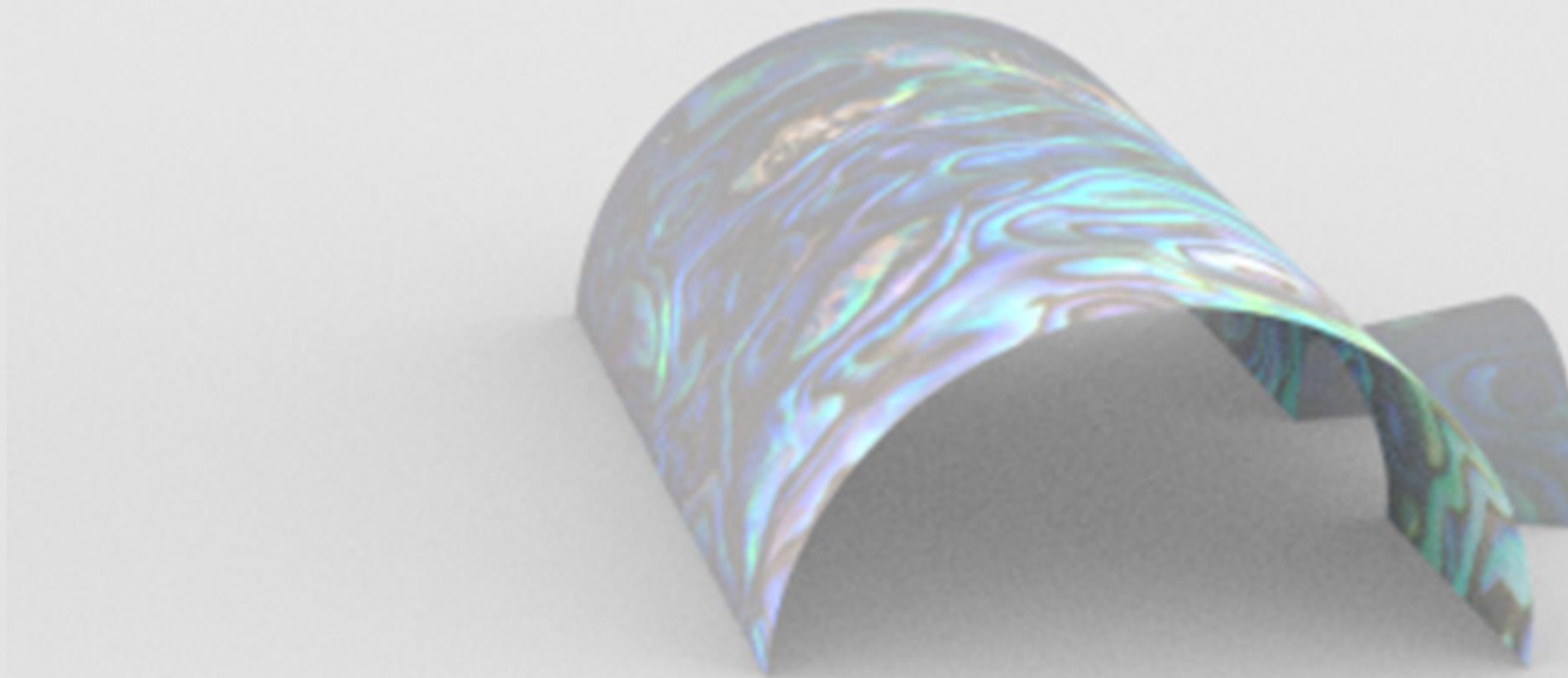
Exerc. 8.5 - Luneta Cilíndrica





Exerc. 8.6 – Luneta Esférica





Exerc. 8.7 – Luneta Cónica









Exerc. 8.9 – Abóbada Helicoidal