

2020-05616 Morphological operations

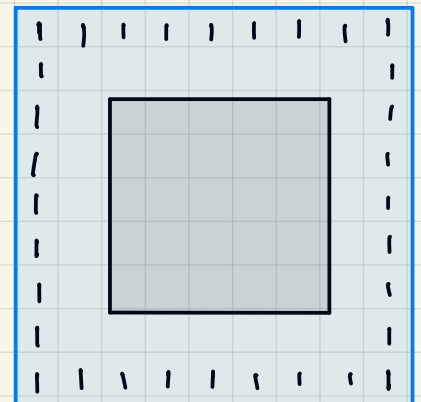
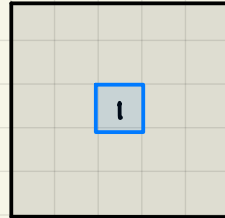
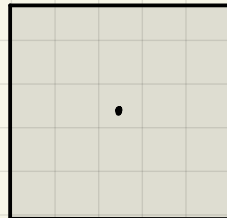
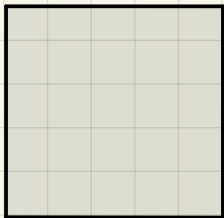
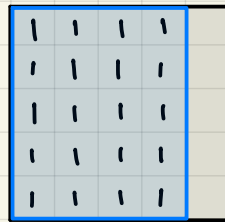
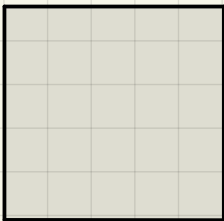
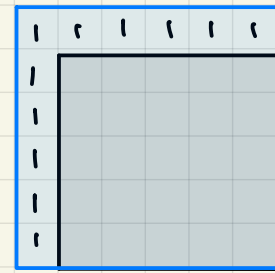
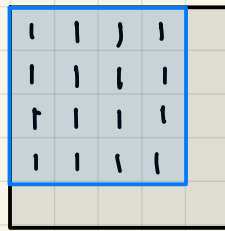
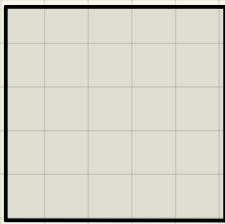
Dilation - hit or fit ; Erosion - fit only

5 by 5 square

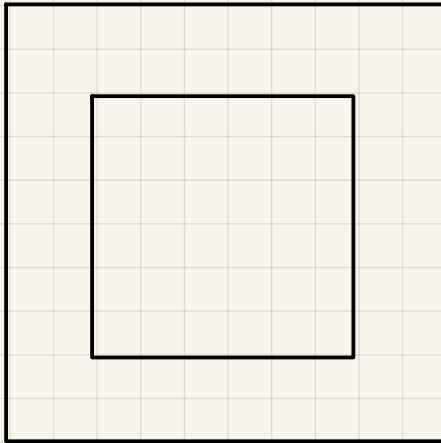
Element

Erosion

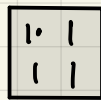
Dilation



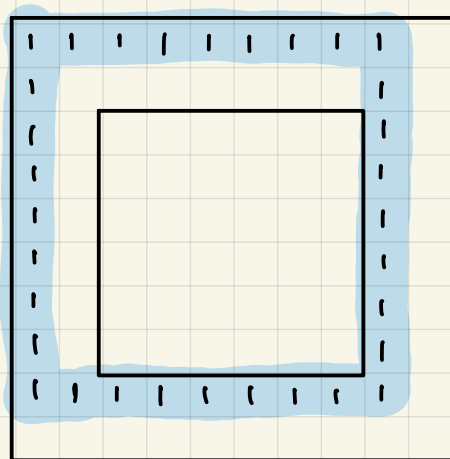
Hollow 10 x 10 square



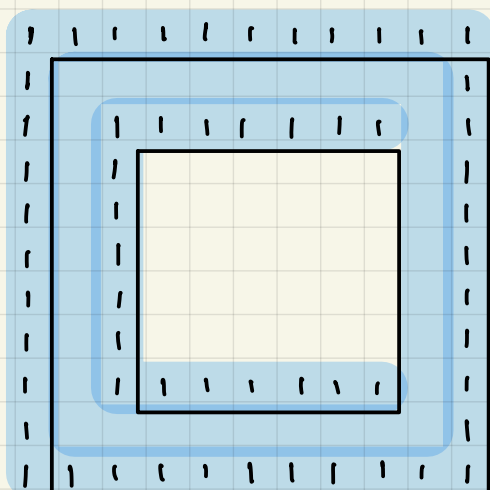
Element



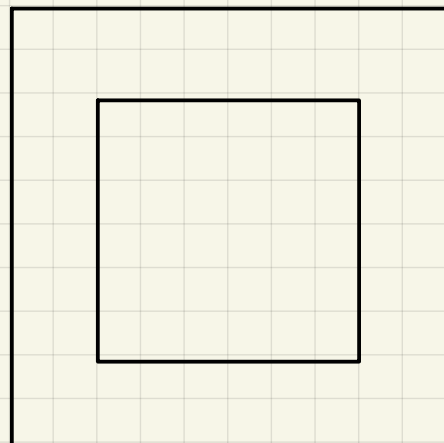
Erosion



Dilation



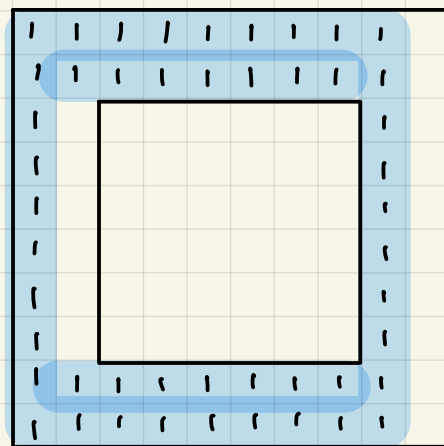
Hollow 10 x 10 square



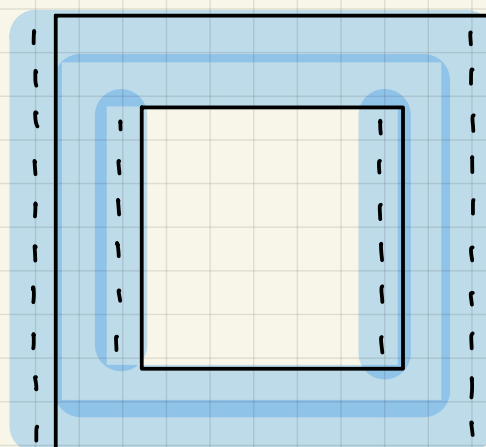
Element



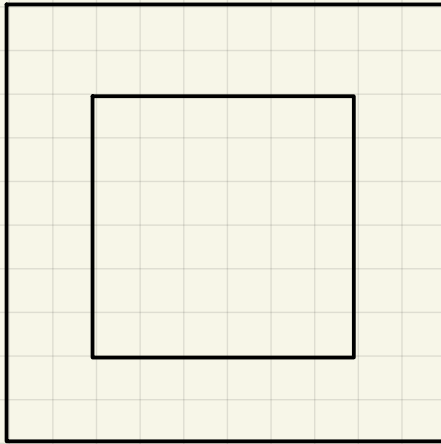
Erosion



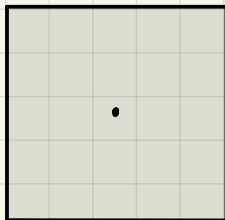
Dilation



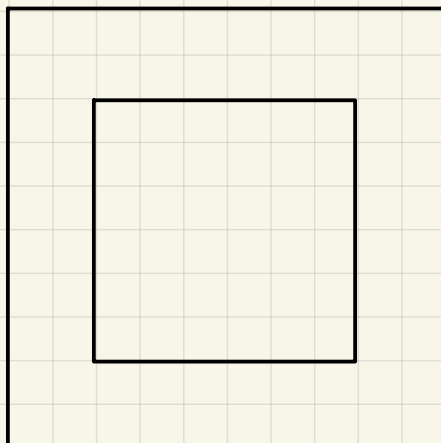
Hollow 10 x 10 square



Element

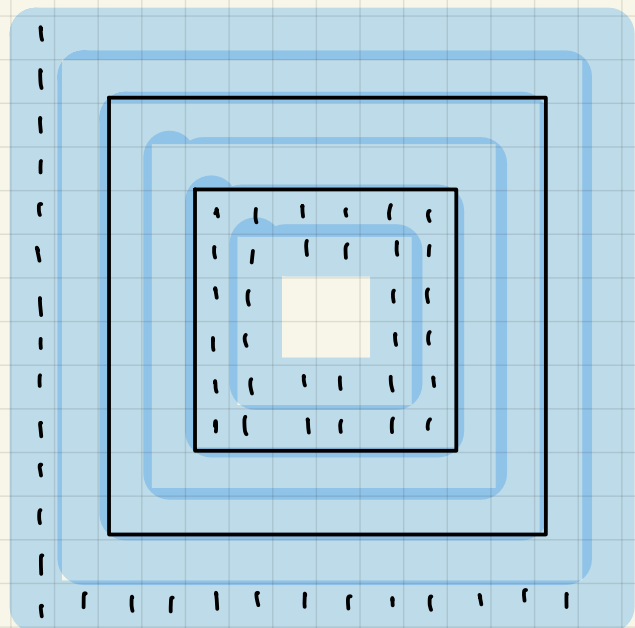


Erosion

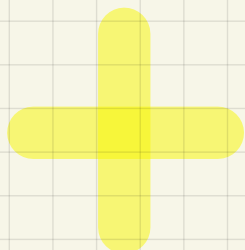


no figure formed

Dilation



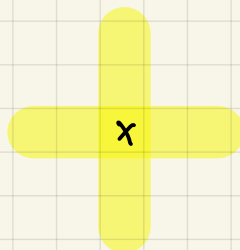
Plus sign



Element

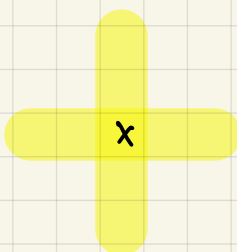
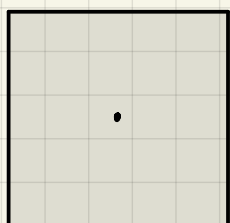
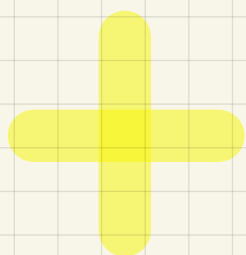
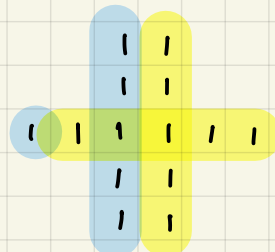
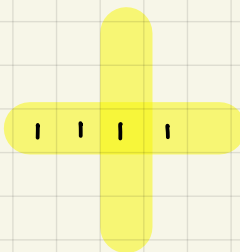
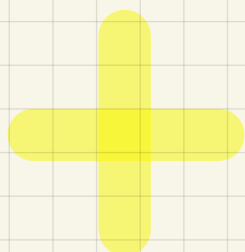
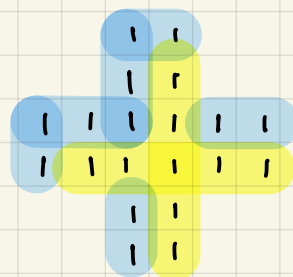


Erosion

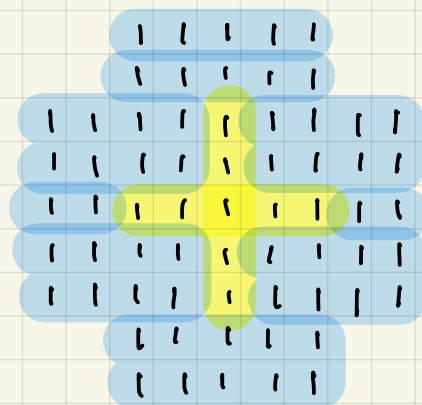


no figure formed

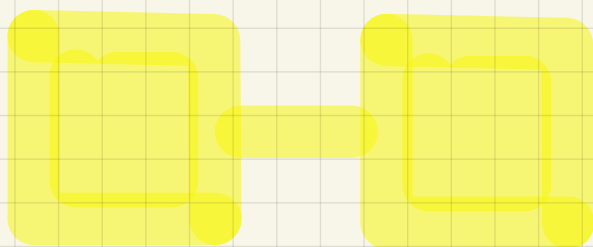
Dilation



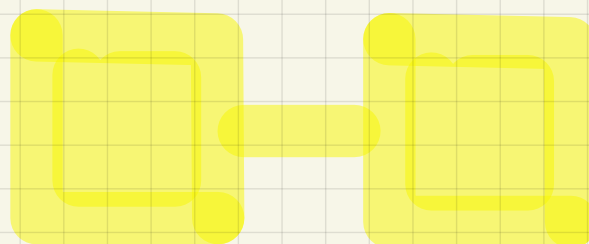
no figure formed



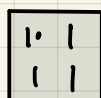
Dumbell



Dumbbell



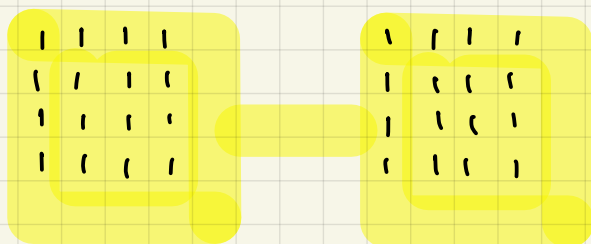
Element



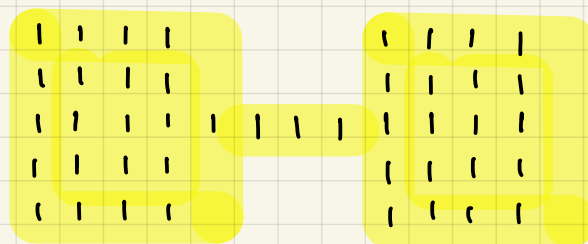
Element



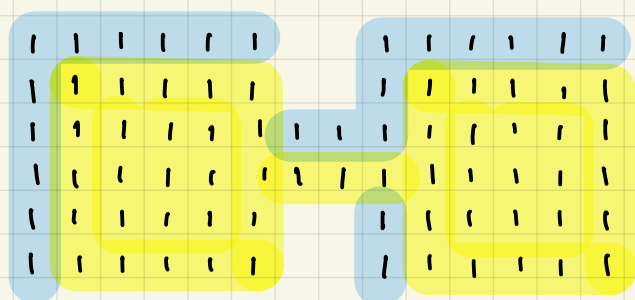
Erosion



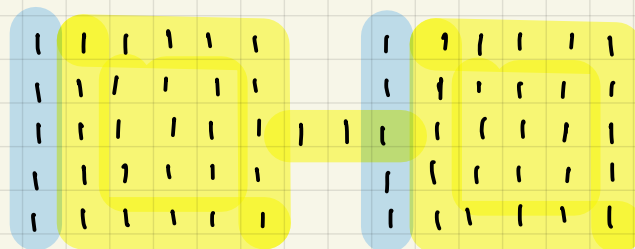
Erosion



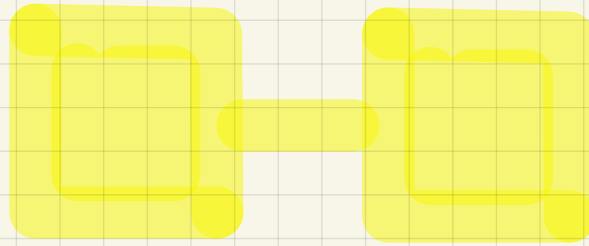
Dilation



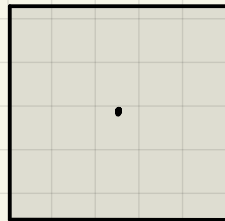
Dilation



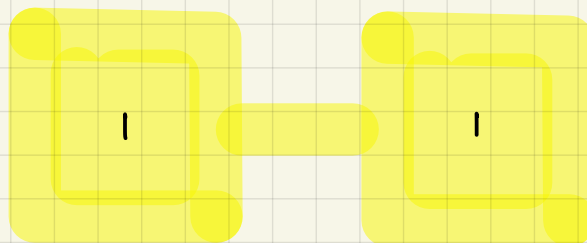
Dumbbell



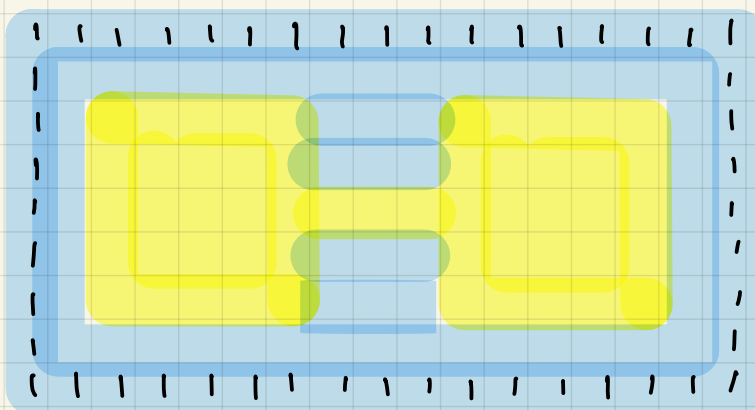
Element



Erosion



Dilation



rectangle formed!