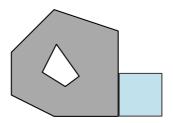
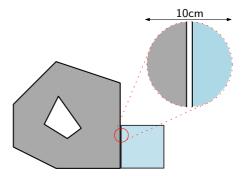
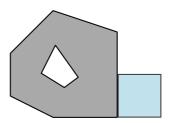
$\hbox{A CompositeSolid should be connected}\\$



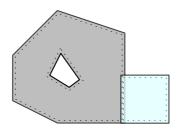
A CompositeSolid should be connected



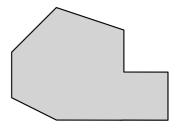
Dilation by 2cm



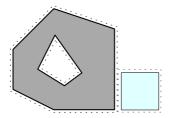
Dilation by 2cm



Union forms one Solid, thus valid



Erosion by 2cm to verify overlap



 ${\tt CompositeSolid} \ is \ valid \ with \ a \ tolerance \ of \ 2cm!$

