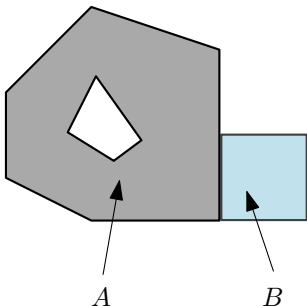


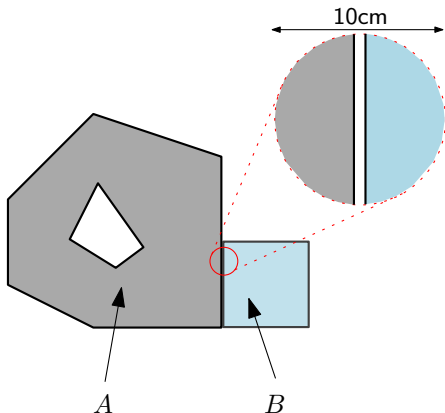
A CompositeSolid should have the following:

1. $A^o \cap B^o = \emptyset$
2. $A \cup B = \text{one Solid}$



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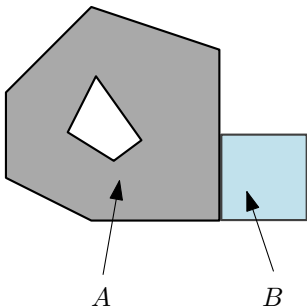


$$A^o \cap B^o = \emptyset$$

$$A \cup B = \text{two Solids}$$

A CompositeSolid should have the following:

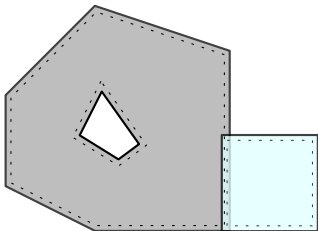
1. $A^o \cap B^o = \emptyset$
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A CompositeSolid should have the following:

1. $A^o \cap B^o = \emptyset$
2. $A \cup B = \text{one Solid}$

Dilation by 2cm

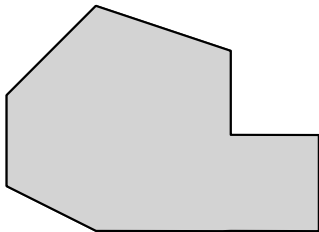


$$A^o \cap B^o = \emptyset$$

$$A \cup B = \text{one Solid}$$

A CompositeSolid should have the following:

1. $A^\circ \cap B^\circ = \emptyset$
2. $A \cup B = \text{one Solid}$

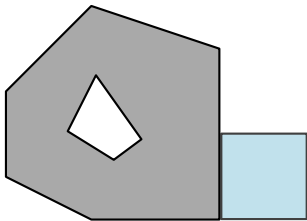


Dilation by 2cm

$$A^o \cap B^o = \emptyset$$

$$A \cup B = \text{one Solid}$$

Erosion by 2cm to verify overlap



$$A^o \cap B^o = C \text{ (one Solid)}$$

CompositeSolid is valid with a tolerance of 2cm!

