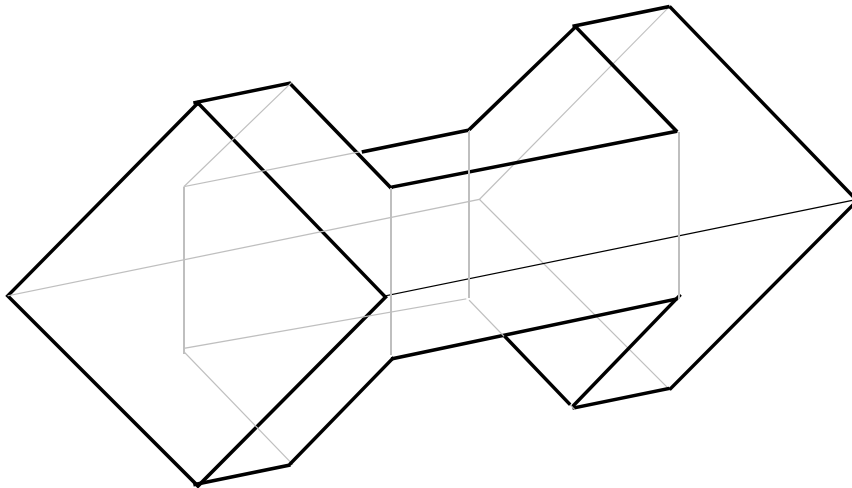
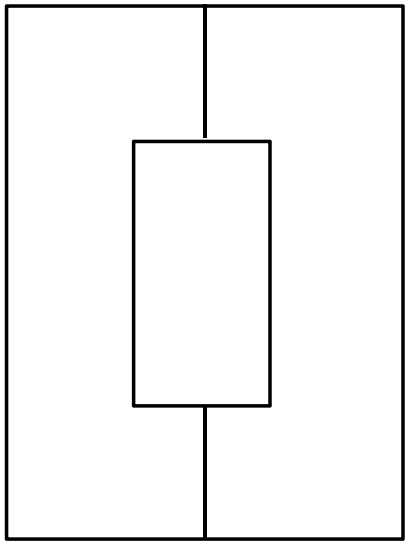
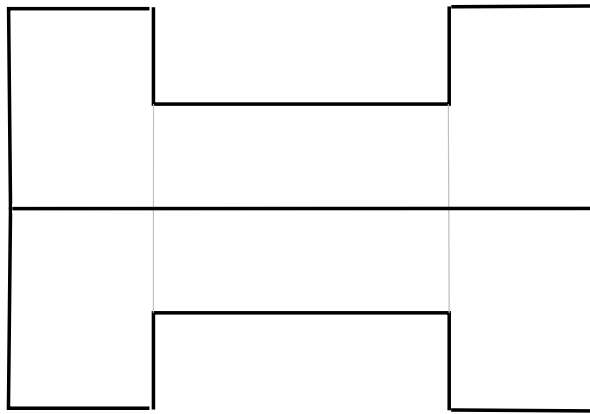
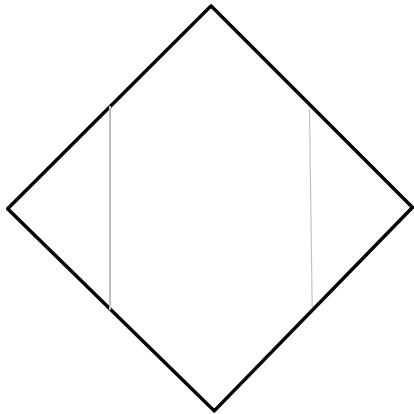
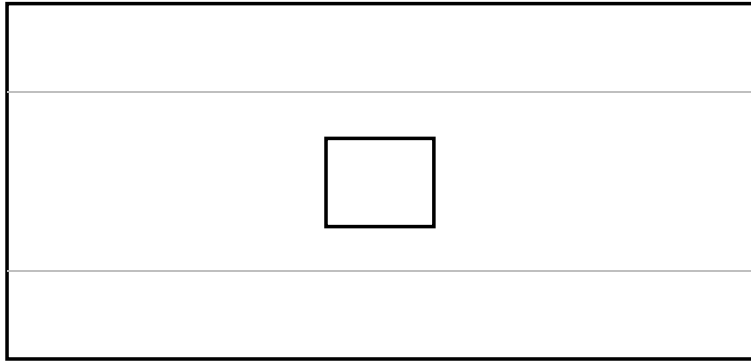
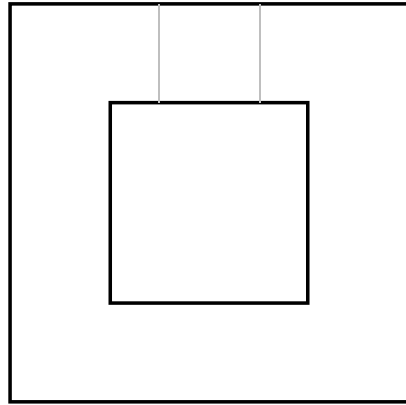
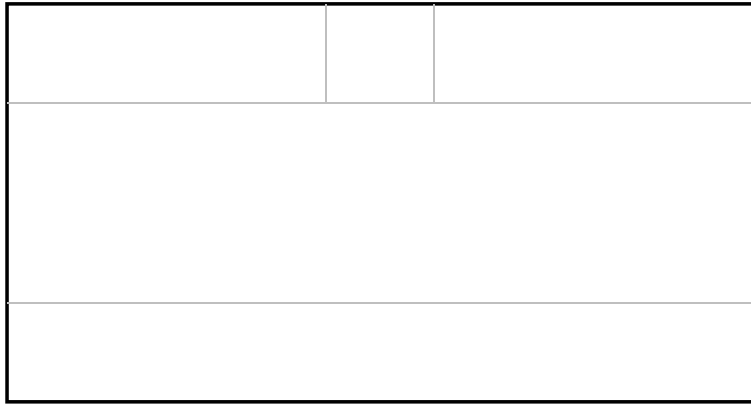


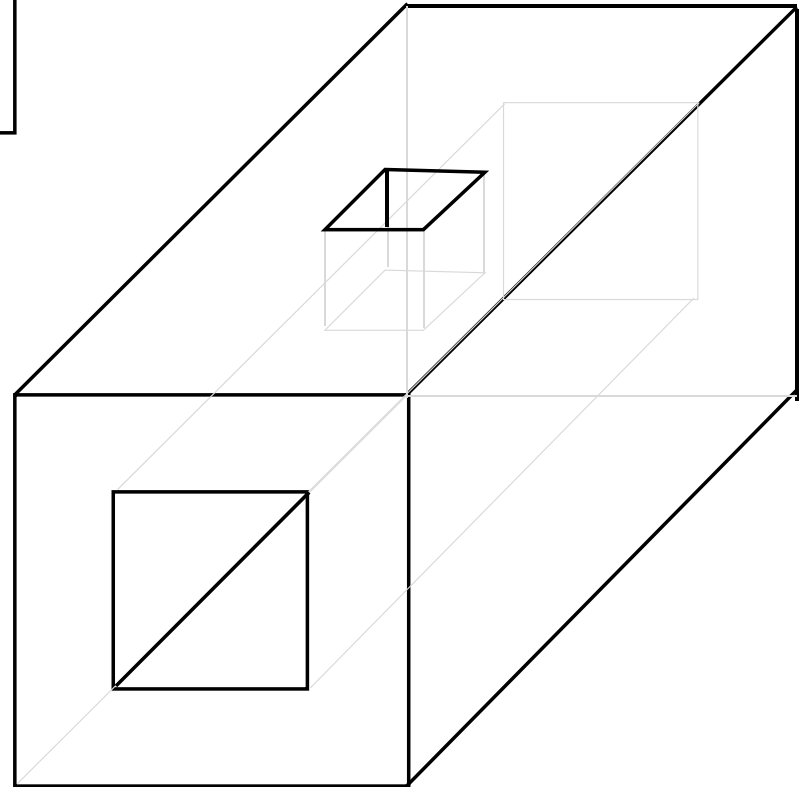
Prove that the represented object is valid, in accordance to the Euler's Formula

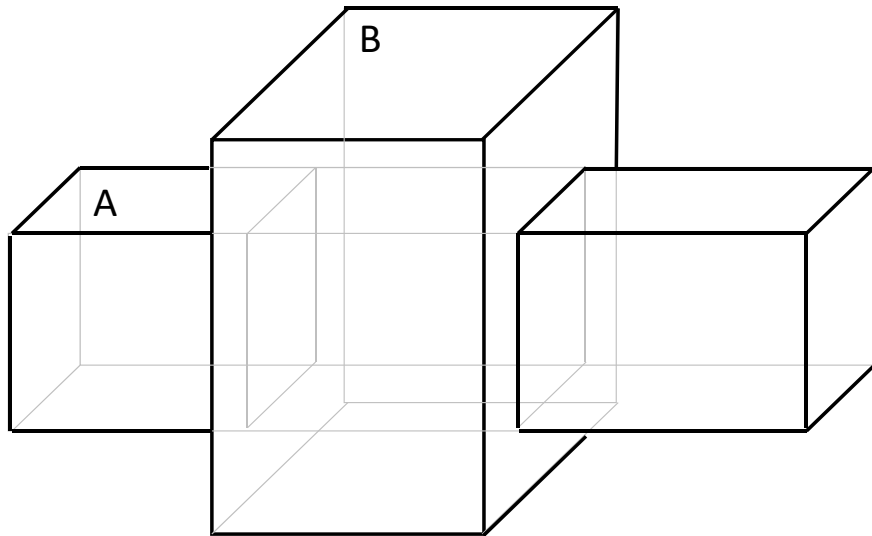
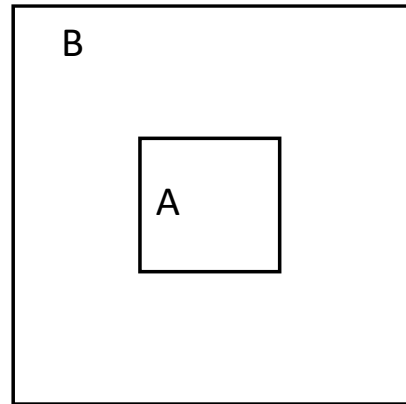
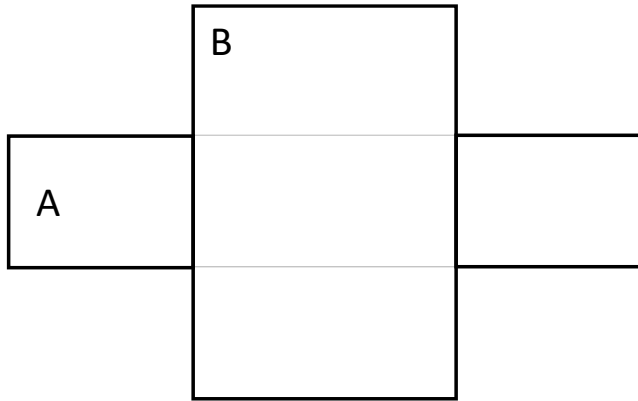


Prove that the represented object is valid, in accordance to the Euler's Formula



Prove that the represented object is valid, in accordance to the Euler's Formula





For each of the following 4 situations expressed in terms of the Boolean Operators, draw the resulting object and prove that it is valid according to the Euler's Formula:

- $C = A \cup B$
- $D = A \cap B$
- $E = A - B$
- $F = B - A$