Question 8

Q: How to smoothly connect two apart faces having different shapes?

A:

Measure 1: Lofting can do that. Note that if the number of vertices differs, additional vertexes must be created for their matching; otherwise, lofting may fail or mesh errors may occur.

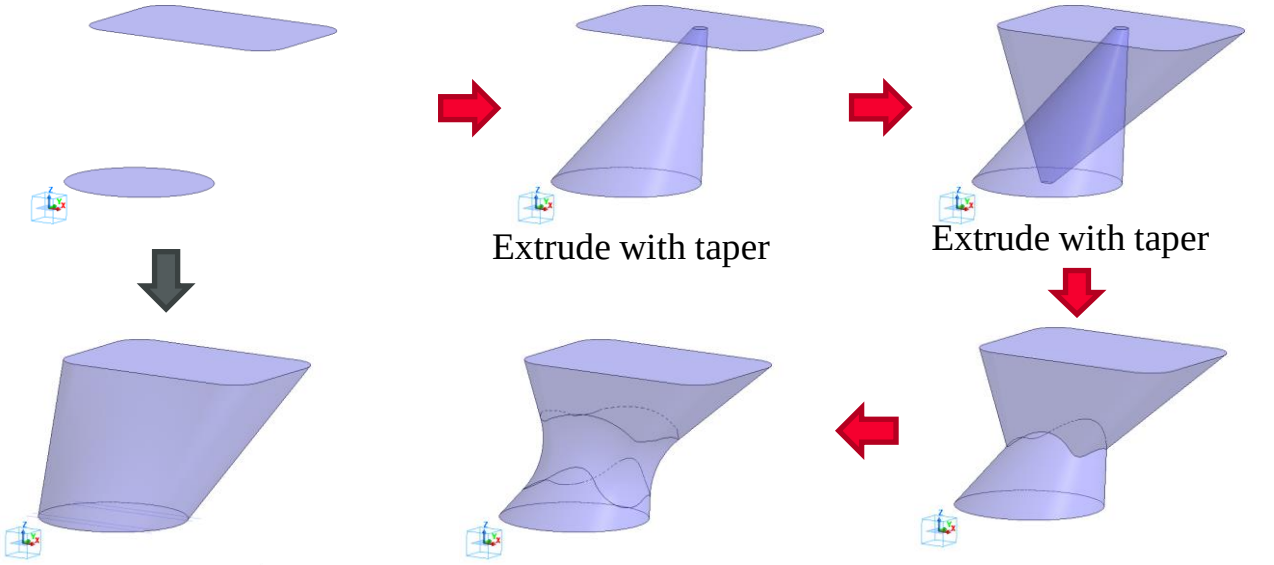
Measure 2:

- Extrude with taper from each side to the opposite side (using a similarity scale factor of 1 or less).
- Perform the unite boolean operation.
- Apply fillets at the boundary lines.

The two faces are connected using a smooth and sweeping shape, similar to that created during soldering.

Please refer to the next slides.

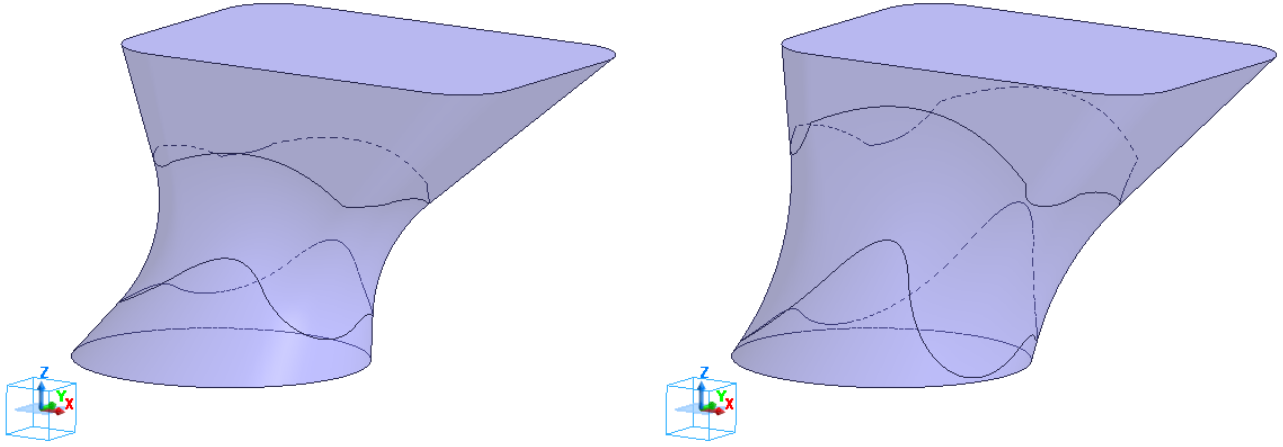
Smoothly connect two apart faces having different shapes like soldering.



The number of vertices must match between two faces. Otherwise, lofting may fail or mesh errors may occur.

Similar to the shape created during soldering

Smoothly connect two apart faces having different shapes like soldering.



Adjust the sweeping shape by similarity scale factor or fillet size.