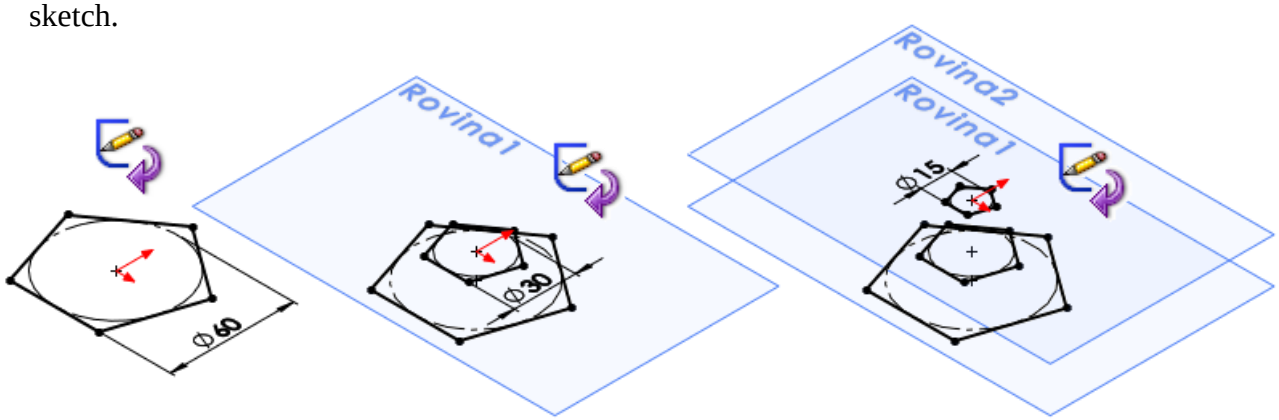
PHILOSOPHY CREATING ELEMENT BY CONNECTION OF PROFILES

Prvky

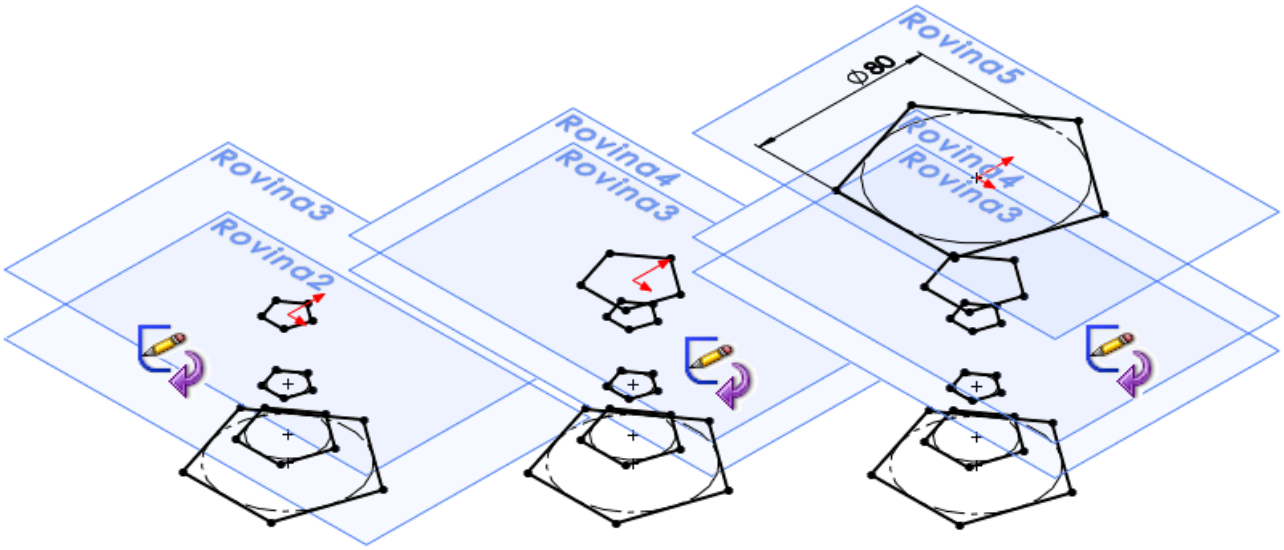
Přidání spojením profilů

Working procedure:

1. In **Upper** plane draw profile of pentagon. Diameter of inscribed circle is 60mm. Close the sketch.

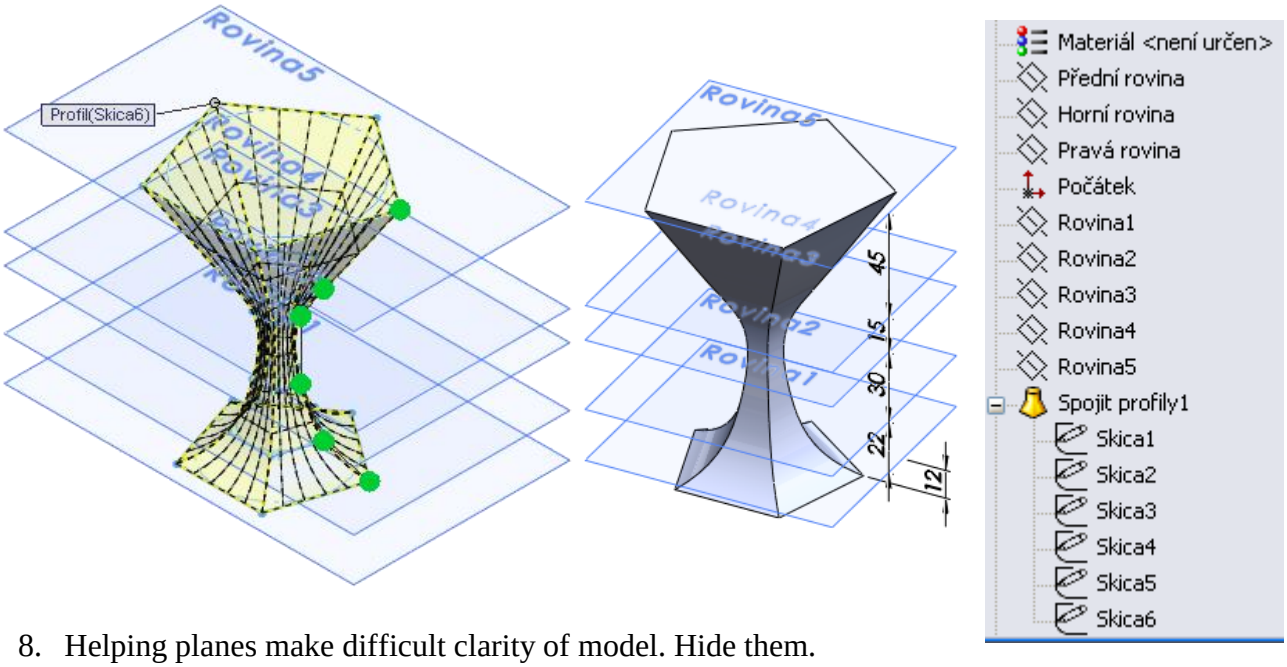


2. Construct parallel helping **Plane 1** to **Upper** plane in distance of 12 mm. Validate the plane. Draw the sketch of pentagon profile in the plane with the size of inscribed circle 30 mm. Close the sketch.
3. Construct parallel helping **Plane 2** to **Plane 1** in distance of 22 mm . Validate the plane. Draw the plane of pentagon with the size of inscribed circle 15 mm. Close the sketch.



4. Construct parallel helping **Plane 3** to **Plane 2** in distance of 30 mm . Validate the plane. Copy Sketch 3 onto Plane 3. Close the sketch.
5. Construct parallel helping **Plane 4** to **Plane 3** in distance of 15 mm . Validate the plane. Copy sketch 2 onto Plane 4. Close the sketch.

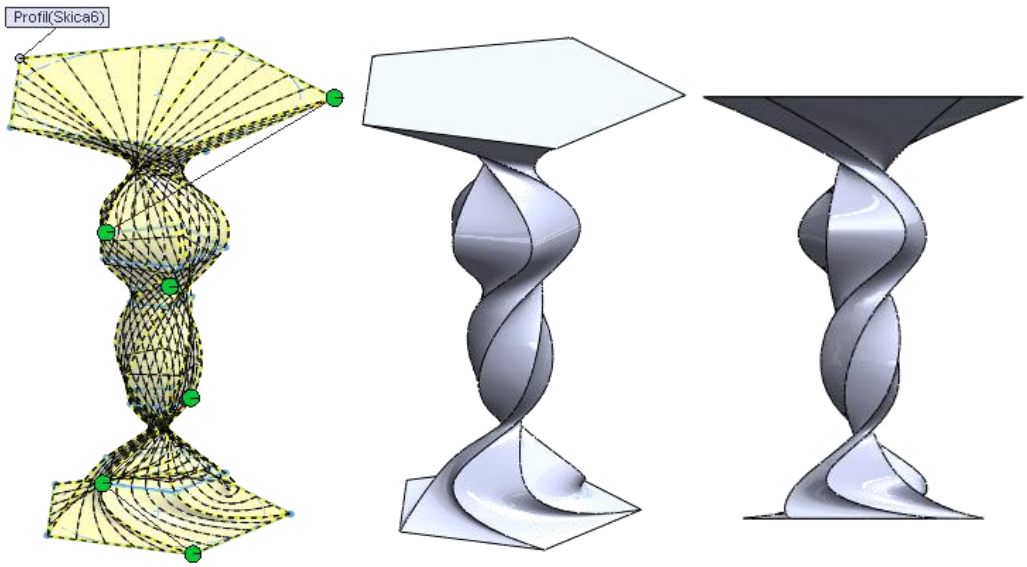
6. Construct parallel helping **Plane 5** to **Plane 4** in distance of 45 mm. Validate the plane. Draw the sketch of pentagon profile in the plane with the size of inscribed circle 15 mm. Close the sketch.
7. Choose the command **Adding by connection of profiles** from the choice of elements. Label particular profiles of the sketches, checked points to be lying in one line (on surface) .If this condition is not complied, element of the part is twisted. If the profiles are connected correctly, preview is displayed. Validate it.



8. Helping planes make difficult clarity of model. Hide them.

Note:

If the labeling points in one line is not kept , element can be deformed. When points are checked, system automatically makes an own guide curve, in which way system connects particular sketches of profiles



If you create an own guide curve, system will connect profiles by this.