Construct the intersection of a cone with plane. The plane is given by the pair of intersecting lines  ${\sf a}$  and  ${\sf b}$ .

Construct: - the major and minor axes of the ellipse

- with the axis-points and tangents,
- the points on the outline generators,
- points in three different levels
- and the tangents at one of these points.

Construct the vertices of the second image of the ellipse.

Show the visibility of the curve on the cone.