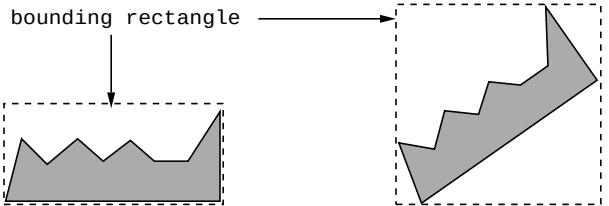

A polygon and
its bounding rectangle

After rotating polygon
35 degrees around its center