Topic: **Heuristics**

Station **Inside and outside**

In the left hand figure, to get from the inside point to the outside point we make one border crossing. If we distort the loop, as in the right hand figures, we introduce extra pairs of crossings, never single ones. As a result, the number of crossings we must make to get from the inside to the outside of a simple closed curve (one which does not cross itself) is always an odd number.