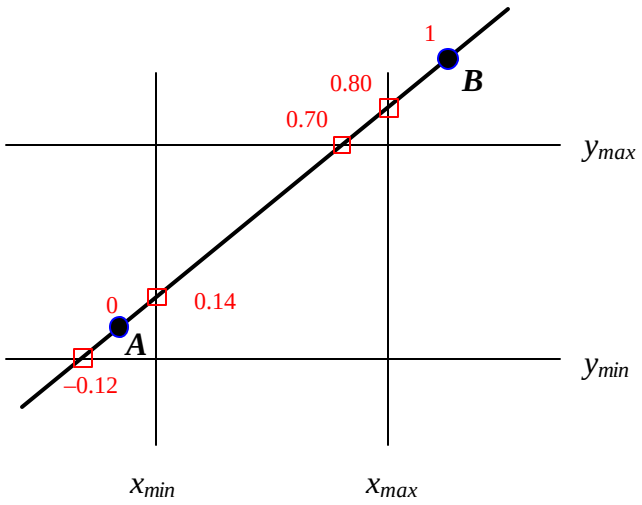
# NKU CSC 480
# Liang-Barsky Clipping [see **LiBar.h** on the website]

---

Use parametric equation for a line: $\boldsymbol{P}(t)= (1-t)\boldsymbol{A} + t\boldsymbol{B}$.
Example:




A pipeline of 4 edge tests (6 in 3D):

| | |
|---|---|
| [ 0, 1 ] | original |
| → [0.14, 1 ] | after parametric clipping against $x_{min}$ |
| → [0.14, 0.80] | after parametric clipping against $x_{max}$ |
| → [0.14, 0.80] | after parametric clipping against $y_{min}$ |
| → [0.14, 0.70]. | after parametric clipping against $y_{max}$ |

Each edge test has the following setup: