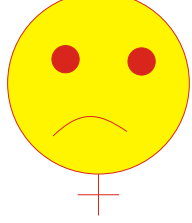
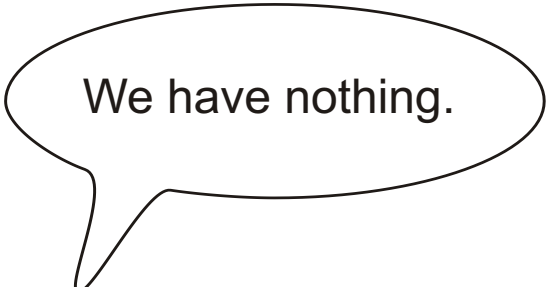
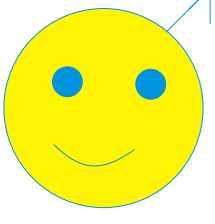
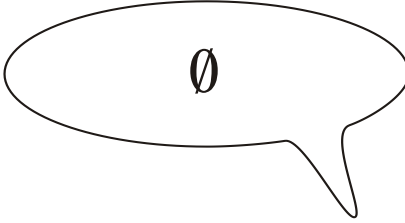
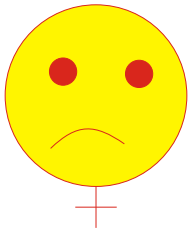
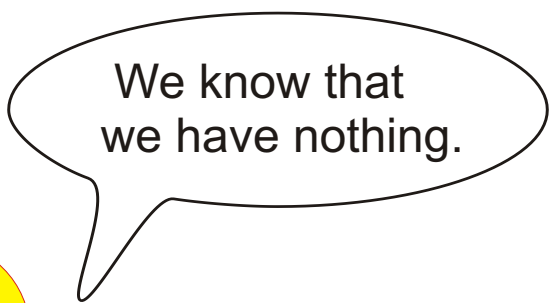
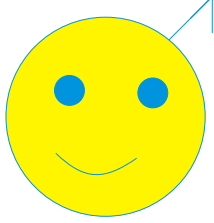
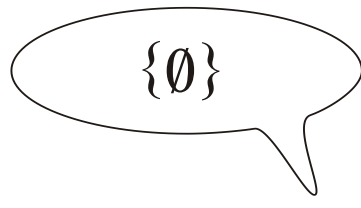


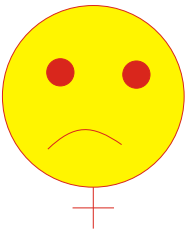
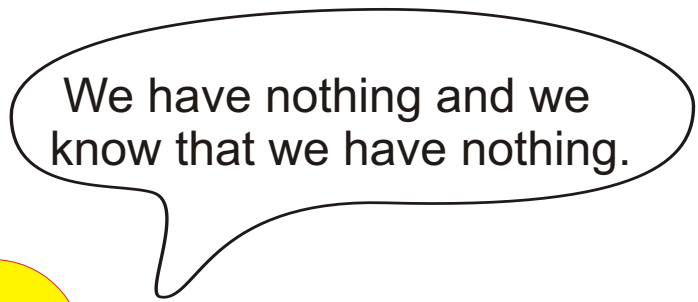
Is this the smallest uncountable set? (Continuum hypothesis, G. Cantor 1900).
 Cannot be disproved (K. Goedel 1940). Cannot be proved (P. Cohen 1963).

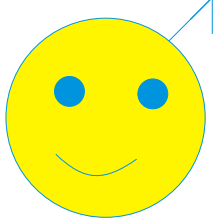
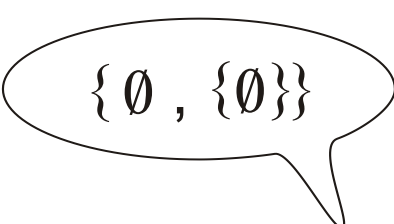



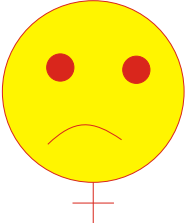



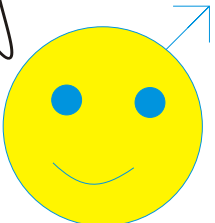
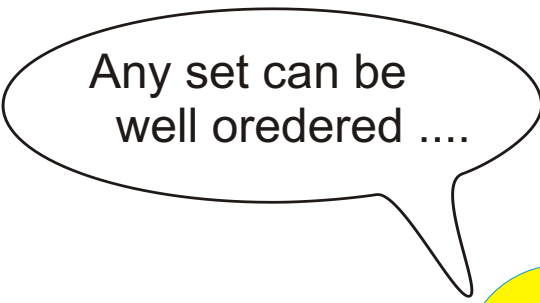



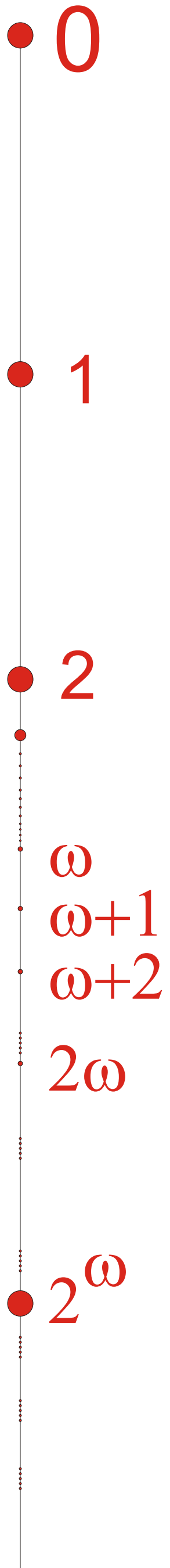





0 $1\sqrt{2}$ e π

$\mathbb{R}$



Well-ordering theorem (any set can be well-ordered)
 is equivalent to the Axiom of Choice (G. Cantor 1897).