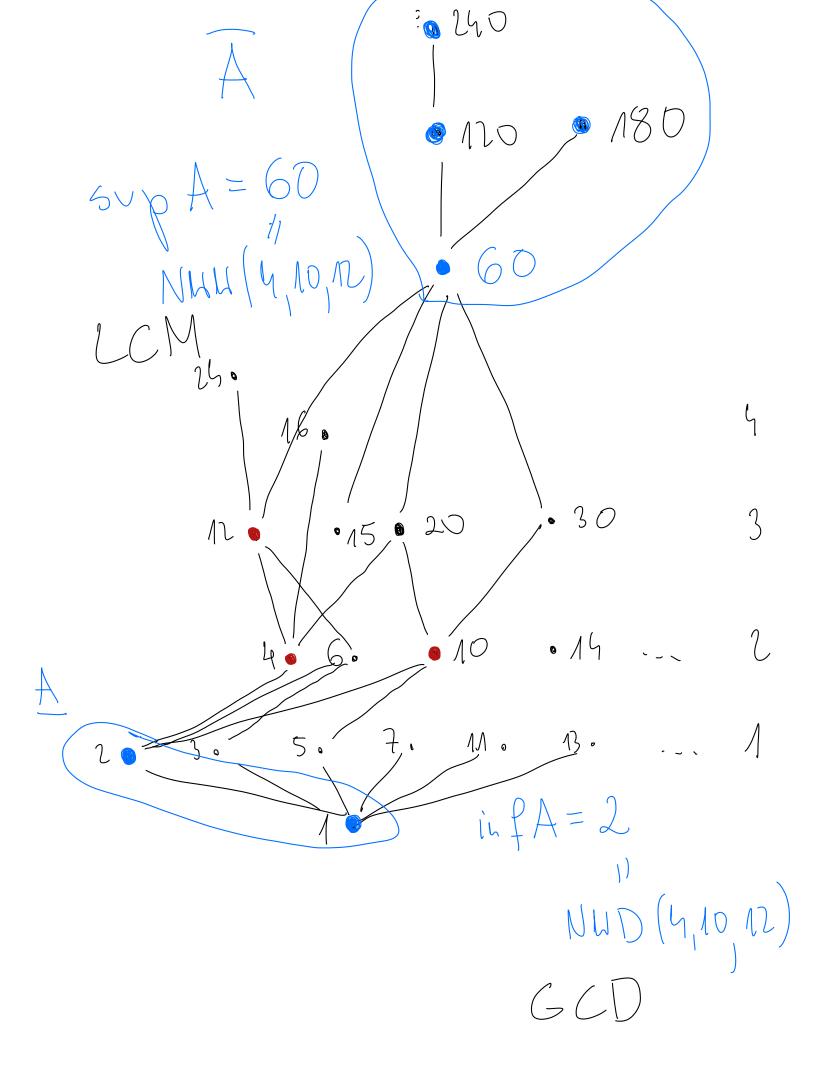


1)
$$(\mathbb{R}, \leq)$$
 $A = [0, 1)$
 $([0, 1), \leq)$
 $\overline{[0, 1)} = \{x \in \mathbb{R}: \bigwedge_{\alpha \in [0, 1)} \alpha \leq x\} = [1, +\infty)$
 $\sup_{\alpha \in [0, 1)} ([0, 1]) = 1$
 $[0, 1] = \{x \in \mathbb{R}: \bigwedge_{\alpha \in [0, 1)} x \leq \alpha\} = (-\infty, 0]$
 $\lim_{\alpha \in [0, 1)} A = \{1, 10, 12\}$
 $\lim_{\alpha \in [0, 1]} A = \{1, 10, 12\}$



Relage rounouoinosci (X)~ - 24rothe symetryana priedodnie abez arb = nla-b $a \sim b = kn$ e) zwothe? $A \approx 2$ $a \approx 2$ $a \approx 2$ $a \in 2$ $a \in 2$ (=) \(\mathbb{N} \) \(\mathbb{N} \) \(\mathbb{O} \) \((\mathbb{T}) \) .) symetry use? 162 b-a = (-1)·n

•) predodise? a~b, b~c =) a~c abrez $\sqrt{a-b=b-\sqrt{b-c=b-n}} = \sqrt{a-c=b-n}$ abice2 ke2 lier > a-c = (a-b)+(b-c) = kn+k'n = (k+k')n~ gest relagge rouwuainosci (\times,\sim) Klasa Labsrahogi, $\begin{bmatrix} x \end{bmatrix} = \left\{ y \in X : x \sim y \right\}$ b. [b]) [y]. T

Th. (2000 a abstraction) (
$$\times$$
, ~)

1) $\times \in [\times]$

2) $\times = [\times]$

2) $\times = [\times] \times [\times]$

3) $\times [\times] \times [\times] \times [\times] = \emptyset$

2biblion ilonations

(2, ~)

a ~ b $= [\times] \times [\times] \times [\times]$

[1] = $\{1, 5, -3, 9, -7, ...\} = \{4k+1, k\in 2\}$

[1] = $\{2, 6, 14, ..., -2, -6, -40, ...\} = \{4k+1, k\in 2\}$

[2] = $\{3, 7, 14, 15, ..., -4, -5, -9, ...\} = \{4k+1, k\in 2\}$

$$[4] = [0] = [-4] = [120] = ...$$

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Teoria liab $a|b| = \sqrt{b=ka}$ (2)19 = 3.5 + 4ilovar restp 19 5 Tu. (o daielein 2 resto) Jeieli m EZ i nEN to istnieje doltownie jedna para liab q, r EZ, the Horych W = 0, N + 2/ D < r < n. ilorer resite OVEZ

$$q = \frac{2}{\sqrt{2}}$$