

N°1.

$$A \vee (B \wedge \bar{C}) = 1 \Rightarrow B \wedge \bar{C} = 1 \Rightarrow B = 1, C = 0$$

$$\bar{A} \wedge (B \vee C) = 1 \Rightarrow A = 0, B \vee C = 1$$

N°2.

$$a \dot{\div} n \longrightarrow (a \dot{\div} u) \wedge (b \dot{\div} n)$$

$$\overline{(a \dot{\div} u) \wedge (b \dot{\div} u)} \longrightarrow \overline{a \dot{\div} u}$$

$$(a \dot{:} u) \vee (b \dot{:} u) \longrightarrow a \dot{\div} n$$

N°3.

$$a \cdot b = c \longrightarrow (a \leq \sqrt{c}) \vee (b \leq \sqrt{c})$$

$$\overline{(a \leq \sqrt{c}) \vee (b \leq \sqrt{c})} \longrightarrow \overline{a \cdot b = c}$$

$$(a > \sqrt{c}) \wedge (b > \sqrt{c}) \longrightarrow a \cdot b \neq c$$

$$a = \sqrt{c} + \varepsilon$$

$$b = \sqrt{c} + \varepsilon$$

$$a \cdot b > c$$

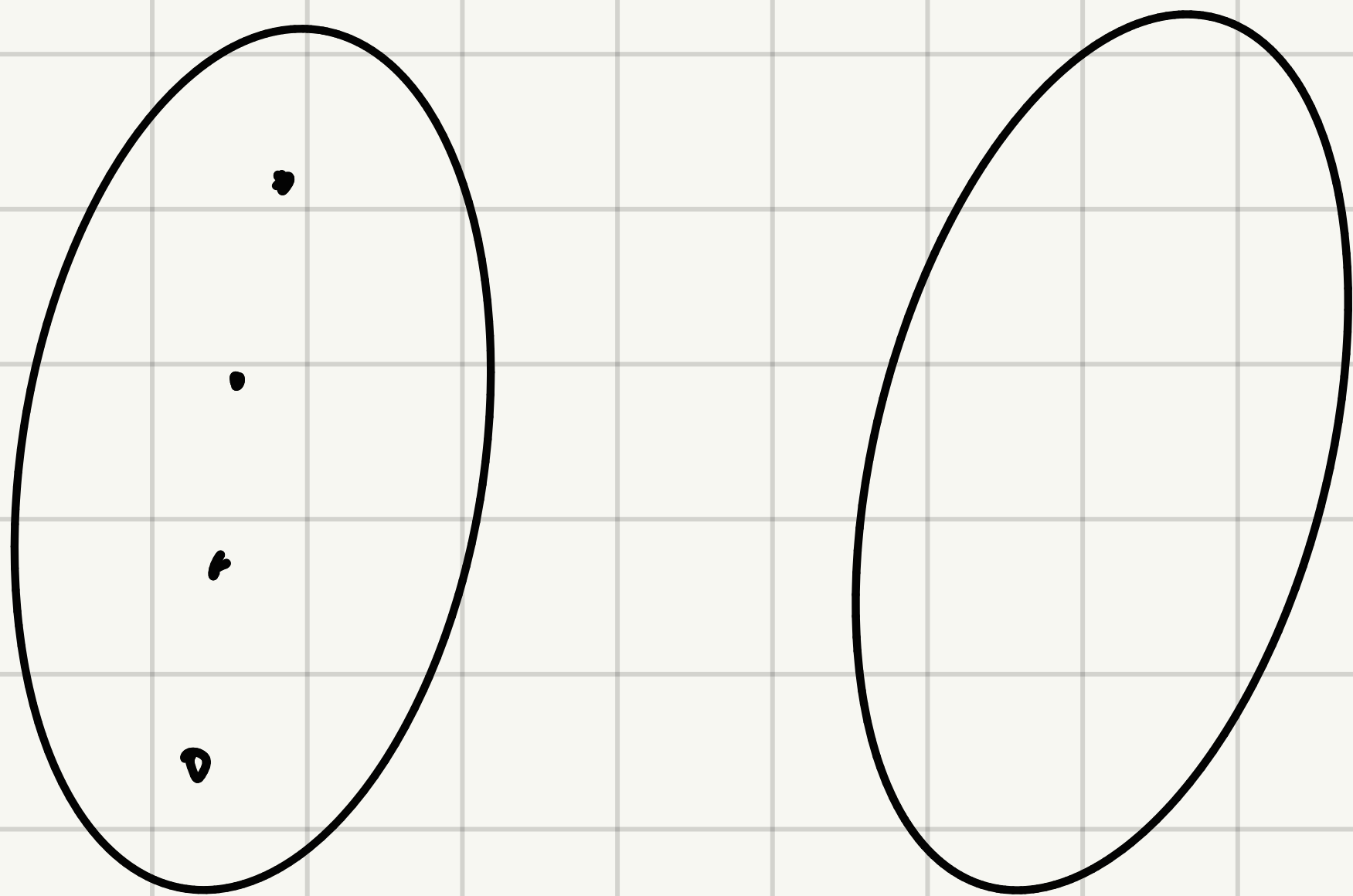
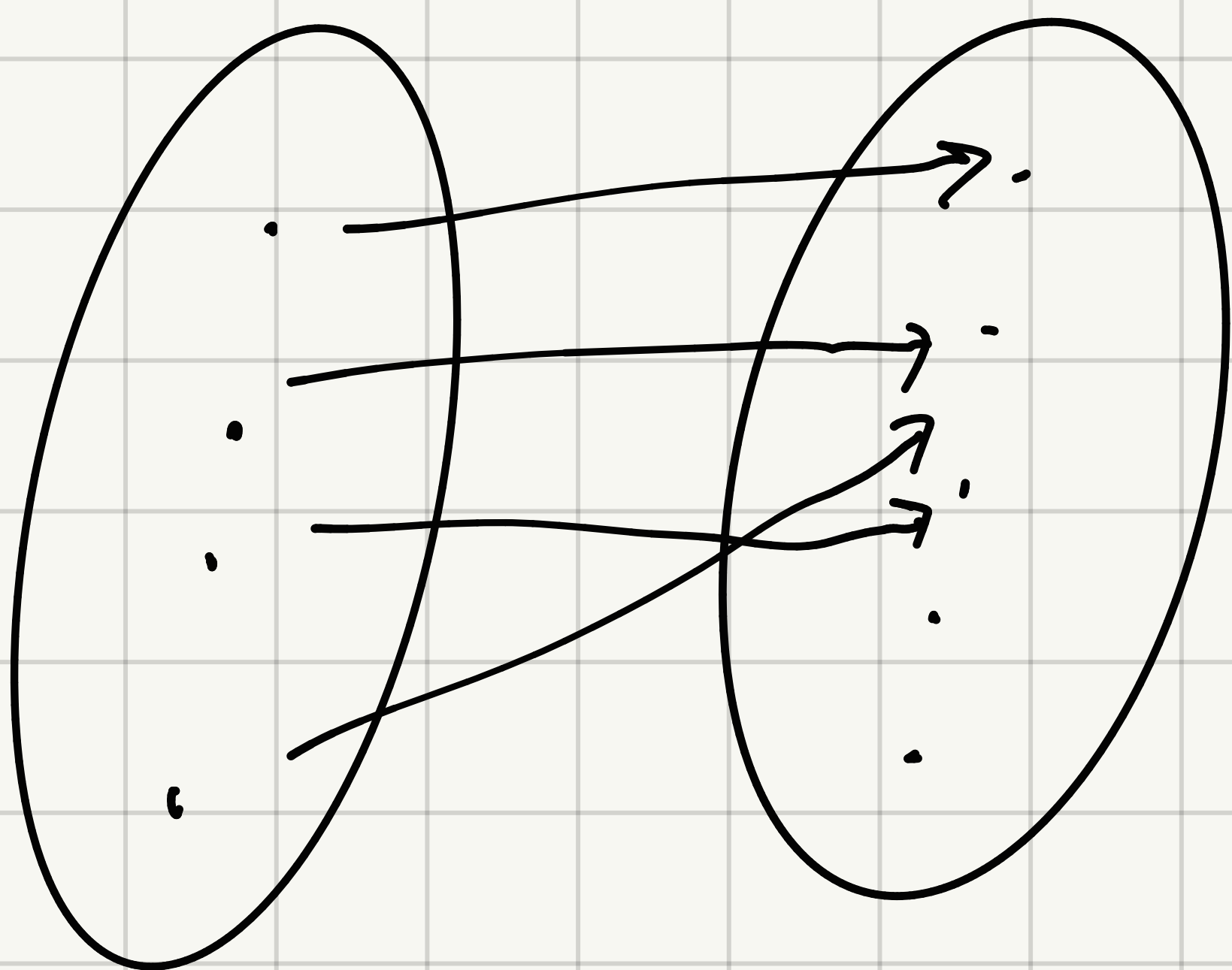
N°4.

$$\exists m, n \longrightarrow (m < n) \wedge (n^2 \dot{:} m) \wedge (n \dot{\div} m)$$

$$m \geq n \vee n^2 \nmid m \vee n : m \longrightarrow \forall m, n$$

$$2 \quad 4 \quad n^2 : m$$

$$n \nmid m$$



$$p \in \mathbb{Q}$$

$$r \in \mathbb{R} \setminus \mathbb{Q}$$

$$\text{Допустим } pr = p' \in \mathbb{Q}$$

$$\text{но св-ва все рав. значит } \frac{p'}{p} \in \mathbb{Q}$$

$$r = \frac{p'}{p} \in \mathbb{Q}$$

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