

Nº 1.

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

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

Nº 2.

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

$$\overline{(a : n) \wedge (b : n)} \longrightarrow \overline{a \dot{b} : n}$$

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

Nº 3.

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

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

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

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

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

$$a \cdot b > c$$

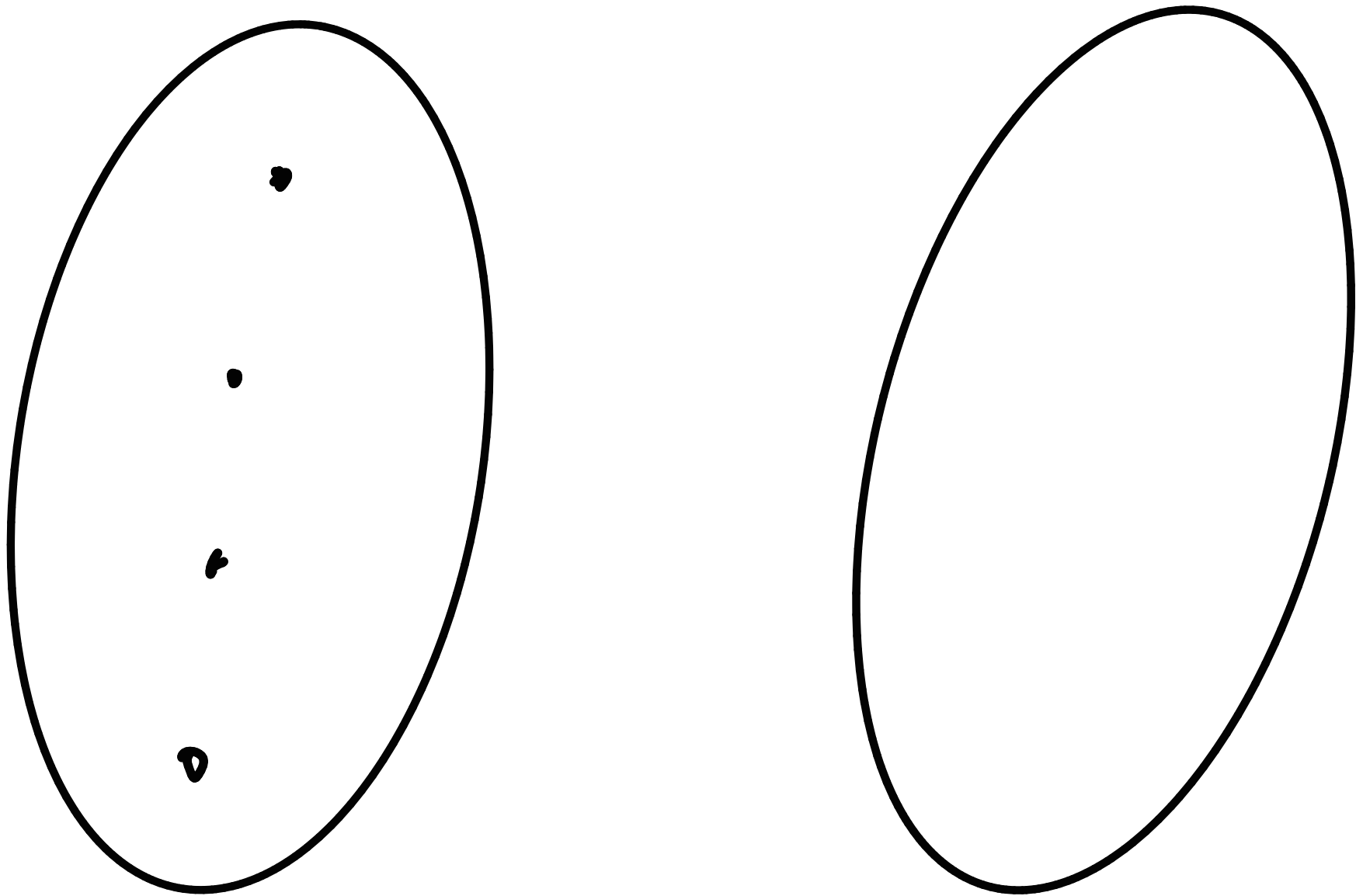
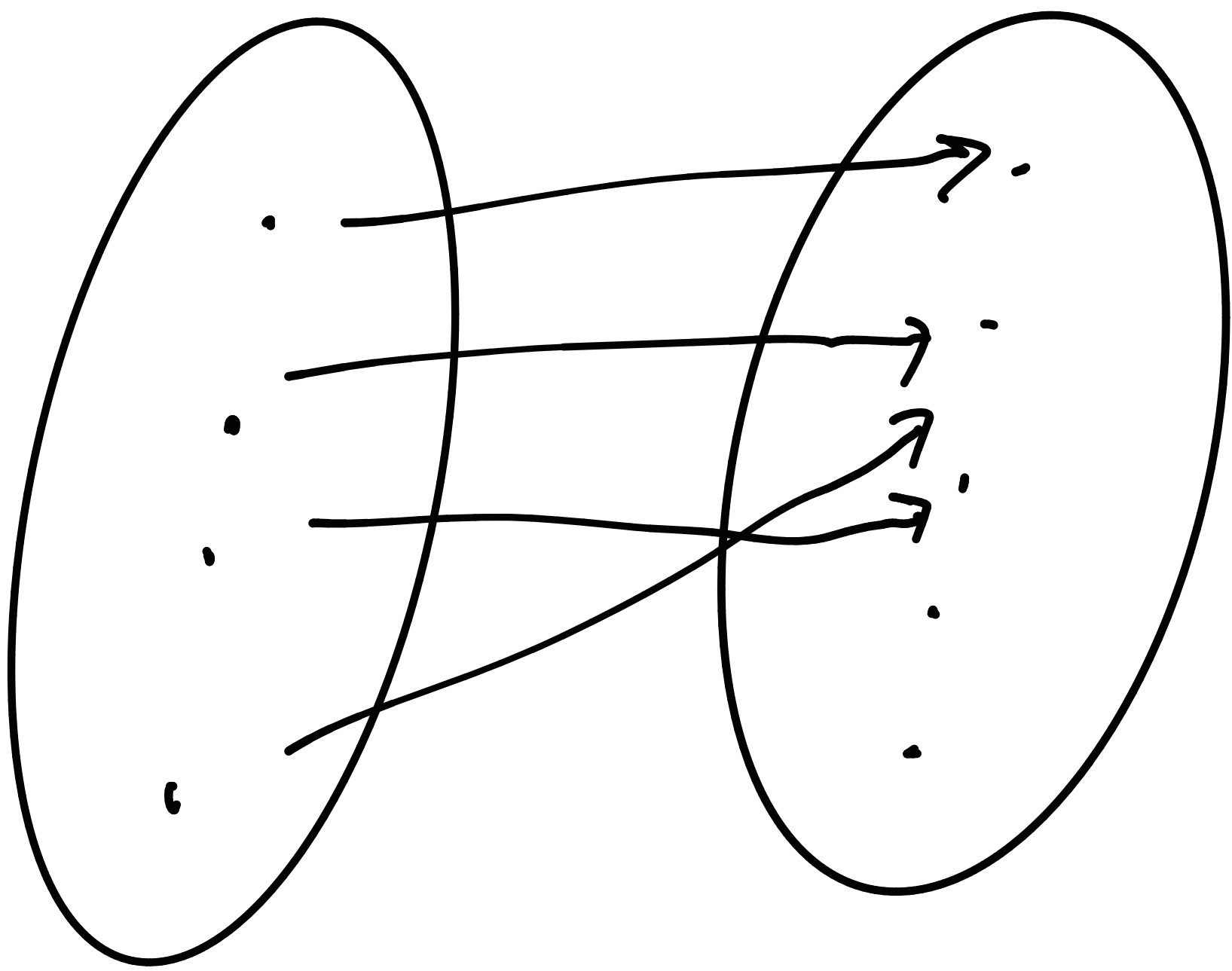
Nº 4.

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

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

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

$$n \nmid m$$



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

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

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

$$\text{no cb-basis pag. 2111 } \frac{p'}{p} \in \mathbb{Q}$$

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

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