

$$\mathbb{N} \ni b \geq 2: \quad b^{\mathbb{N}} \ni a. \xrightarrow{\text{bij}} \sum_{n \geq 0} \frac{a_n}{b^n} \in]0|1$$

$$a_n \in b$$

$$\text{nu null } b^{\mathbb{Z}} \ni a. \xrightarrow{\text{bij}} \sum_{n \geq k} \frac{a_n}{b^n} \in \mathbb{R}_+$$

$$\text{b-adic Expansion } x = \sum_{n \geq k} \frac{a_n}{b^n} = \sum_{k \leq n < 0} \frac{a_n}{b^n} + \sum_{n \geq 0} \frac{a_n}{b^n} \Rightarrow a_n \in b \text{ eind}$$

$$s_N = \sum_{k \leq n \leq N} \frac{a_n}{b^n} \Rightarrow s_N \leq x < s_N + b^{-N}$$

\mathbb{Q} not voll