$$\mathtt{t}^{U} = \sum_{U \sqsubset V} \iota^{V} \quad \overset{\text{Spalten}}{\underset{\text{Moeb inv}}{\Longleftrightarrow}} \quad \iota^{U} = \sum_{U \sqsubset V} {}_{U}\sqsubset^{-1}{}_{V}\ \mathtt{t}^{V}$$

$$\sharp \frac{\lrcorner \in {}^{\mathbb{K}^n}\triangle X}{\ker \lrcorner = U} = \sum_{U \sqsubset V} {}_{U}\sqsubset^{-1}{}_{V}\ \overbrace{|X|}^{n - \dim V}$$

$$U \sqsubset \mathbb{K}^n$$

$$\iota^{U}(x) = \sharp \frac{\lrcorner \in {}^{\mathbb{K}^n}\triangle X}{\ker \lrcorner = U}$$

$$\sum_{U \sqsubset V} \iota^{V} = \sum_{U \sqsubset V} \sharp \frac{\lrcorner \in {}^{\mathbb{K}^n}\triangle X}{\ker \lrcorner = V} = \sharp \frac{\lrcorner \in {}^{\mathbb{K}^n}\triangle X}{\ker \lrcorner \sqsupset U} = \sharp \frac{\lrcorner \in {}^{\mathbb{K}^n}\triangle X}{{}^{U}\overline{\lrcorner} = 0}$$

$$= \sharp {}^{\mathbb{K}^n \sqsubset U}\triangle X = \sharp {}^{\text{Basis von } \mathbb{K}^n \sqsubset U}\triangle X = \overbrace{|X|}^{|\text{ Basis }|} = x^{n - \dim U}$$

$$\overset{\text{Spalten}}{\underset{\text{Moeb inv}}{\Longrightarrow}} \quad \sharp \frac{\lrcorner \in {}^{\mathbb{K}^n}\triangle X}{\ker \lrcorner = U} = \iota^{U} = \sum_{U \sqsubset V} {}_{U}\sqsubset^{-1}{}_{V}\ x^{n - \dim V}$$