$$ {}^{n}\overline{\mathbb{Q}}_{n}^{\complement} = {}^{n}\overset{\infty}{\mathbb{Q}}_{n}^{\complement} \prod_{p} {}^{n}\overset{p}{\mathbb{Q}}_{n}^{\complement} \underset{\text{discr}}{\sqsupset} {}^{n}\mathbb{Q}_{n}^{\complement} $$

$$ \text{cpt} \prod_{p} {}^{n}\overset{p}{\underline{\mathbb{Q}}}_{n}^{\complement} \sqsubset \prod_{p} {}^{n}\overset{p}{\mathbb{Q}}_{n}^{\complement} $$

$$ \prod_{p} {}^{n}\overset{p}{\underline{\mathbb{Q}}}_{n}^{\complement} \urcorner {}^{n}\overline{\mathbb{Q}}_{n}^{\complement} \ulcorner {}^{n}\mathbb{Q}_{n}^{\complement} = {}^{n}\overset{\infty}{\mathbb{Q}}_{n}^{\complement} \ulcorner {}^{n}\underline{\mathbb{Q}}_{n}^{\complement} $$

$$ \prod_{p} {}^{2}\overset{p}{\underline{\mathbb{Q}}}_{2}^{\complement} \urcorner {}^{2}\overline{\mathbb{Q}}_{2}^{\complement} \ulcorner {}^{2}\mathbb{Q}_{2}^{\complement} = {}^{2}\overset{\infty}{\mathbb{Q}}_{2}^{\complement} \ulcorner {}^{2}\underline{\mathbb{Q}}_{2}^{\complement} $$

$$ \prod_{p} \left(\begin{array}{c|c} \overset{p}{\underline{\mathbb{Q}}} & \overset{p}{\underline{\mathbb{Q}}}N \\ \hline \overset{p}{\underline{\mathbb{Q}}} & \overset{p}{\underline{\mathbb{Q}}} \end{array}\right)^{\complement} \ulcorner {}^{2}\mathbb{Q}_{2}^{\complement} = {}^{2}\overset{\infty}{\mathbb{Q}}_{2}^{\complement} \ulcorner \left(\begin{array}{c|c} \underline{\mathbb{Q}} & \underline{\mathbb{Q}}N \\ \hline \underline{\mathbb{Q}} & \underline{\mathbb{Q}} \end{array}\right)^{\complement} $$