Example of alg closed field  $\mathcal{O} \ \overline{\mathbb{Q}} \ \overline{\mathbb{Q}} \ \mathbb{C} \ \mathcal{C} \ \mathcal{O}((t^{\frac{1}{n}})) = \overline{\mathbb{C}((t))} \ \mathcal{O}((t^{\frac{1$ 

 $\label{lem:qq:shttps://math.stackexchange.com/questions/1280053/explicit-description-of-bbb-q-p-cap-bar-bbb-q} $C_p \operatorname{bar}(Q_p): \https://math.stackexchange.com/questions/123925/is-the-algebraic-closure-of-a-p-adic-field-complete https://math.stackexchange.com/questions/2430665/algebraic-closure-of-q-p-is-composite-of-bar-mathbbq-and-mathbbq-p https://math.stackexchange.com/questions/2153580/transcendental-numbers-in-mathbbq-p$