By McCool, there is an isomorphism
\[ \Psi: \wp B_n \rightarrow \bigoplus_{i=1}^{n} \frac{F_n}{F_n x_i} \]

Allowing linear combinations, both sides have natural F.t. filtrations.

**Question.** Is \( \Psi \) a filtered map? \( \checkmark \) No!

Assuming so, it would induce
\[ \text{gr}\, \Psi: \Delta^* \rightarrow \bigoplus_{i=1}^{n} \frac{F_n}{F_n x_i} \]

**Question.** What is this map? Is it an isomorphism?

Note that the standard “scatter” map
\[ \partial \Delta^* \rightarrow \text{td}_{\infty} = \bigoplus_{i=1}^{\infty} \frac{F_n}{x_i} \]

is injective but not surjective.

**Question.** Can one discover \( \text{div} \) in this context?