Definition (V-profunctor). Let **A** and **B** be categories enriched in **V**. A profunctor enriched in **V** from **A** to **B**, denoted $F : \mathbf{A} \longrightarrow \mathbf{B}$, is a functor enriched

 $F: \mathbf{A}^{\mathrm{op}} \times \mathbf{B} \to \mathbf{V}$

in V: