Definition (**V**-profunctor)

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

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