**LHS** 
$$\ni f := \{ \coprod_p X^p \otimes Y^{n-p} \to Z^n \}_{n \in \mathbb{Z}}$$

$$\stackrel{\sim}{=} \{X^p \otimes Y^{n-p} \to Z^n\}_{p,n \in \mathbb{Z}}$$

$$\stackrel{\sim}{\sim} \left\{ \mathbf{V}^{n} + \left( \mathbf{V}^{n-n}, \mathbf{Z}^{n} \right) \right\}$$

$$\stackrel{\sim}{=} \{X^p \to (Y^{n-p}, Z^n)\}_{p,n \in \mathbb{Z}}$$

**RHS**  $\ni g = \{X^p \to \prod_n (Y^{n-p}, Z^n)\}_{p \in \mathbb{Z}}$