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

 $\cong \{X^p \otimes Y^{n-p} \to Z^n\}_{p,n \in \mathbb{Z}}$  $\cong \{X^p \to (Y^{n-p}, Z^n)\}_{p,n \in \mathbb{Z}}$ 

 $\cong \{X^p \to | | (Y^{n-p}, Z^n)\}_{p \in \mathbb{Z}} = g \in \mathbf{RHS}$