

$$THH_v(BP\langle v \rangle; K(1))[\nu_0] \longrightarrow THH_v(BP\langle v \rangle; L)$$

$$\begin{array}{ccc} \downarrow \otimes v_i^{-1} & & \downarrow \otimes v_i^{-1} \\ THH_v(BP\langle v \rangle; K(1))[\nu_0] & \longrightarrow & THH_v(BP\langle v \rangle; L) \end{array}$$

$$d_r(\lambda_1) = \nu_0^5 x$$

$x$  has to be  $v_i$ -torsion  
doesn't happen by computation.

$\downarrow$

$$d_r(x) = 0.$$

*this can't happen.*

$$d_r(y) = \nu_0^5 d_1$$

$y$  is  $v_i$ -torsion free

