Scratch 150907

Monday, September 7, 2015 11:58 AM

$$\mathbb{Z}^R \longrightarrow \mathbb{Z}^\Gamma \longrightarrow 0$$

E.g. $\Gamma = \{x_d\}$ s.t. $(x_d)^d = x_1 \Longrightarrow$ Q

In general,

$$I = \langle t_\gamma = x_\gamma - 1 \rangle$$

if $\prod x_i^{a_i} = 1$ then

$$\prod (t_i+1)^{a_i} = 1$$

so $\sum a_i t_i = 0$ in I/I^2

E.g. $\langle \bar{t}_d \rangle$ w/ $d\bar{t}_d = \bar{t}_1$ so

$$A(Q) = \langle \bar{t}_1 \rangle$$

$$z : x_\gamma \longmapsto e^{\bar{t}_\gamma}$$