



































1

$\mathbb{Z}\{1\}$

$$\begin{array}{ccc}
 & \xrightarrow{\beta^1} & \\
 P^1 \iota_4 & & \beta P^1 \iota_4 \\
 & \searrow \beta^1 & \\
 & P^1 \beta \iota_4 & \longrightarrow \beta P^1 \beta \iota_4 \\
 \iota_4^2 & \nearrow \beta^1 & \\
 & \iota_4 \beta \iota_4 &
 \end{array}$$

$$\begin{array}{cc} \mathbb{Z}/3\{\beta(\iota_4^2)\} & \\ \mathbb{Z}/3\{\beta P^1\iota_4\} & \mathbb{Z}/3\{\beta P^1\beta\iota_4\} \end{array}$$

0

1

2

3

4

5

6

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8

9

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