$H^*(K(\mathbb{Z}/3,1),\mathbb{Z}/3)$

	0n	1n	2n	3n	4n	5n	6n	7n	8n
6	x^3		$x^3\iota_2$	$x^3\beta\iota_2$	$x^3\iota_2^2$	$x^3\iota_2\beta\iota_2$	$x^3\iota_2^3$	$x^3 b$ $x^3 a$	$x^3 d$ $x^3 c$
5	αx^2		$\alpha x^2\iota_2$	αx^2	$\alpha x^2\iota_2^2$	$\alpha x^2\iota_2\beta\iota_2$	$\alpha x^2\iota_2^3$	$\alpha x^2 b$ $\alpha x^2 a$	$\alpha x^2 d$ … $\alpha x^2 c$ …
4	x^2		$x^2\iota_2$	$x^2\beta\iota_2$	$x^2\iota_2^2$	$x^2\iota_2\beta\iota_2$	$x^2\iota_2^3$	$x^2 b$ $x^2 a$	$x^2 d$ $x^2 c$
3	αx		$\alpha x\iota_2$	$\alpha x\beta\iota_2$	$\alpha x\iota_2^2$	$\alpha x\iota_2\beta\iota_2$	$\alpha x\iota_2^3$	$\alpha x b$ $\alpha x a$	$\alpha x d$ … $\alpha x c$ …
2	x		$x\iota_2$	$x\beta\iota_2$	$x\iota_2^2$	$x\iota_2\beta\iota_2$	$x\iota_2^3$	$x b$ $x a$	$x d$ $x c$
1	α		$\alpha\iota_2$	$\alpha\beta\iota_2$	$\alpha\iota_2^2$	$\alpha\iota_2\beta\iota_2$	$\alpha\iota_2^3$	αb αa	αd … αc …
0	1		ι_2	$\beta\iota_2$	ι_2^2	$\iota_2\beta\iota_2$	ι_2^3	$P^1\beta\iota_2$ $\iota_2^2\beta\iota_2$	$\beta P^1\beta\iota_2$ ι_2^4 …

$H^*(K(\mathbb{Z}/3,2),\mathbb{Z}/3)$

$H^*(K(\mathbb{Z}/3,1),\mathbb{Z}/3)$

	$0n$	$1n$	$2n$	$3n$	$4n$	$5n$	$6n$	$7n$	$8n$
6	x^3		$x^3\iota_2$	$x^3\beta\iota_2$	$x^3\iota_2^2$	$x^3\iota_2\beta\iota_2$	$x^3\iota_2^3$	x^3b, x^3a	x^3d, x^3c
5									
4	x^2		$x^2\beta\iota_2$					x^2b	x^2d
3									
2	x			$x\beta\iota_2$				xb	xd
1									
0	1			$\beta\iota_2$				$P^1\beta\iota_2$	$\beta P^1\beta\iota_2$

$H^*(K(\mathbb{Z}/3,2),\mathbb{Z}/3)$

Arrows: $x^2 \to x\beta\iota_2$; $x \to \beta\iota_2$; $x^2b \to \cdots$; $x^2d \to \cdots$; $xb \to \cdots$; $xd \to \cdots$

$H^*(K(\mathbb{Z}/3,1),\mathbb{Z}/3)$

6	x^3		$x^3\iota_2$	$x^3\beta\iota_2$	$x^3\iota_2^2$	$x^3\iota_2\beta\iota_2$	$x^3\iota_2^3$	x^3b x^3a	x^3d x^3c

$$x^2\beta\iota_2$$

$$P^1\beta\iota_2 \qquad \beta P^1\beta\iota_2$$

$$1$$

$0n \qquad 1n \qquad 2n \qquad 3n \qquad 4n \qquad 5n \qquad 6n \qquad 7n \qquad 8n$

$H^*(K(\mathbb{Z}/3,2),\mathbb{Z}/3)$

$H^*(K(\mathbb{Z}/3,1),\mathbb{Z}/3)$

	$0n$	$1n$	$2n$	$3n$	$4n$	$5n$	$6n$	$7n$	$8n$
6	x^3		$x^3\iota_2$	$x^3\beta\iota_2$	$x^3\iota_2^2$	$x^3\iota_2\beta\iota_2$	$x^3\iota_2^3$	x^3b x^3a	x^3d x^3c
5									
4									
3									
2									
1									
0	1							$P^1\beta\iota_2$	

$H^*(K(\mathbb{Z}/3,2),\mathbb{Z}/3)$

$H^*(K(\mathbb{Z}/3, 1), \mathbb{Z}/3)$

6	x^3		$x^3\iota_2$	$x^3\beta\iota_2$	$x^3\iota_2^2$	$x^3\iota_2\beta\iota_2$	$x^3\iota_2^3$	x^3b $\quad x^3d$
								x^3a $\quad x^3c$

x^3b $\qquad$ x^3d

x^3a $\qquad$ x^3c $\cdots$

$P^1\beta\iota_2$

1
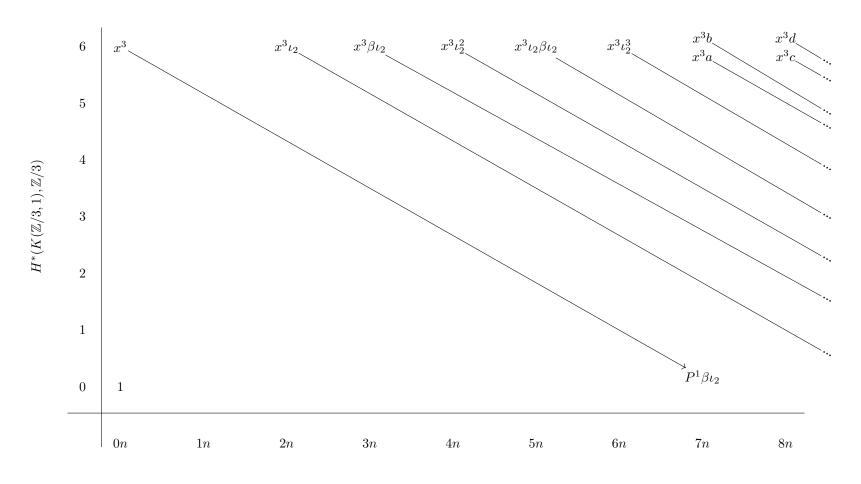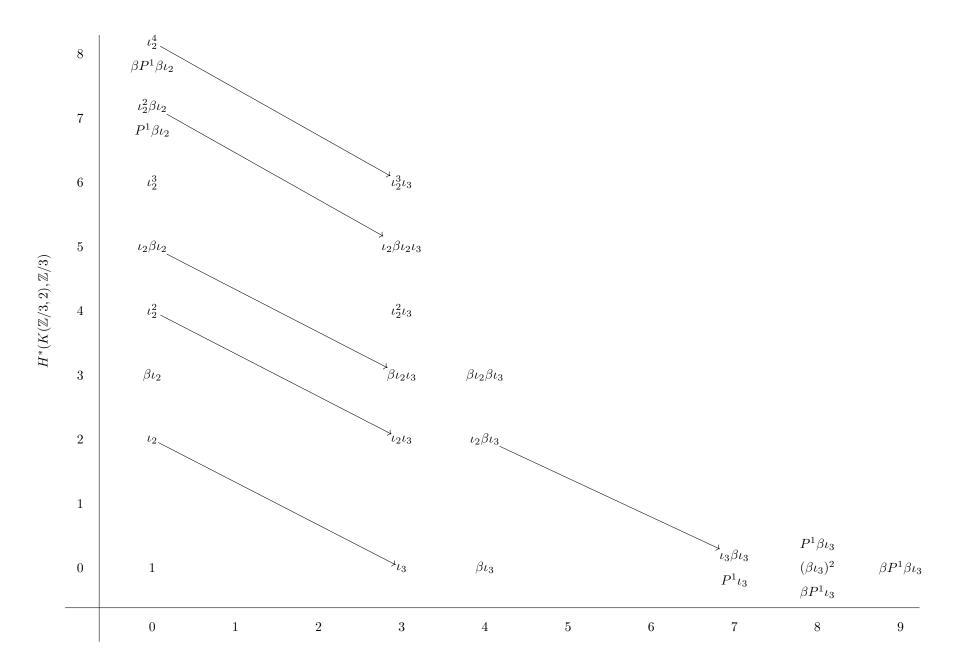
| $0n$ | $1n$ | $2n$ | $3n$ | $4n$ | $5n$ | $6n$ | $7n$ | $8n$ |

$H^*(K(\mathbb{Z}/3, 2), \mathbb{Z}/3)$

$H^*(K(\mathbb{Z}/3,2),\mathbb{Z}/3)$ | 1 | $\iota_2 \xrightarrow{\beta^1} \beta\iota_2$ | $\iota_2^2 \xrightarrow{\beta^1} \iota_2\beta\iota_2$ | $\iota_2^3 \xrightarrow{\beta^2} \begin{matrix}P^1\beta\iota_2 \xrightarrow{\beta^2} \beta P^1\beta\iota_2\\ \iota_2^2\beta\iota_2 \qquad \iota_2^4\end{matrix}$

$H^*(K(\mathbb{Z}/3,2),\mathbb{Z})$ | $\mathbb{Z}\{1\}$ | $\mathbb{Z}/3\{\beta\iota_3\}$ | $\mathbb{Z}/3\{\beta\iota_2^2\}$ | $\mathbb{Z}/9\{\beta\iota_2^3\}$ | $\mathbb{Z}/3\{\beta P^1\iota_2\}$

$H^*(K(\mathbb{Z}/3, 2), \mathbb{Z}/3)$

8   ι_2^4

    $\beta P^1 \beta \iota_2$

7     $\iota_2^2 \beta \iota_2$

    $P^1 \beta \iota_2$

6   ι_2^3 $\iota_2^3 \iota_3$

5     $\iota_2 \beta \iota_2$ $\iota_2 \beta \iota_2 \iota_3$

4   ι_2^2 $\iota_2^2 \iota_3$

3     $\beta \iota_2$ $\beta \iota_2 \iota_3$ $\beta \iota_2 \beta \iota_3$

2   ι_2 $\iota_2 \iota_3$ $\iota_2 \beta \iota_3$

1

                                                       $P^1 \beta \iota_3$

0   1 ι_3 $\beta \iota_3$ $\iota_3 \beta \iota_3$ $(\beta \iota_3)^2$ $\beta P^1 \beta \iota_3$

                                                       $P^1 \iota_3$ $\beta P^1 \iota_3$

      0   1   2   3   4   5   6   7   8   9

$K(\mathbb{Z}/3, 3)$

$H^*(K(\mathbb{Z}/3,2),\mathbb{Z}/3)$

$K(\mathbb{Z}/3,3)$

$\beta P^1 \beta \iota_2$

$P^1 \beta \iota_2$

ι_2^3

$\iota_2^2 \iota_3$

$\beta \iota_2$

$\beta \iota_2 \beta \iota_3$

$\beta \iota_2$

$\beta \iota_3$

$P^1 \beta \iota_3$

$(\beta \iota_3)^2$

$\beta P^1 \beta \iota_3$

1

$P^1 \iota_3$

$\beta P^1 \iota_3$

$H^*(K(\mathbb{Z}/3, 2), \mathbb{Z}/3)$

$\beta P^1 \beta \iota_2$

$P^1 \beta \iota_2$

ι_2^3

$P^1 \beta \iota_3$

$\beta P^1 \beta \iota_3$

$P^1 \iota_3$

1

$K(\mathbb{Z}/3, 3)$

$H^*(K(\mathbb{Z}/3, 2), \mathbb{Z}/3)$

$\beta P^1 \beta \iota_2$

$\beta P^1 \beta \iota_3$

1

$K(\mathbb{Z}/3, 3)$

$H^*(K(\mathbb{Z}/3,3),\mathbb{Z}/3)$

1

$$\iota_3 \xrightarrow{\beta^1} \beta\iota_3$$

$$\iota_3\beta\iota_3 \xrightarrow{\beta^1} \begin{matrix} P^1\beta\iota_3 \\ (\beta\iota_3)^2 \end{matrix} \xrightarrow{\beta^1} \beta P^1\beta\iota_3$$

$$P^1\iota_3 \xrightarrow{\beta^1} \beta P^1\iota_3$$

$H^*(K(\mathbb{Z}/3,3),\mathbb{Z})$

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

$\mathbb{Z}/3\{\beta\iota_3\}$

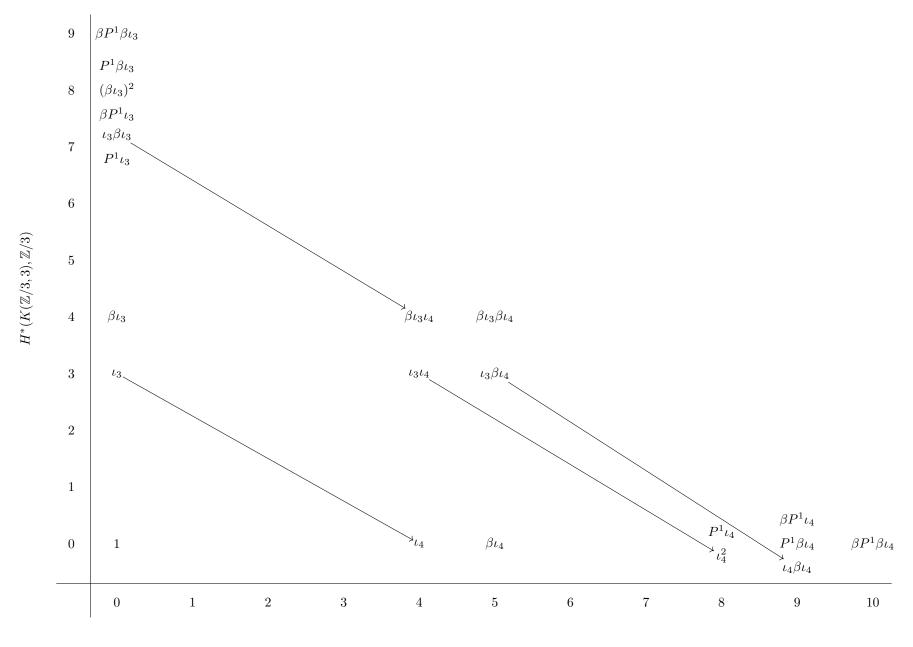$\mathbb{Z}/3\{\beta(\iota_3\beta\iota_3)\}$ $\mathbb{Z}/3\{\beta P^1\beta\iota_3\}$
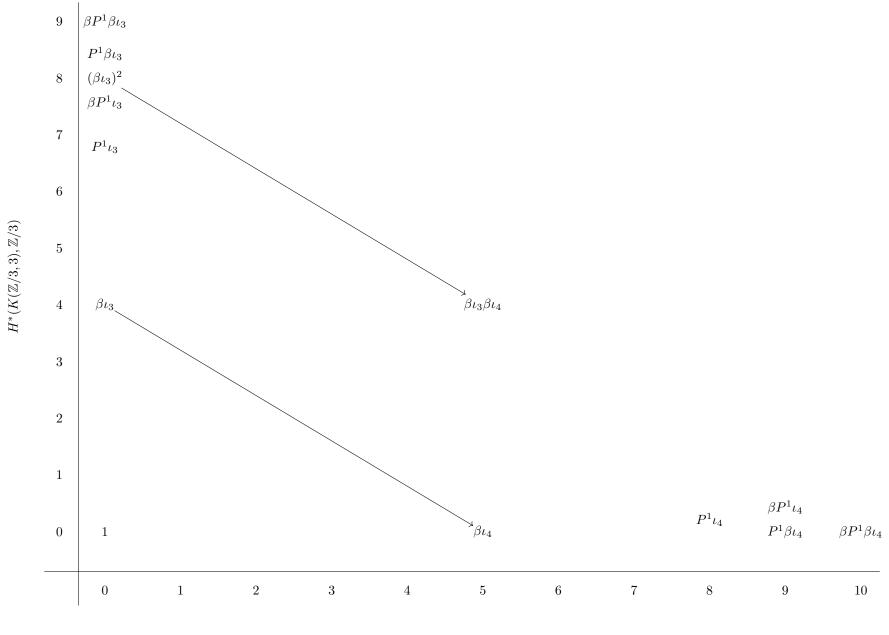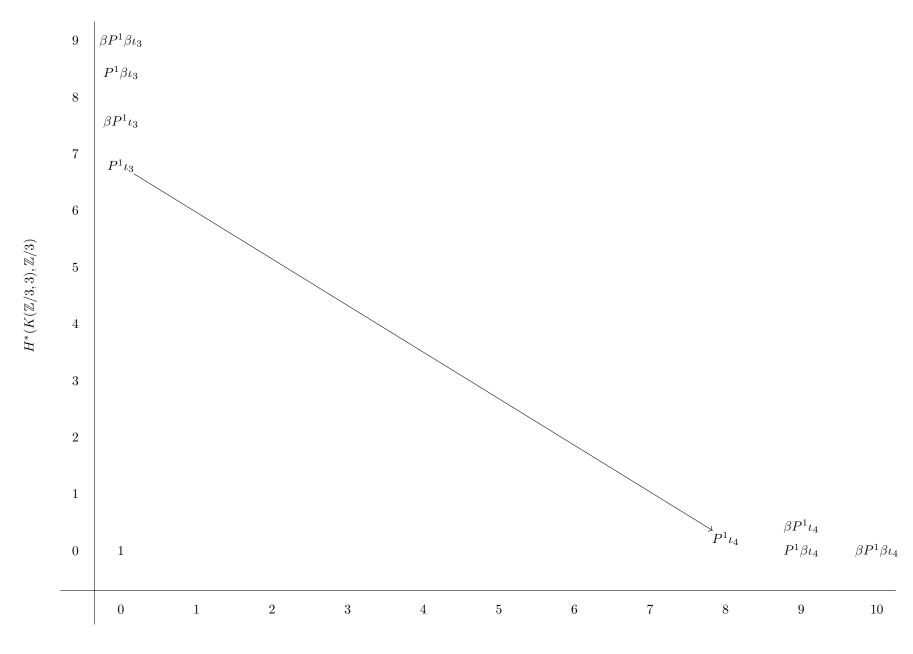$\mathbb{Z}/3\{\beta P^1\iota_3\}$

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

This page is a spectral sequence chart with vertical axis $H^*(K(\mathbb{Z}/3, 3), \mathbb{Z}/3)$ and horizontal axis $K(\mathbb{Z}/3, 4)$.

Vertical axis labels (bottom to top): 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

Horizontal axis labels: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Entries at column 0:
- row 9: $\beta P^1 \beta \iota_3$
- row 8 region: $P^1 \beta \iota_3$, $(\beta \iota_3)^2$, $\beta P^1 \iota_3$, $\iota_3 \beta \iota_3$, $P^1 \iota_3$
- row 4: $\beta \iota_3$
- row 3: ι_3
- row 0: 1

Entries at column 4:
- row 4: $\beta \iota_3 \iota_4$
- row 3: $\iota_3 \iota_4$
- row 0: ι_4

Entries at column 5:
- row 4: $\beta \iota_3 \beta \iota_4$
- row 3: $\iota_3 \beta \iota_4$
- row 0: $\beta \iota_4$

Entries at column 8:
- $P^1 \iota_4$
- row 0: ι_4^2
- $P^1 \beta \iota_4$

Entries at column 9:
- $\beta P^1 \iota_4$
- $P^1 \beta \iota_4$
- row 0: $\iota_4 \beta \iota_4$

Entries at column 10:
- row 0: $\beta P^1 \beta \iota_4$

Differential arrows are drawn from $P^1 \iota_3$ (column 0, row 7) to $\beta \iota_3 \iota_4$ (column 4, row 4); from ι_3 (column 0, row 3) to ι_4 (column 4, row 0); from $\iota_3 \iota_4$ (column 4, row 3) to $P^1 \iota_4 / \iota_4^2$ (column 8, row 0); from $\iota_3 \beta \iota_4$ (column 5, row 3) to $\iota_4 \beta \iota_4$ (column 9, row 0).

A chart plotting $H^*(K(\mathbb{Z}/3,3),\mathbb{Z}/3)$ (vertical axis) against $K(\mathbb{Z}/3,4)$ (horizontal axis).

Vertical axis labels from 0 to 9. Horizontal axis labels from 0 to 10.

Elements on the vertical axis (at horizontal position 0):
- $\beta P^1 \beta \iota_3$ at height 9
- $P^1 \beta \iota_3$ between 8 and 9
- $(\beta \iota_3)^2$ at height 8
- $\beta P^1 \iota_3$ between 7 and 8
- $P^1 \iota_3$ at height 7
- $\beta \iota_3$ at height 4
- 1 at height 0

Other elements:
- $\beta \iota_3 \beta \iota_4$ at horizontal 5, height 4
- $\beta \iota_4$ at horizontal 5, height 0
- $P^1 \iota_4$ at horizontal 8, height 0
- $\beta P^1 \iota_4$ at horizontal 9, slightly above 0
- $P^1 \beta \iota_4$ at horizontal 9, height 0
- $\beta P^1 \beta \iota_4$ at horizontal 10, height 0

Arrows:
- From $(\beta \iota_3)^2$ (near height 8) to $\beta \iota_3 \beta \iota_4$
- From $\beta \iota_3$ (height 4) to $\beta \iota_4$

$\beta P^1 \beta \iota_3$

$P^1 \beta \iota_3$

$\beta P^1 \iota_3$

$P^1 \iota_3$

$H^*(K(\mathbb{Z}/3,3),\mathbb{Z}/3)$

9

8

7

6

5

4

3

2

1

0

1

$\beta P^1 \iota_4$

$P^1 \iota_4$

$P^1 \beta \iota_4$
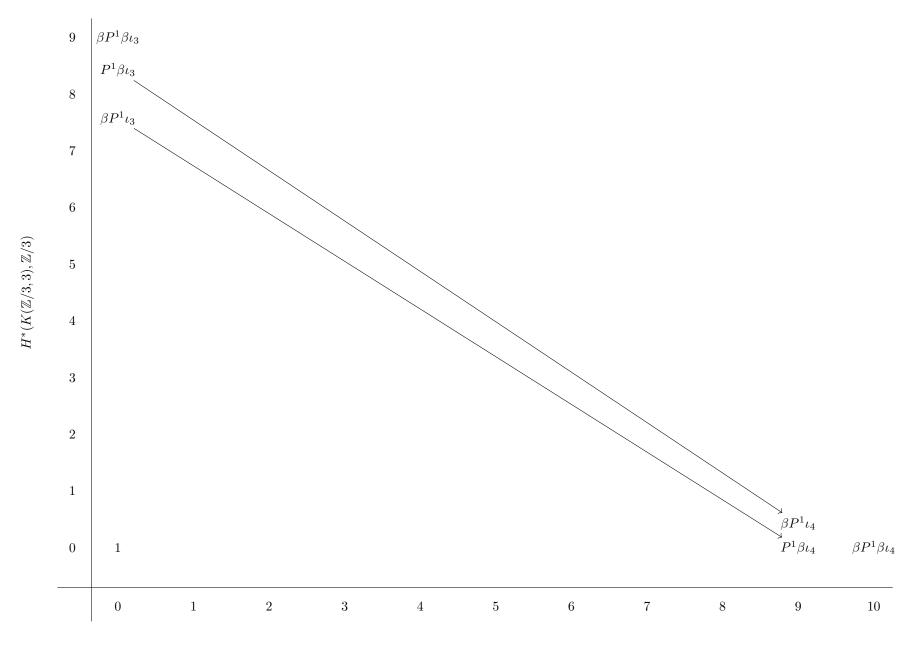
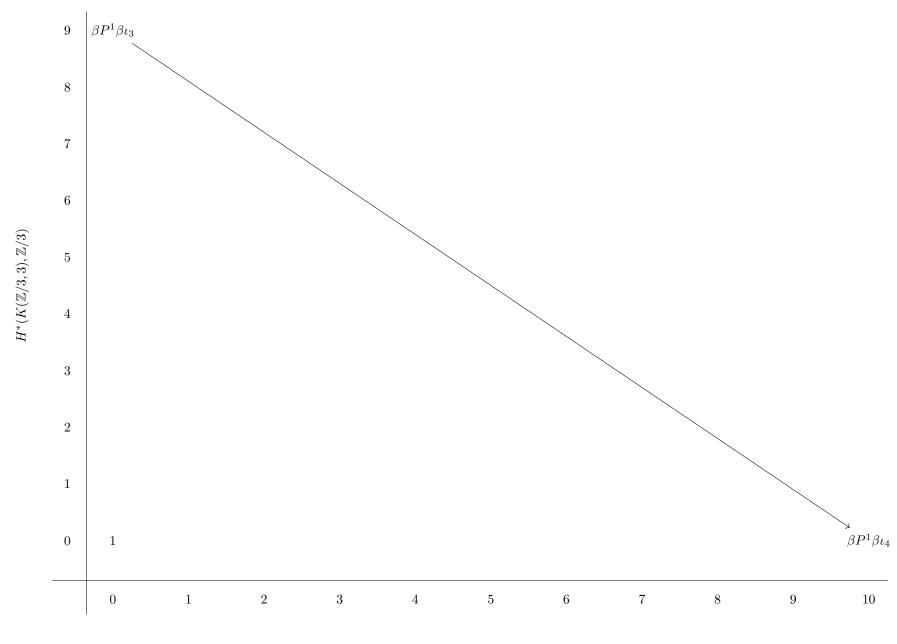$\beta P^1 \beta \iota_4$

0   1   2   3   4   5   6   7   8   9   10

$K(\mathbb{Z}/3,4)$

$H^*(K(\mathbb{Z}/3, 3), \mathbb{Z}/3)$

$K(\mathbb{Z}/3, 4)$

$H^*(K(\mathbb{Z}/3,4),\mathbb{Z}/3)$ 1

$\iota_4 \xrightarrow{\ \beta\ } \beta\iota_4$

$P^1\iota_4 \xrightarrow{\ \beta\ } \beta P^1\iota_4$

$\iota_4^2 \xrightarrow{\ \beta\ } \iota_4\beta\iota_4$

$P^1\beta\iota_4 \xrightarrow{\ \beta\ } \beta P^1\beta\iota_4$

$H^*(K(\mathbb{Z}/3,4),\mathbb{Z})$ $\mathbb{Z}\{1\}$

$\mathbb{Z}/3\{\beta\iota_4\}$

$\mathbb{Z}/3\{\beta(\iota_4^2)\}$

$\mathbb{Z}/3\{\beta P^1\iota_4\}$ $\mathbb{Z}/3\{\beta P^1\beta\iota_4\}$

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |