$$3 \longrightarrow 2 \longrightarrow -2 \longrightarrow 4$$

$$N \longrightarrow N \longrightarrow N$$

$$F(0,1,2,3,4,...) = \begin{pmatrix} 0 & 0 & 0 & -1 & 0 & 1 & -1 & -1 & 1 & 2 \\ 0 & 0 & 0 & -1 & 0 & 1 & -1 & -1 & 1 & 2 \\ 0 & 0 & 0 & -1 & 0 & 1 & -1 & -1 & 1 & 2 \\ 0 & 0 & 0 & -1 & 0 & 1 & -1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 1 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 1 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 &$$

(2)  $\frac{a}{b} < \frac{p}{q} \Rightarrow 2^{a} 3^{b} < 2^{p} 3^{q}$  $\widetilde{\mathcal{L}} = \frac{p}{2} = \frac{1}{2^{2}} = \frac{1}{2^{2}}$