$$
\begin{array}{l}
A == [ns : \mathbb{F}\,\mathbb{N}_1] \\
AInit == [A' \mid ns' = \varnothing] \\
New == [\Delta A;\ n? : \mathbb{N}_1 \mid ns' = ns \cup \{n?\}] \\
MSF == [\Xi A;\ m! : \mathbb{N}_1 \mid ns \neq \varnothing;\ m! = max\ ns]
\end{array}
$$

Injective seq ensures the 2 msf are unique.

$$
\begin{array}{|l}
\multicolumn{1}{l}{\mathit{AM2SF}} \\ \hline
\Xi A \\
m1!, m2! : \mathbb{N}_1 \\ \hline
\#\, ns > 1 \\
m1! = max\ ns \\
m2! = max\ (ns \setminus \{m1!\}) \\ \hline
\end{array}
$$

$$
\begin{array}{|l}
\multicolumn{1}{l}{C3} \\ \hline
cs : \mathrm{iseq}\,\mathbb{N}_1 \\ \hline
(\_ < \_) \mathbin{;} cs \subseteq cs \mathbin{;} (\_ < \_) \\ \hline
\end{array}
$$

$$
LI3 == [A;\ C3 \mid ns = ran\ cs]
$$

Note $cs \setminus \langle ma! \rangle$ is not equivalent,
because a sequence is a function, and the domain mapping of $\langle ma! \rangle$ is different to cs

$$
\begin{array}{|l}
\multicolumn{1}{l}{C3MSF2} \\ \hline
\Xi C3;\ ma!, mb! : \mathbb{N}_1 \\ \hline
\#(ran\ cs) \geq 2 \\
ma! = last\ cs \\
mb! = cs\ (\#\, cs - 1) \\ \hline
\end{array}
$$