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\{\{1,1,1\} \rightarrow 1, \{1,1,0\} \rightarrow 1, \{1,0,1\} \rightarrow 1, \{1,0,1\} \rightarrow 1, \{1,0,1\} \rightarrow 1, \{0,1,0\} \rightarrow 0, \{0,1,1\} \rightarrow 1, \{0,0,0\} \rightarrow 0\}, \{1,1,1,1\} \rightarrow 1, \{1,1,1,0\} \rightarrow 1, \{1,0,1,1\} \rightarrow 1, \{1,0,1,0\} \rightarrow 0, \{1,0,0,1\} \rightarrow 1, \{1,0,0,0\} \rightarrow 0, \{0,1,1,1\} \rightarrow 1, \{1,0,0,0\} \rightarrow 0, \{0,1,1,1\} \rightarrow 1, \{1,0,0,0\} \rightarrow 0, \{0,1,1,1\} \rightarrow 1, \{1,0,0,0\} \rightarrow 0, \{0,0,1\} \rightarrow 1, \{1,0,0,0\} \rightarrow 0, \{0,0,1\} \rightarrow 1, \{1,0,0,0\} \rightarrow 0, \{0,0,1\} \rightarrow 1, \{1,0,0\} \rightarrow 0, \{0,0,1\} \rightarrow 1, \{1,0,0\} \rightarrow 0, \{1,0,
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\{\{1,\ 1,\ 1,\ 1\} \rightarrow 1,\ \{1,\ 1,\ 1,\ 0\} \rightarrow 1,\ \{1,\ 1,\ 0,\ 1\} \rightarrow 0,\ \{1,\ 1,\ 0,\ 0\} \rightarrow 1,\ \{1,\ 0,\ 1,\ 1\} \rightarrow 1,\ \{1,\ 0,\ 1,\ 1\} \rightarrow 0,\ \{0,\ 1,\ 1,\ 0\} \rightarrow 1,\ \{0,\ 1,\ 0,\ 1\} \rightarrow 1,\ \{0,\ 1,\ 1,\ 1\} \rightarrow 1,\ \{0,\ 1,\ 1\} \rightarrow 1,\ \{0,\ 1,\ 1,\ 1\} \rightarrow 1,\ \{0,\ 1,\ 
  \{\textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0
              \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}
              \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0},
              \{1,\,1,\,0,\,0,\,0,\,1,\,0,\,1\} \rightarrow 1,\, \{1,\,1,\,0,\,0,\,0,\,1,\,0,\,0\} \rightarrow 0,\, \{1,\,1,\,0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 0,\, \{1,\,1,\,0,\,0,\,0,\,0,\,1,\,0\} \rightarrow 0,\, \{1,\,1,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{1,\,0,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1\} \rightarrow 0,\, \{1,
              \{1,\,0,\,1,\,1,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,1,\,1,\,0,\,0,\,1,\,0\} \rightarrow 0,\,\{1,\,0,\,1,\,1,\,0,\,0,\,0,\,1\} \rightarrow 1,\,\{1,\,0,\,1,\,1,\,0,\,0,\,0,\,0\} \rightarrow 0,\,\{1,\,0,\,1,\,1,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,1,\,1,\,0,\,1,\,1,\,0,\,1,\,1,\,0,\,1\} \rightarrow 1,\,\{1,\,0,\,1,\,0,\,1,\,1,\,0,\,0\} \rightarrow 0,\,\{1,\,0,\,1,\,1,\,0,\,1\} \rightarrow 1,\,\{1,\,0,\,1,\,0,\,1,\,1,\,0,\,1\} \rightarrow 1,\,\{1,\,0,\,1,\,1,\,0,\,1\} \rightarrow 1,\,\{1,\,0,\,1,\,1,\,1\} \rightarrow 1,\,\{1,\,0,\,1,\,1,\,1\} \rightarrow 1,\,\{1,\,0,\,1,\,1\} \rightarrow 1,\,\{1,\,0,\,1\} \rightarrow 1,\,\{1,\,0,\,1,\,1\} \rightarrow 1,\,\{1,\,0,\,1\} \rightarrow 1,\,\{
              \{1,\,0,\,1,\,0,\,1,\,0,\,1,\,0\} \rightarrow 0,\, \{1,\,0,\,1,\,0,\,0,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,0,\,0,\,0\} \rightarrow 1,\, \{1,\,0,\,1,\,0,\,0,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,0,\,0,\,1,\,0,\,1\} \rightarrow 1,\, \{1,\,0,\,1,\,0,\,0,\,1,\,0,\,0\} \rightarrow 0,\, \{1,\,0,\,1,\,0,\,0,\,1,\,0\} \rightarrow 0,\, \{1,\,0,\,1,\,0,\,0,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,0,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,\,1,\,1,\,1\} \rightarrow 0,\, \{1,\,0,
              \{1,\,0,\,1,\,0,\,0,\,0,\,0,\,1\} \rightarrow 0,\,\{1,\,0,\,1,\,0,\,0,\,0,\,0\} \rightarrow 1,\,\{1,\,0,\,0,\,1,\,1,\,1,\,1\} \rightarrow 1,\,\{1,\,0,\,0,\,1,\,1,\,1,\,1,\,0\} \rightarrow 1,\,\{1,\,0,\,0,\,1,\,1,\,1,\,0,\,0\} \rightarrow 0,\,\{1,\,0,\,0,\,1,\,1,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,1,\,1,\,0,\,0\} \rightarrow 0,\,\{1,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,1\} \rightarrow 0,\,\{1,\,0,\,
              \{1,\,0,\,0,\,1,\,1,\,0,\,0,\,0\} \rightarrow 1,\, \{1,\,0,\,0,\,1,\,0,\,1,\,1\} \rightarrow 1,\, \{1,\,0,\,0,\,1,\,0,\,1,\,0\} \rightarrow 1,\, \{1,\,0,\,0,\,1,\,0,\,1\} \rightarrow 1,\, \{1,\,0,\,0,\,1,\,0,\,0\} \rightarrow 1,\, \{1,\,0,\,0,\,1,\,0\} \rightarrow 0,\, \{1,\,0,\,0,\,1,\,0\}
              \{1,\,0,\,0,\,0,\,1,\,1,\,1,\,1\} \rightarrow 1,\,\{1,\,0,\,0,\,0,\,1,\,1,\,1,\,0\} \rightarrow 1,\,\{1,\,0,\,0,\,0,\,1,\,1,\,0,\,1\} \rightarrow 1,\,\{1,\,0,\,0,\,0,\,1,\,1,\,0,\,0\} \rightarrow 1,\,\{1,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\,\{1,\,0,\,0,\,0,\,1,\,0,\,0,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,0,\,1,\,0,\,0,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,0,\,1,\,1,\,0,\,0\} \rightarrow 1,\,\{1,\,0,\,0,\,0,\,1,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,0,\,1,\,1,\,0,\,0\} \rightarrow 1,\,\{1,\,0,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,0,\,1,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,0,\,1\} \rightarrow 0,\,\{1,\,0,\,0,\,1\} \rightarrow 0,\,\{1,\,0,\,
              \{1,\,0,\,0,\,0,\,0,\,1,\,1,\,0\} \rightarrow 1,\, \{1,\,0,\,0,\,0,\,0,\,1,\,0,\,1\} \rightarrow 0,\, \{1,\,0,\,0,\,0,\,0,\,1,\,0\} \rightarrow 1,\, \{1,\,0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{1,\,0,\,0,\,0,\,0,\,0,\,1\} \rightarrow 0,\, \{1,\,0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,1,\,1\} \rightarrow 1,\, \{0,\,1\} \rightarrow 1
              \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, 
              \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{0
              \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}
              \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0
              \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}
              \{0,1,0,1,0,0,0,0\} \rightarrow 0, \ \{0,1,0,0,1,1,1,1\} \rightarrow 1, \ \{0,1,0,0,1,1,1,0\} \rightarrow 0, \ \{0,1,0,0,1,1,0,1\} \rightarrow 0, \ \{0,1,0,0,1,1,0,0\} \rightarrow 1, \ \{0,1,0,0,1,1\} \rightarrow 1, \ \{0,1,0,0,1,0,1,0\} \rightarrow 1, \ \{0,1,0,0,1,0,1,1\} \rightarrow 0, \ \{0,1,0,0,1,1,1\} \rightarrow 0, \ \{0,1,0,0,1,1\} \rightarrow 0, \ \{0,1,0,0,1\} \rightarrow 0, 
              \{0, 1, 0, 0, 0, 1, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1, 0\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 0, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 0, 0\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 1, 1, 1\} \rightarrow 0, \{0, 1, 
              \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{
              \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}
              \{0,\,0,\,1,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,0,\,0,\,0,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,1,\,0,\,0,\,0,\,0,\,1\} \rightarrow 0,\, \{0,\,0,\,1,\,0,\,0,\,0,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,1,\,1,\,1,\,1\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,1,\,1,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,1,\,1,\,1,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,1,\,1,\,1,\,0,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,1,\,1,\,1,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,1,\,1,\,1,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,1,\,1,\,1,\,1
              \{0,\,0,\,0,\,1,\,1,\,0,\,1,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,1,\,0,\,0,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,1,\,1,\,0,\,0,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,0,\,1,\,1\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,0,\,1,\,0,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,1,\,0,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,1\} \rightarrow 1
              \{0,\,0,\,0,\,1,\,0,\,0,\,0,\,1\} \rightarrow 0,\, \{0,\,0,\,0,\,0,\,1,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,1,\,1,\,1,\,1\} \rightarrow 0,\, \{0,\,0,\,0,\,0,\,1,\,1,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,1,\,1,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,1,\,1,\,1\} \rightarrow 0,\, \{0,\,0,\,0,\,0,\,1,\,1,\,1\} \rightarrow 0,\, \{0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,1\} \rightarrow
              \{0,\,0,\,0,\,0,\,1,\,0,\,0,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,0,\,1,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,1,\,1,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,0,\,0,\,1,\,0,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,
\{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}\},
\{\{1,\,1,\,1,\,1\} \rightarrow \emptyset,\, \{1,\,1,\,1,\,\emptyset\} \rightarrow 1,\, \{1,\,1,\,\emptyset,\,1\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset,\,\emptyset\} \rightarrow 1,\, \{1,\,\emptyset,\,1,\,1\} \rightarrow 1,\, \{1,\,\emptyset,\,1,\,\emptyset\} \rightarrow \emptyset,\, \{1,\,\emptyset,\,0,\,1\} \rightarrow 1,\, \{1,\,\emptyset,\,1,\,\emptyset\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset,\,\emptyset\} \rightarrow 1,\, \{1,\,\emptyset,\,1,\,\emptyset\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset,\,\emptyset\} \rightarrow 1,\, \{1,\,\emptyset,\,1,\,\emptyset\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset,\,\emptyset\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset,\,\emptyset\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset,\,\emptyset\} \rightarrow \emptyset,\, \{1,\,\emptyset,\,\emptyset\} \rightarrow \emptyset,
\{\{1,\,1,\,1,\,1\} \rightarrow \emptyset,\, \{1,\,1,\,1,\,\emptyset\} \rightarrow 1,\, \{1,\,1,\,\emptyset,\,1\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset,\,\emptyset\} \rightarrow 1,\, \{1,\,\emptyset,\,0,\,1\} \rightarrow \emptyset,\, \{1,\,\emptyset,\,0,\,
\{\textbf{1,1,0,1,0,1}\} \rightarrow \textbf{1,1,0,1,0,1}, \{\textbf{1,1,0,0,1,1}\} \rightarrow \textbf{0,1,1}, \{\textbf{1,1,0,0,1,1}\} \rightarrow \textbf{1,1,0,0,1,0}\} \rightarrow \textbf{0,1,1,0,0,0,1}\} \rightarrow \textbf{0,1,1,0,0,0,1}\} \rightarrow \textbf{0,1,1,1,1,1}\} \rightarrow \textbf{0,1,1,1,1,1}
           \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf
           \{0, 1, 0, 1, 0, 0\} \rightarrow 0, \{0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 1, 0, 0, 1, 0\} \rightarrow 0, \{0, 1, 0, 0, 0, 1\} \rightarrow 1, \{0, 1, 0, 0, 0, 0\} \rightarrow 1, \{0, 0, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 0, 1\} \rightarrow 0, \{0, 0, 1, 1, 0, 0\} \rightarrow 1, \{0, 0, 1, 1, 0, 0\} \rightarrow 1, \{0, 0, 1, 1, 0, 0\} \rightarrow 1, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 0, 0\} \rightarrow 1, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 0, 0, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1\} \rightarrow 0, \{0, 0, 1, 1, 1, 1, 1, 1, 1, 
            \{0,\,0,\,1,\,0,\,0,\,1\} \rightarrow 1,\, \{0,\,0,\,1,\,0,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,1,\,1\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,1,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,1,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,1,\,1\} \rightarrow 0,\, \{0,\,0,\,0,\,0,\,1,\,0\} \rightarrow 0,\, \{0,\,0,\,0,\,0,\,1\} \rightarrow 1,\, \{0,\,0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0,\,0\} \rightarrow 1,\, \{0,\,0,\,0\} \rightarrow 1,\, \{0,\,
  \{\{1,\,1,\,1,\,1,\,1\} \rightarrow \emptyset,\, \{1,\,1,\,1,\,1\},\,\emptyset\} \rightarrow 1,\, \{1,\,1,\,1,\,\emptyset,\,1\} \rightarrow 1,\, \{1,\,1,\,1,\,\emptyset,\,\emptyset\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset,\,1\},\,\emptyset\} \rightarrow \emptyset,\, \{1,\,1,\,\emptyset\},\,\emptyset\} \rightarrow \emptyset,\,\emptyset\} \rightarrow \emptyset,\,
           \{\textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{0}, \textbf{0}, \textbf{1}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{1}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{1}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{1}, \ \{\textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}, \textbf{0}\} \rightarrow \textbf{0}, \ \{\textbf{0}, \textbf{0}, 
              \{0, 0, 1, 1, 0\} \rightarrow 1, \{0, 0, 1, 0, 1\} \rightarrow 1, \{0, 0, 1, 0, 0\} \rightarrow 1, \{0, 0, 0, 1, 1\} \rightarrow 1, \{0, 0, 0, 1, 1\} \rightarrow 1, \{0, 0, 0, 1, 0\} \rightarrow 0, \{0, 0, 0, 1\} \rightarrow 0, \{1, 1, 0\} \rightarrow 1, \{1, 0, 1\} \rightarrow 0, \{1, 0, 0\} \rightarrow 0, \{0, 1, 1\} \rightarrow 1, \{0, 1, 0\} \rightarrow 0, \{0, 0, 1, 1\} \rightarrow 1, \{0, 0, 0, 1,
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