#### a2 = processingfive[vlfive2]

```
 \begin{cases} \{1, 2, 3\} \rightarrow \{4, 5\} \\ \{1, 2, 4\} \rightarrow \{5, 6\} \\ \{1, 2, 5\} \rightarrow \{6\} \\ \{1, 3, 4\} \rightarrow \{5, 6\} \\ \{1, 3, 5\} \rightarrow \{6, 7\} \end{cases}
```

# a3 = processingfive[vlfive3]

```
 \begin{cases} \{1, 2, 3\} \rightarrow \{4, 5, 6\} \\ \{1, 2, 4\} \rightarrow \{5, 6, 7\} \\ \{1, 2, 5\} \rightarrow \{6, 7, 8\} \\ \{1, 2, 6\} \rightarrow \{7, 8\} \\ \{1, 2, 7\} \rightarrow \{8, 9\} \\ \{1, 3, 4\} \rightarrow \{5, 6, 7\} \\ \{1, 3, 5\} \rightarrow \{6, 7, 8\} \\ \{1, 3, 6\} \rightarrow \{7, 8, 9\} \\ \{1, 3, 7\} \rightarrow \{8, 9\} \\ \{1, 3, 8\} \rightarrow \{9, 10\} \\ \{1, 4, 5\} \rightarrow \{6, 7, 8\} \\ \{1, 4, 6\} \rightarrow \{7, 8, 9\} \\ \{1, 4, 7\} \rightarrow \{8, 9, 10\} \end{cases}
```

## a4 = processingfive[vlfive4]

```
\{1, 2, 3\} \rightarrow \{4, 5, 6, 7\}
    \{1, 2, 4\} \rightarrow \{5, 6, 7, 8\}
    \{1, 2, 5\} \rightarrow \{6, 7, 8, 9\}
   \{1\,,\ 2\,,\ 6\,\}\,\rightarrow\,\{\,7\,,\ 8\,,\ 9\,,\ 10\,\}
     \{1, 2, 7\} \rightarrow \{8, 9, 10\}
    \{1, 2, 8\} \rightarrow \{9, 10, 11\}
   \{1, 2, 9\} \rightarrow \{10, 11, 12\}
   \{1, 3, 4\} \rightarrow \{5, 6, 7, 8\}
   \{1, 3, 5\} \rightarrow \{6, 7, 8, 9\}
  \{1, 3, 6\} \rightarrow \{7, 8, 9, 10\}
  \{1, 3, 7\} \rightarrow \{8, 9, 10, 11\}
   \{1, 3, 8\} \rightarrow \{9, 10, 11\}
   \{1, 3, 9\} \rightarrow \{10, 11, 12\}
  \{1, 3, 10\} \rightarrow \{11, 12, 13\}
         \{1, 3, 11\} \rightarrow \{13\}
   \{1, 4, 5\} \rightarrow \{6, 7, 8, 9\}
  \{1, 4, 6\} \rightarrow \{7, 8, 9, 10\}
  \{1, 4, 7\} \rightarrow \{8, 9, 10, 11\}
 \{1, 4, 8\} \rightarrow \{9, 10, 11, 12\}
   \{1, 4, 9\} \rightarrow \{10, 11, 12\}
  \{1, 4, 10\} \rightarrow \{11, 12, 13\}
  \{1, 4, 11\} \rightarrow \{12, 13, 14\}
  \{1, 5, 6\} \rightarrow \{7, 8, 9, 10\}
  \{1, 5, 7\} \rightarrow \{8, 9, 10, 11\}
 \{1, 5, 8\} \rightarrow \{9, 10, 11, 12\}
\{1, 5, 9\} \rightarrow \{10, 11, 12, 13\}
```

# a5 = processingfive[vlfive5]

```
\{1, 2, 3\} \rightarrow \{4, 5, 6, 7, 8\}
     \{1, 2, 4\} \rightarrow \{5, 6, 7, 8, 9\}
     \{1, 2, 5\} \rightarrow \{6, 7, 8, 9, 10\}
    \{1, 2, 6\} \rightarrow \{7, 8, 9, 10, 11\}
   \{1, 2, 7\} \rightarrow \{8, 9, 10, 11, 12\}
     \{1, 2, 8\} \rightarrow \{9, 10, 11, 12\}
    \{1, 2, 9\} \rightarrow \{10, 11, 12, 13\}
   \{1, 2, 10\} \rightarrow \{11, 12, 13, 14\}
   \{1, 2, 11\} \rightarrow \{12, 13, 14, 15\}
     \{1, 3, 4\} \rightarrow \{5, 6, 7, 8, 9\}
     \{1\,,\;3\,,\;5\}\,\rightarrow\,\{\,6\,,\;7\,,\;8\,,\;9\,,\;10\,\}
    \{1, 3, 6\} \rightarrow \{7, 8, 9, 10, 11\}
   \{1, 3, 7\} \rightarrow \{8, 9, 10, 11, 12\}
  \{1,\ 3,\ 8\} \ \rightarrow \{9\,,\ 10\,,\ 11\,,\ 12\,,\ 13\}
    \{1, 3, 9\} \rightarrow \{10, 11, 12, 13\}
    \{1, 3, 10\} \rightarrow \{11, 12, 13, 14\}
    \{1, 3, 11\} \rightarrow \{12, 13, 14, 15\}
   \{1, 3, 12\} \rightarrow \{13, 14, 15, 16\}
          \{1, 3, 13\} \rightarrow \{15, 16\}
          \{1, 3, 14\} \rightarrow \{16, 17\}
     \{1, 4, 5\} \rightarrow \{6, 7, 8, 9, 10\}
    \{1, 4, 6\} \rightarrow \{7, 8, 9, 10, 11\}
   \{1, 4, 7\} \rightarrow \{8, 9, 10, 11, 12\}
  \{1, 4, 8\} \rightarrow \{9, 10, 11, 12, 13\}
 \{1, 4, 9\} \rightarrow \{10, 11, 12, 13, 14\}
   \{1, 4, 10\} \rightarrow \{11, 12, 13, 14\}
   \{1, 4, 11\} \rightarrow \{12, 13, 14, 15\}
   \{1, 4, 12\} \rightarrow \{13, 14, 15, 16\}
   \{1, 4, 13\} \rightarrow \{14, 15, 16, 17\}
          \{1, 4, 14\} \rightarrow \{16, 17\}
          \{1, 4, 15\} \rightarrow \{17, 18\}
   \{1, 5, 6\} \rightarrow \{7, 8, 9, 10, 11\}
   \{1, 5, 7\} \rightarrow \{8, 9, 10, 11, 12\}
  \{1,\;5,\;8\} \;\rightarrow\; \{\,9\,,\;10\,,\;11\,,\;12\,,\;13\,\}
 \{1, 5, 9\} \rightarrow \{10, 11, 12, 13, 14\}
 \{1, 5, 10\} \rightarrow \{11, 12, 13, 14, 15\}
   \{1, 5, 11\} \rightarrow \{12, 13, 14, 15\}
    \{1, 5, 12\} \rightarrow \{13, 14, 15, 16\}
   \{1, 5, 13\} \rightarrow \{14, 15, 16, 17\}
   \{1, 5, 14\} \rightarrow \{15, 16, 17, 18\}
   \{1, 6, 7\} \rightarrow \{8, 9, 10, 11, 12\}
  \{1, 6, 8\} \rightarrow \{9, 10, 11, 12, 13\}
 \{1, 6, 9\} \rightarrow \{10, 11, 12, 13, 14\}
 \{1, 6, 10\} \rightarrow \{11, 12, 13, 14, 15\}
\{1, 6, 11\} \rightarrow \{12, 13, 14, 15, 16\}
```

# a6 = processingfive[vlfive6]

```
\{1, 3, 5\} \rightarrow \{6, 7, 8, 9, 10, 11\}
   \{1, 3, 6\} \rightarrow \{7, 8, 9, 10, 11, 12\}
   \{1, 3, 7\} \rightarrow \{8, 9, 10, 11, 12, 13\}
  \{1, 3, 8\} \rightarrow \{9, 10, 11, 12, 13, 14\}
 \{1, 3, 9\} \rightarrow \{10, 11, 12, 13, 14, 15\}
   \{1, 3, 10\} \rightarrow \{11, 12, 13, 14, 15\}
   \{1, 3, 11\} \rightarrow \{12, 13, 14, 15, 16\}
   \{1, 3, 12\} \rightarrow \{13, 14, 15, 16, 17\}
   \{1, 3, 13\} \rightarrow \{14, 15, 16, 17, 18\}
   \{1, 3, 14\} \rightarrow \{15, 16, 17, 18, 19\}
         \{1, 3, 15\} \rightarrow \{17, 18, 19\}
         \{1, 3, 16\} \rightarrow \{18, 19, 20\}
         \{1\,,\ 3\,,\ 17\,\}\,\rightarrow\,\{19\,,\ 20\,,\ 21\}
    \{\texttt{1, 4, 5}\} \,\rightarrow\, \{\texttt{6, 7, 8, 9, 10, 11}\}
    \{1, 4, 6\} \rightarrow \{7, 8, 9, 10, 11, 12\}
   \{1, 4, 7\} \rightarrow \{8, 9, 10, 11, 12, 13\}
  \{1\text{, }4\text{, }8\} \to \{9\text{, }10\text{, }11\text{, }12\text{, }13\text{, }14\}
 \{1, 4, 9\} \rightarrow \{10, 11, 12, 13, 14, 15\}
\{1, 4, 10\} \rightarrow \{11, 12, 13, 14, 15, 16\}
   \{1, 4, 11\} \rightarrow \{12, 13, 14, 15, 16\}
   \{1, 4, 12\} \rightarrow \{13, 14, 15, 16, 17\}
   \{1, 4, 13\} \rightarrow \{14, 15, 16, 17, 18\}
   \{1, 4, 14\} \rightarrow \{15, 16, 17, 18, 19\}
   \{1, 4, 15\} \rightarrow \{16, 17, 18, 19, 20\}
         \{1, 4, 16\} \rightarrow \{18, 19, 20\}
         \{1, 4, 17\} \rightarrow \{19, 20, 21\}
         \{1, 4, 18\} \rightarrow \{20, 21, 22\}
               \{1, 4, 19\} \rightarrow \{22\}
   \{1, 5, 6\} \rightarrow \{7, 8, 9, 10, 11, 12\}
   \{1, 5, 7\} \rightarrow \{8, 9, 10, 11, 12, 13\}
  \{1, 5, 8\} \rightarrow \{9, 10, 11, 12, 13, 14\}
 \{1, 5, 9\} \rightarrow \{10, 11, 12, 13, 14, 15\}
\{1, 5, 10\} \rightarrow \{11, 12, 13, 14, 15, 16\}
\{1, 5, 11\} \rightarrow \{12, 13, 14, 15, 16, 17\}
   \{1, 5, 12\} \rightarrow \{13, 14, 15, 16, 17\}
   \{1, 5, 13\} \rightarrow \{14, 15, 16, 17, 18\}
   \{1, 5, 14\} \rightarrow \{15, 16, 17, 18, 19\}
   \{1, 5, 15\} \rightarrow \{16, 17, 18, 19, 20\}
   \{1, 5, 16\} \rightarrow \{17, 18, 19, 20, 21\}
         \{1, 5, 17\} \rightarrow \{19, 20, 21\}
         \{\text{1, 5, 18}\} \,\rightarrow\, \{\,\text{20, 21, 22}\}
         \{1, 5, 19\} \rightarrow \{21, 22, 23\}
   \{1, 6, 7\} \rightarrow \{8, 9, 10, 11, 12, 13\}
  \{1, 6, 8\} \rightarrow \{9, 10, 11, 12, 13, 14\}
 \{1, 6, 9\} \rightarrow \{10, 11, 12, 13, 14, 15\}
\{1, 6, 10\} \rightarrow \{11, 12, 13, 14, 15, 16\}
\{\texttt{1, 6, 11}\} \,\rightarrow\, \{\texttt{12, 13, 14, 15, 16, 17}\}
\{1, 6, 12\} \rightarrow \{13, 14, 15, 16, 17, 18\}
   \{1, 6, 13\} \rightarrow \{14, 15, 16, 17, 18\}
   \{1, 6, 14\} \rightarrow \{15, 16, 17, 18, 19\}
   \{1, 6, 15\} \rightarrow \{16, 17, 18, 19, 20\}
   \{1, 6, 16\} \rightarrow \{17, 18, 19, 20, 21\}
   \{1, 6, 17\} \rightarrow \{18, 19, 20, 21, 22\}
  \{1, 7, 8\} \rightarrow \{9, 10, 11, 12, 13, 14\}
 \{1, 7, 9\} \rightarrow \{10, 11, 12, 13, 14, 15\}
\{1, 7, 10\} \rightarrow \{11, 12, 13, 14, 15, 16\}
\{1, 7, 11\} \rightarrow \{12, 13, 14, 15, 16, 17\}
\{1, 7, 12\} \rightarrow \{13, 14, 15, 16, 17, 18\}
\{1, 7, 13\} \rightarrow \{14, 15, 16, 17, 18, 19\}
```

a7 = processingfive[vlfive7]

```
\{1, 2, 3\} \rightarrow \{4, 5, 6, 7, 8, 9, 10\}
    \{1, 2, 4\} \rightarrow \{5, 6, 7, 8, 9, 10, 11\}
   \{1, 2, 5\} \rightarrow \{6, 7, 8, 9, 10, 11, 12\}
   \{1, 2, 6\} \rightarrow \{7, 8, 9, 10, 11, 12, 13\}
 \{1, 2, 7\} \rightarrow \{8, 9, 10, 11, 12, 13, 14\}
 \{1, 2, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15\}
\{1, 2, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16\}
  \{1, 2, 10\} \rightarrow \{11, 12, 13, 14, 15, 16\}
  \{1, 2, 11\} \rightarrow \{12, 13, 14, 15, 16, 17\}
  \{1, 2, 12\} \rightarrow \{13, 14, 15, 16, 17, 18\}
  \{1, 2, 13\} \rightarrow \{14, 15, 16, 17, 18, 19\}
  \{1, 2, 14\} \rightarrow \{15, 16, 17, 18, 19, 20\}
  \{1, 2, 15\} \rightarrow \{16, 17, 18, 19, 20, 21\}
    \{1, 3, 4\} \rightarrow \{5, 6, 7, 8, 9, 10, 11\}
   \{1, 3, 5\} \rightarrow \{6, 7, 8, 9, 10, 11, 12\}
   \{1, 3, 6\} \rightarrow \{7, 8, 9, 10, 11, 12, 13\}
  \{\texttt{1, 3, 7}\} \,\rightarrow\, \{\texttt{8, 9, 10, 11, 12, 13, 14}\}
 \{1, 3, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15\}
\{1, 3, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16\}
\{1, 3, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17\}
  \{1, 3, 11\} \rightarrow \{12, 13, 14, 15, 16, 17\}
  \{1, 3, 12\} \rightarrow \{13, 14, 15, 16, 17, 18\}
  \{1, 3, 13\} \rightarrow \{14, 15, 16, 17, 18, 19\}
  \{1, 3, 14\} \rightarrow \{15, 16, 17, 18, 19, 20\}
  \{1, 3, 15\} \rightarrow \{16, 17, 18, 19, 20, 21\}
  \{1, 3, 16\} \rightarrow \{17, 18, 19, 20, 21, 22\}
        \{1, 3, 17\} \rightarrow \{19, 20, 21, 22\}
        \{1, 3, 18\} \rightarrow \{20, 21, 22, 23\}
        \{1, 3, 19\} \rightarrow \{21, 22, 23, 24\}
        \{1, 3, 20\} \rightarrow \{22, 23, 24, 25\}
   \{1, 4, 5\} \rightarrow \{6, 7, 8, 9, 10, 11, 12\}
  \{1, 4, 6\} \rightarrow \{7, 8, 9, 10, 11, 12, 13\}
 \{1, 4, 7\} \rightarrow \{8, 9, 10, 11, 12, 13, 14\}
 \{1, 4, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15\}
\{1, 4, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16\}
\{1, 4, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17\}
\{\texttt{1, 4, 11}\} \, \rightarrow \, \{\texttt{12, 13, 14, 15, 16, 17, 18}\}
  \{1, 4, 12\} \rightarrow \{13, 14, 15, 16, 17, 18\}
  \{1, 4, 13\} \rightarrow \{14, 15, 16, 17, 18, 19\}
  \{1, 4, 14\} \rightarrow \{15, 16, 17, 18, 19, 20\}
  \{1, 4, 15\} \rightarrow \{16, 17, 18, 19, 20, 21\}
  \{1, 4, 16\} \rightarrow \{17, 18, 19, 20, 21, 22\}
  \{1, 4, 17\} \rightarrow \{18, 19, 20, 21, 22, 23\}
        \{1, 4, 18\} \rightarrow \{20, 21, 22, 23\}
        \{1, 4, 19\} \rightarrow \{21, 22, 23, 24\}
        \{1, 4, 20\} \rightarrow \{22, 23, 24, 25\}
        \{1, 4, 21\} \rightarrow \{23, 24, 25, 26\}
              \{1\,,\,\,4\,,\,\,22\}\,\rightarrow\,\{\,25\,,\,\,26\,\}
              \{\text{1, 4, 23}\} \,\rightarrow\, \{\,\text{26, 27}\}
  \{1, 5, 6\} \rightarrow \{7, 8, 9, 10, 11, 12, 13\}
 \{1, 5, 7\} \rightarrow \{8, 9, 10, 11, 12, 13, 14\}
 \{1, 5, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15\}
\{1, 5, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16\}
\{1, 5, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17\}
\{1, 5, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18\}
\{1, 5, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19\}
  \{1, 5, 13\} \rightarrow \{14, 15, 16, 17, 18, 19\}
  \{1, 5, 14\} \rightarrow \{15, 16, 17, 18, 19, 20\}
  \{1, 5, 15\} \rightarrow \{16, 17, 18, 19, 20, 21\}
  \{1, 5, 16\} \rightarrow \{17, 18, 19, 20, 21, 22\}
  \{1, 5, 17\} \rightarrow \{18, 19, 20, 21, 22, 23\}
```

```
\{1, 5, 18\} \rightarrow \{19, 20, 21, 22, 23, 24\}
        \{1, 5, 19\} \rightarrow \{21, 22, 23, 24\}
        \{1, 5, 20\} \rightarrow \{22, 23, 24, 25\}
        \{1, 5, 21\} \rightarrow \{23, 24, 25, 26\}
        \{1, 5, 22\} \rightarrow \{24, 25, 26, 27\}
              \{1, 5, 23\} \rightarrow \{26, 27\}
              \{1, 5, 24\} \rightarrow \{27, 28\}
  \{1, 6, 7\} \rightarrow \{8, 9, 10, 11, 12, 13, 14\}
 \{1, 6, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15\}
 \{1, 6, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16\}
\{1, 6, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17\}
\{1, 6, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18\}
\{1, 6, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19\}
\{1, 6, 13\} \rightarrow \{14, 15, 16, 17, 18, 19, 20\}
   \{1, 6, 14\} \rightarrow \{15, 16, 17, 18, 19, 20\}
   \{1, 6, 15\} \rightarrow \{16, 17, 18, 19, 20, 21\}
   \{1, 6, 16\} \rightarrow \{17, 18, 19, 20, 21, 22\}
   \{1, 6, 17\} \rightarrow \{18, 19, 20, 21, 22, 23\}
   \{1, 6, 18\} \rightarrow \{19, 20, 21, 22, 23, 24\}
  \{1, 6, 19\} \rightarrow \{20, 21, 22, 23, 24, 25\}
        \{1, 6, 20\} \rightarrow \{22, 23, 24, 25\}
        \{1, 6, 21\} \rightarrow \{23, 24, 25, 26\}
        \{1, 6, 22\} \rightarrow \{24, 25, 26, 27\}
        \{1, 6, 23\} \rightarrow \{25, 26, 27, 28\}
 \{1, 7, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15\}
 \{1, 7, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16\}
\{1, 7, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17\}
\{1, 7, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18\}
\{1, 7, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19\}
\{1, 7, 13\} \rightarrow \{14, 15, 16, 17, 18, 19, 20\}
\{1, 7, 14\} \rightarrow \{15, 16, 17, 18, 19, 20, 21\}
  \{1, 7, 15\} \rightarrow \{16, 17, 18, 19, 20, 21\}
  \{1, 7, 16\} \rightarrow \{17, 18, 19, 20, 21, 22\}
  \{1, 7, 17\} \rightarrow \{18, 19, 20, 21, 22, 23\}
  \{1, 7, 18\} \rightarrow \{19, 20, 21, 22, 23, 24\}
  \{1, 7, 19\} \rightarrow \{20, 21, 22, 23, 24, 25\}
  \{1, 7, 20\} \rightarrow \{21, 22, 23, 24, 25, 26\}
 \{1, 8, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16\}
\{1, 8, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17\}
\{1, 8, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18\}
\{1, 8, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19\}
\{1, 8, 13\} \rightarrow \{14, 15, 16, 17, 18, 19, 20\}
\{1, 8, 14\} \rightarrow \{15, 16, 17, 18, 19, 20, 21\}
\{1, 8, 15\} \rightarrow \{16, 17, 18, 19, 20, 21, 22\}
```

## a8 = processingfive[vlfive8]

```
\{1, 3, 4\} \rightarrow \{5, 6, 7, 8, 9, 10, 11, 12\}
   \{1, 3, 5\} \rightarrow \{6, 7, 8, 9, 10, 11, 12, 13\}
  \{1, 3, 6\} \rightarrow \{7, 8, 9, 10, 11, 12, 13, 14\}
  \{1, 3, 7\} \rightarrow \{8, 9, 10, 11, 12, 13, 14, 15\}
 \{1, 3, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15, 16\}
\{1, 3, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16, 17\}
\{1, 3, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17, 18\}
\{1, 3, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18, 19\}
  \{1, 3, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19\}
  \{1, 3, 13\} \rightarrow \{14, 15, 16, 17, 18, 19, 20\}
  \{1, 3, 14\} \rightarrow \{15, 16, 17, 18, 19, 20, 21\}
  \{1, 3, 15\} \rightarrow \{16, 17, 18, 19, 20, 21, 22\}
  \{\texttt{1, 3, 16}\} \rightarrow \{\texttt{17, 18, 19, 20, 21, 22, 23}\}
  \{1, 3, 17\} \rightarrow \{18, 19, 20, 21, 22, 23, 24\}
  \{1, 3, 18\} \rightarrow \{19, 20, 21, 22, 23, 24, 25\}
        \{1, 3, 19\} \rightarrow \{21, 22, 23, 24, 25\}
        \{1, 3, 20\} \rightarrow \{22, 23, 24, 25, 26\}
        \{1, 3, 21\} \rightarrow \{23, 24, 25, 26, 27\}
        \{1, 3, 22\} \rightarrow \{24, 25, 26, 27, 28\}
        \{\text{1, 3, 23}\} \,\rightarrow\, \{\,\text{25, 26, 27, 28, 29}\,\}
   \{\texttt{1, 4, 5}\} \,\rightarrow\, \{\texttt{6, 7, 8, 9, 10, 11, 12, 13}\}
   \{1, 4, 6\} \rightarrow \{7, 8, 9, 10, 11, 12, 13, 14\}
  \{1, 4, 7\} \rightarrow \{8, 9, 10, 11, 12, 13, 14, 15\}
 \{1, 4, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15, 16\}
\{1, 4, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16, 17\}
\{1, 4, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17, 18\}
\{1, 4, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18, 19\}
\{1, 4, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19, 20\}
  \{1, 4, 13\} \rightarrow \{14, 15, 16, 17, 18, 19, 20\}
  \{1, 4, 14\} \rightarrow \{15, 16, 17, 18, 19, 20, 21\}
  \{1, 4, 15\} \rightarrow \{16, 17, 18, 19, 20, 21, 22\}
  \{1, 4, 16\} \rightarrow \{17, 18, 19, 20, 21, 22, 23\}
  \{1, 4, 17\} \rightarrow \{18, 19, 20, 21, 22, 23, 24\}
  \{\texttt{1, 4, 18}\} \, \rightarrow \, \{\texttt{19, 20, 21, 22, 23, 24, 25}\}
  \{1, 4, 19\} \rightarrow \{20, 21, 22, 23, 24, 25, 26\}
        \{1, 4, 20\} \rightarrow \{22, 23, 24, 25, 26\}
        \{1, 4, 21\} \rightarrow \{23, 24, 25, 26, 27\}
        \{1, 4, 22\} \rightarrow \{24, 25, 26, 27, 28\}
        \{1, 4, 23\} \rightarrow \{25, 26, 27, 28, 29\}
        \{1, 4, 24\} \rightarrow \{26, 27, 28, 29, 30\}
              \{1, 4, 25\} \rightarrow \{28, 29, 30\}
              \{1, 4, 26\} \rightarrow \{29, 30, 31\}
             \{1, 4, 27\} \rightarrow \{30, 31, 32\}
  \{1, 5, 6\} \rightarrow \{7, 8, 9, 10, 11, 12, 13, 14\}
  \{1, 5, 7\} \rightarrow \{8, 9, 10, 11, 12, 13, 14, 15\}
 \{1, 5, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15, 16\}
\{1, 5, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16, 17\}
\{1, 5, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17, 18\}
\{1, 5, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18, 19\}
\{1, 5, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19, 20\}
\{1, 5, 13\} \rightarrow \{14, 15, 16, 17, 18, 19, 20, 21\}
  \{1, 5, 14\} \rightarrow \{15, 16, 17, 18, 19, 20, 21\}
  \{1, 5, 15\} \rightarrow \{16, 17, 18, 19, 20, 21, 22\}
  \{1, 5, 16\} \rightarrow \{17, 18, 19, 20, 21, 22, 23\}
  \{1, 5, 17\} \rightarrow \{18, 19, 20, 21, 22, 23, 24\}
  \{1, 5, 18\} \rightarrow \{19, 20, 21, 22, 23, 24, 25\}
  \{1, 5, 19\} \rightarrow \{20, 21, 22, 23, 24, 25, 26\}
  \{1, 5, 20\} \rightarrow \{21, 22, 23, 24, 25, 26, 27\}
        \{1, 5, 21\} \rightarrow \{23, 24, 25, 26, 27\}
        \{1, 5, 22\} \rightarrow \{24, 25, 26, 27, 28\}
        \{1, 5, 23\} \rightarrow \{25, 26, 27, 28, 29\}
```

```
\{1, 5, 24\} \rightarrow \{26, 27, 28, 29, 30\}
        \{1, 5, 25\} \rightarrow \{27, 28, 29, 30, 31\}
              \{1, 5, 26\} \rightarrow \{29, 30, 31\}
              \{1, 5, 27\} \rightarrow \{30, 31, 32\}
              \{1, 5, 28\} \rightarrow \{31, 32, 33\}
                    \{1, 5, 29\} \rightarrow \{33\}
  \{1, 6, 7\} \rightarrow \{8, 9, 10, 11, 12, 13, 14, 15\}
 \{1, 6, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15, 16\}
\{1, 6, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16, 17\}
\{1, 6, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17, 18\}
\{1, 6, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18, 19\}
\{1, 6, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19, 20\}
\{1, 6, 13\} \rightarrow \{14, 15, 16, 17, 18, 19, 20, 21\}
\{1, 6, 14\} \rightarrow \{15, 16, 17, 18, 19, 20, 21, 22\}
  \{1, 6, 15\} \rightarrow \{16, 17, 18, 19, 20, 21, 22\}
  \{\texttt{1, 6, 16}\} \, \rightarrow \, \{\texttt{17, 18, 19, 20, 21, 22, 23}\}
  \{1, 6, 17\} \rightarrow \{18, 19, 20, 21, 22, 23, 24\}
  \{1, 6, 18\} \rightarrow \{19, 20, 21, 22, 23, 24, 25\}
  \{1, 6, 19\} \rightarrow \{20, 21, 22, 23, 24, 25, 26\}
  \{1, 6, 20\} \rightarrow \{21, 22, 23, 24, 25, 26, 27\}
  \{1, 6, 21\} \rightarrow \{22, 23, 24, 25, 26, 27, 28\}
        \{1, 6, 22\} \rightarrow \{24, 25, 26, 27, 28\}
        \{1, 6, 23\} \rightarrow \{25, 26, 27, 28, 29\}
        \{1, 6, 24\} \rightarrow \{26, 27, 28, 29, 30\}
        \{1, 6, 25\} \rightarrow \{27, 28, 29, 30, 31\}
        \{1, 6, 26\} \rightarrow \{28, 29, 30, 31, 32\}
              \{1, 6, 27\} \rightarrow \{30, 31, 32\}
              \{1, 6, 28\} \rightarrow \{31, 32, 33\}
              \{1, 6, 29\} \rightarrow \{32, 33, 34\}
 \{1, 7, 8\} \rightarrow \{9, 10, 11, 12, 13, 14, 15, 16\}
\{1, 7, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16, 17\}
\{1, 7, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17, 18\}
\{1, 7, 11\} \rightarrow \{12, 13, 14, 15, 16, 17, 18, 19\}
\{1, 7, 12\} \rightarrow \{13, 14, 15, 16, 17, 18, 19, 20\}
\{1, 7, 13\} \rightarrow \{14, 15, 16, 17, 18, 19, 20, 21\}
\{1, 7, 14\} \rightarrow \{15, 16, 17, 18, 19, 20, 21, 22\}
\{1, 7, 15\} \rightarrow \{16, 17, 18, 19, 20, 21, 22, 23\}
  \{1, 7, 16\} \rightarrow \{17, 18, 19, 20, 21, 22, 23\}
  \{1, 7, 17\} \rightarrow \{18, 19, 20, 21, 22, 23, 24\}
  \{\texttt{1, 7, 18}\} \rightarrow \{\texttt{19, 20, 21, 22, 23, 24, 25}\}
  \{1\text{, }7\text{, }19\} \to \{20\text{, }21\text{, }22\text{, }23\text{, }24\text{, }25\text{, }26\}
  \{1, 7, 20\} \rightarrow \{21, 22, 23, 24, 25, 26, 27\}
  \{1, 7, 21\} \rightarrow \{22, 23, 24, 25, 26, 27, 28\}
  \{1, 7, 22\} \rightarrow \{23, 24, 25, 26, 27, 28, 29\}
        \{1, 7, 23\} \rightarrow \{25, 26, 27, 28, 29\}
        \{1, 7, 24\} \rightarrow \{26, 27, 28, 29, 30\}
        \{1, 7, 25\} \rightarrow \{27, 28, 29, 30, 31\}
        \{1, 7, 26\} \rightarrow \{28, 29, 30, 31, 32\}
        \{1, 7, 27\} \rightarrow \{29, 30, 31, 32, 33\}
\{1, 8, 9\} \rightarrow \{10, 11, 12, 13, 14, 15, 16, 17\}
\{1, 8, 10\} \rightarrow \{11, 12, 13, 14, 15, 16, 17, 18\}
\{1\text{, 8, 11}\} \rightarrow \{12\text{, 13, 14, 15, 16, 17, 18, 19}\}
\{1\text{, 8, 12}\} \,\rightarrow\, \{13\text{, 14, 15, 16, 17, 18, 19, 20}\}
\{\texttt{1, 8, 13}\} \,\rightarrow\, \{\texttt{14, 15, 16, 17, 18, 19, 20, 21}\}
\{\texttt{1, 8, 14}\} \rightarrow \{\texttt{15, 16, 17, 18, 19, 20, 21, 22}\}
\{1, 8, 15\} \rightarrow \{16, 17, 18, 19, 20, 21, 22, 23\}
\{1, 8, 16\} \rightarrow \{17, 18, 19, 20, 21, 22, 23, 24\}
   \{1, 8, 17\} \rightarrow \{18, 19, 20, 21, 22, 23, 24\}
  \{1, 8, 18\} \rightarrow \{19, 20, 21, 22, 23, 24, 25\}
   \{1, 8, 19\} \rightarrow \{20, 21, 22, 23, 24, 25, 26\}
  \{1, 8, 20\} \rightarrow \{21, 22, 23, 24, 25, 26, 27\}
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 \{1,\,8,\,21\} \rightarrow \{22,\,23,\,24,\,25,\,26,\,27,\,28\} \\ \{1,\,8,\,22\} \rightarrow \{23,\,24,\,25,\,26,\,27,\,28,\,29\} \\ \{1,\,8,\,23\} \rightarrow \{24,\,25,\,26,\,27,\,28,\,29,\,30\} \\ \{1,\,9,\,10\} \rightarrow \{11,\,12,\,13,\,14,\,15,\,16,\,17,\,18,\,19\} \\ \{1,\,9,\,11\} \rightarrow \{12,\,13,\,14,\,15,\,16,\,17,\,18,\,19,\,20\} \\ \{1,\,9,\,12\} \rightarrow \{13,\,14,\,15,\,16,\,17,\,18,\,19,\,20\} \\ \{1,\,9,\,13\} \rightarrow \{14,\,15,\,16,\,17,\,18,\,19,\,20,\,21\} \\ \{1,\,9,\,14\} \rightarrow \{15,\,16,\,17,\,18,\,19,\,20,\,21,\,22\} \\ \{1,\,9,\,15\} \rightarrow \{16,\,17,\,18,\,19,\,20,\,21,\,22,\,23\} \\ \{1,\,9,\,16\} \rightarrow \{17,\,18,\,19,\,20,\,21,\,22,\,23,\,24\} \\ \{1,\,9,\,17\} \rightarrow \{18,\,19,\,20,\,21,\,22,\,23,\,24,\,25\}
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