$$L[ijx\ J\overline{X}\ \overline{IX}\ \overline{IJ}] \leftarrow \max$$
$$A[j\ i]\quad L[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}]$$

$$L[ijx\ \overline{JX}\ I\overline{X}\ \overline{IJ}] \leftarrow \max$$
$$A[i\ j]\quad L[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}]$$

$$R[ijx\ J\overline{X}\ \overline{IX}\ \overline{IJ}] \leftarrow \max$$
$$A[j\ i]\quad R[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}]$$

$$R[ijx\ \overline{JX}\ I\overline{X}\ \overline{IJ}] \leftarrow \max$$
$$A[i\ j]\quad R[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}]$$

$$\underset{\sim}{N}[ijx\ .X\ .\overline{X}\ \overline{IJ}] \leftarrow \max$$
$$A[x\ i]\quad N[ijx\ .\overline{X}\ .\overline{X}\ \overline{IJ}]$$

$$\underset{\sim}{N}[ijx\ .\overline{X}\ .X\ \overline{IJ}] \leftarrow \max$$
$$A[x\ j]\quad N[ijx\ .\overline{X}\ .\overline{X}\ \overline{IJ}]$$

$$N[ijx\ J\overline{X}\ \overline{IX}\ \overline{IJ}] \leftarrow \max$$
$$A[j\ i]\quad N[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}]$$

$$N[ijx\ \overline{JX}\ I\overline{X}\ \overline{IJ}] \leftarrow \max$$
$$A[i\ j]\quad N[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}]$$

$$I[ij\ F\ I] \leftarrow \max$$
$$A[i\ j]\quad I[ij\ F\ \overline{I}]$$

$$I[ij\ J\ F] \leftarrow \max$$
$$A[j\ i]\quad I[ij\ \overline{J}\ F]$$

$$X[ijx\ .X\ .\overline{X}\ F] \leftarrow \max$$
$$A[x\ i]\quad I[ij\ .\ .]$$

$$X[ijx\ .\overline{X}\ .\overline{X}\ I\overline{J}] \leftarrow \max$$
$$A[i\ x]\quad I[ij\ .\ .]$$

$$X[ijx\ .\overline{X}\ .X\ F] \leftarrow \max$$
$$A[x\ j]\quad I[ij\ .\ .]$$

$$X[ijx\ .\overline{X}\ .\overline{X}\ \overline{I}J] \leftarrow \max$$
$$A[j\ x]\quad I[ij\ .\ .]$$

$$I[ij\ F\ \overline{I}] \leftarrow \max$$
$$
\begin{cases}
I[i\ i{+}1\ F\ F]\quad I[i{+}1\ j\ \overline{F}\ F] \\
\max_{k\in(i,j)} \\
\quad
\begin{cases}
I[ik\ F\ I]\quad I[kj\ .\ .] \\
BLRN\cdot[ikj\ F\ I\overline{J}\ \overline{IK}]\quad I[kj\ .\ .] \\
\max_{l\in(k,j)} \\
\quad
\begin{cases}
RN\cdot[ikl\ F\ I\overline{L}\ \overline{IK}]\quad I[kl\ .\ .]\quad \cdot LNX[ljk\ .\overline{K}\ .\ \overline{L}.] \\
BLRN\cdot[ikl\ F\ I\overline{L}\ \overline{IK}]\quad I[kl\ .\ .]\quad I[lj\ .\ .]
\end{cases} \\
\max_{l\in(i,k)} \\
\quad
\begin{cases}
RNX\cdot[ilk\ F\ .\overline{K}\ I\overline{L}]\quad I[lk\ .\ .]\quad \cdot\underset{\sim}{LN}[kjl\ .\overline{L}\ .\ \overline{K}.]
\end{cases}
\end{cases}
\end{cases}
$$

$$I[ij\ j\ F] \leftarrow \max_{k\in(i,j)}$$
$$
\begin{cases}
I[ik\ \overline{F}\ .]\quad I[kj\ J\ F] \\
I[ik\ \overline{F}\ .]\quad \cdot BLRN[kji\ J\overline{I}\ F\ \overline{KJ}] \\
\max_{l\in(i,k)} \\
\quad
\begin{cases}
RNX\cdot[ilk\ \overline{F}\ .\overline{K}\ .\overline{L}]\quad I[lk\ .\ .]\quad \cdot LN[kjl\ J\overline{L}\ F\ \overline{KJ}] \\
I[il\ \overline{F}\ .]\quad I[lk\ .\ .]\quad \cdot BLRN[kjl\ J\overline{L}\ F\ \overline{KJ}]
\end{cases} \\
\max_{l\in(k,j)} \\
\quad
\begin{cases}
\underset{\sim}{RN}\cdot[ikl\ \overline{F}\ .\overline{L}\ .\overline{K}]\quad I[kl\ .\ .]\quad \cdot LNX[ljk\ .\overline{K}\ F\ \overline{L}J]
\end{cases}
\end{cases}
$$

$$\underset{.}{L}[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}] \leftarrow \max_{k\in(i,j)}$$
$$
\begin{cases}
X[ikx\ .\overline{X}\ .X\ F]\quad \cdot N[kji\ .\overline{I}\ .\overline{I}\ \overline{KJ}] \\
X[ikx\ .\overline{X}\ .\overline{X}\ \overline{I}K]\quad \cdot N[kji\ .\overline{I}\ .\overline{I}\ \overline{KJ}]
\end{cases}
$$

$$\underset{.}{R}[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}] \leftarrow \max_{k\in(i,j)}$$
$$
\begin{cases}
N\cdot[ikj\ .\overline{J}\ .\overline{J}\ \overline{IK}]\quad X[kjx\ .X\ .\overline{X}\ F] \\
N\cdot[ikj\ .\overline{J}\ .\overline{J}\ \overline{IK}]\quad X[kjx\ .\overline{X}\ .\overline{X}\ K\overline{J}]
\end{cases}
$$

$$\underset{\sim}{N}[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}] \leftarrow \max_{k\in(i,j)}$$
$$
\begin{cases}
\cdot N[ikx\ \overline{KX}\ \overline{IX}\ \overline{IK}]\quad I[kj\ .\ .] \\
\cdot N[ikx\ \overline{KX}\ \overline{IX}\ \overline{IK}]\quad I[kj\ .\ .] \\
I[ik\ .\ .]\quad N\cdot[kjx\ \overline{JX}\ \overline{KX}\ \overline{KJ}] \\
I[ik\ .\ .]\quad N\cdot[kjx\ \overline{JX}\ \overline{KX}\ K\overline{J}]
\end{cases}
$$

$$\underset{.}{N}[ijx\ \overline{JX}\ \overline{IX}\ \overline{IJ}] \leftarrow \max_{k\in(i,j)}$$
$$
\begin{cases}
\cdot X[ikx\ .\overline{X}\ .X\ \overline{IK}]\quad I[kj\ .\ .] \\
\cdot X[ikx\ .\overline{X}\ .\overline{X}\ \overline{I}K]\quad I[kj\ .\ .] \\
I[ik\ .\ .]\quad X\cdot[kjx\ .X\ .\overline{X}\ \overline{KJ}] \\
I[ik\ .\ .]\quad X\cdot[kjx\ .\overline{X}\ .\overline{X}\ K\overline{J}]
\end{cases}
$$