

```
\begin{array}{l} w_{\pmb{i}_\xi} = 1 \\ w_{\pmb{i}} = 1 \end{array}
w_{j_{\xi}} = 0
\vec{w_j} = 0
do n_{j} = |j|, 0, -1
do n'_{j} = n_{j}, 0, -1
         w_{j_{\xi}} = w_{j_{\xi}} + 1
         \vec{w_j} = \vec{w_j} + 1
         \{w_{j_{\xi}}, w_{i}\} \stackrel{x_{\text{recurrence}}}{\Rightarrow} \{w_{j}, w_{i_{\xi}}\}' \text{ with } i_{x} = |i| \text{ and } j_{x} = n'_{j}
     end do
    w_{\boldsymbol{j}_{\boldsymbol{\xi}}} = w_{\boldsymbol{j}_{\boldsymbol{\xi}}} + 1
end do
do n_i = 0, |i|
     w_{i_{\xi}} = w_{i_{\xi}} + 1
     \vec{w_{j_{\xi}}} = 1
     w_j = 0
    w_{j\xi} = w_{j\xi} + 1
w_{j} = w_{j} + 1
              \{w_{j_{\xi}}, w_{i} + n_{i}\} \stackrel{\text{yrecurrence}}{\Rightarrow} \{w_{j}, w_{i_{\xi}}\}' \text{ with } i_{y} = n_{i} \text{ and } j_{y} = n'_{j}
         w_{j_{\xi}} = w_{j_{\xi}} + 1
    end do
end do
w_i = w_i - 1
w_i = w_i + 1
         w_{\pmb{i}_\xi} = w_{\pmb{i}_\xi} + 1
         w_{\boldsymbol{j}_{\boldsymbol{\xi}}} = |\boldsymbol{j}| + 2
         w_j = 0
         do n_j = 0, |j|
              do n_{\boldsymbol{j}}' = n_{\boldsymbol{j}}, |\boldsymbol{j}|
                  w_{j_{\xi}} = w_{j_{\xi}} + 1
                   w_j = w_j + 1
                    \{w_{j_{\mathcal{E}}}, w_{i}\} \stackrel{z_{\text{recurrence}}}{\Rightarrow} \{w_{j}, w_{i_{\mathcal{E}}}\}' \text{ with } i_{z} = n_{i}, \text{ and } j_{z} = n_{j}
              end do
         end do
    end do
```

end do

```
    \text{do } n_{\boldsymbol{j}} = |\boldsymbol{j}|, 0, -1 \\
    \text{do } n'_{\boldsymbol{j}} = 0, n_{\boldsymbol{j}}

            w_{j\xi} = w_{j\xi} + 1w_{j} = w_{j} + 1
             \vec{w_i} = \vec{1}
              w_{i_{\xi}} = 1
              \{\boldsymbol{w_i}, w_{\boldsymbol{j_\xi}}\} \overset{x_{\text{recurrence}}}{\Rightarrow} \{w_{\boldsymbol{i_\xi}}, w_{\boldsymbol{j}}\}'
                    with \vec{i}_x = |\vec{i}| and \vec{j}_x = n_j - n'_j
             do n_i = 0, |i|
                    w_{\pmb{i}_\xi} = w_{\pmb{i}_\xi} + 1
                    \{\boldsymbol{w_i} + \boldsymbol{n_i}, \boldsymbol{w_{j_\xi}} + 1\} \overset{\boldsymbol{y_{\text{recurrence}}}}{\Rightarrow} \{\boldsymbol{w_{i_\varepsilon}}, \boldsymbol{w_j}\}'
                          with i_y = n_i and j_y = n'_j
             end do
              w_i = 0
             do n_{i} = 0, |i|
                   \operatorname{do} n_{\boldsymbol{i}}' = 0, |\boldsymbol{i}| - n_{\boldsymbol{i}}
                          w_i = w_i + 1
                          w_{{\boldsymbol i}_\xi} = w_{{\boldsymbol i}_\xi} + 1
                           \{w_{\pmb{i}}, w_{\pmb{j}_{\mathcal{E}}} + n_{\pmb{j}} + 2\} \stackrel{z_{\text{recurrence}}}{\Rightarrow} \{w_{\pmb{i}_{\mathcal{E}}}, w_{\pmb{j}}\}'
                                 with \hat{\boldsymbol{i}}_z = n_{\boldsymbol{i}} and \boldsymbol{j}_z = |\boldsymbol{j}| - n_{\boldsymbol{j}}
                    end do
             end do
       end do
       w_{\boldsymbol{j}_{\xi}} = w_{\boldsymbol{j}_{\xi}} + 1
end do
```