Original signal

Partition in connected subgraphs of $\mathbf{A}$


$$
\left[\widetilde{N}_{1}=4\right]
$$

Level (1)


Partition in connected subgraphs of $\mathbf{A l}_{1}$


$$
\left[\tilde{N}_{2}=3\right]
$$

Level (2)
Partition in

connected subgraphs of Al

$$
\begin{gathered}
{\left[\widetilde{N}_{3}=2\right]} \\
\left(\mathbf{x}_{1}, \mathbf{A}_{1}\right)^{(3)}
\end{gathered}
$$

