On \(t\)-type \(s\) Cuts and \(t\) Cuts of Occurrence Nets

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Abstract This paper discussed the \(t\)-type \(s\) cuts and \(t\) cuts of occurrence nets. The concept of transfer sets were introduced and used to transfer one \(t\) cut to another. The concept of \(t\)-type \(s\) cut was introduced, that is the correspondence between the set of \(t\)-type \(s\) cut and the set of \(t\) cuts was proved; that every \(t\) cut is the accompany set of an \(t\)-type \(s\) cut and that the transfer of a \(t\) cut correspond to the transfer of an \(t\)-type \(s\) cut with some transfer set were also proved.

Keywords Occurrence net, \(t\) cuts, Transfer set, \(t\)-type \(s\) cuts
定义

设

\( N = (B, E; G) \) 是出现网，
\( u \) 是
\( N \) 的
\( s \) 切，
令
\( E(u) = \{ e \in E | e \nsubseteq u \} \) 为
\( u \) 的
\( s \) 切。
以 $c, x \in G^+, (c, x) \in G^+$，则 $(g, f) \in G^+ \times G^+$，因此 $(g, f) \in G^+ \times G^+$，若 $g \in \tau$，则 $(g, x) \in G^+$，若 $t = c \cdot f$，则 $(t, x) \in G^+$，因此 $(t, x) \in G^+$。若 $E(u) \in E(u)$，则 $E(u) \in E(u)$，因为有 $E(u) \in E(u)$。