
Listing 1: Table algorithm $S(t, \chi(t), \varphi_t, \langle \tau_1, \dots, \tau_\ell \rangle)$ for #SAT using nice TDs.

In: Node t , bag $\chi(t)$, clauses φ_t , sequence $\langle \tau_1, \dots, \tau_\ell \rangle$ of child tables. **Out:** Table τ_t .

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1 if type( $t$ ) = leaf then  $\tau_t := \{\langle \emptyset, 1 \rangle\}$ 
2 else if type( $t$ ) = intr, and  $a \in \chi(t)$  is introduced then
3   |  $\tau_t := \{\langle J, c \rangle \mid \langle I, c \rangle \in \tau_1, J \in \{I_{a \mapsto 0}^+, I_{a \mapsto 1}^+\}, \varphi_t(J) = \emptyset\}$ 
4 else if type( $t$ ) = rem, and  $a \notin \chi(t)$  is removed then
5   |  $\tau_t := \{\langle I_a^-, \Sigma_{\langle J, c \rangle \in \tau_1: I_a^- = J_a^-} c \rangle \mid \langle I, \cdot \rangle \in \tau_1\}$ 
6 else if type( $t$ ) = join then
7   |  $\tau_t := \{\langle I, c_1 \cdot c_2 \rangle \mid \langle I, c_1 \rangle \in \tau_1, \langle I, c_2 \rangle \in \tau_2\}$ 

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$I_e^- := I \setminus \{e \mapsto 0, e \mapsto 1\}$, $I_{e \mapsto b}^+ := I \cup \{e \mapsto b\}$.