Lösungsstrategien für NP-schwere Probleme der Kombinatorischen Optimierung

— Übungsblatt 4 —

Walter Stieben (4stieben@inf, 6704488)

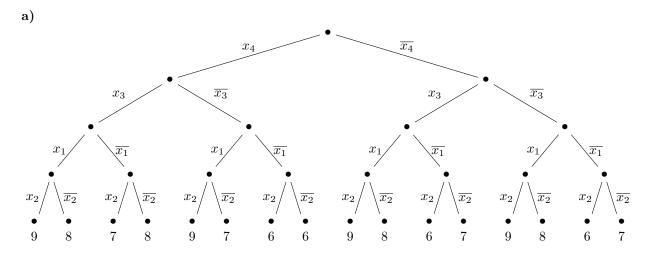
Tim Reipschläger (4reipsch@inf, 6690266)

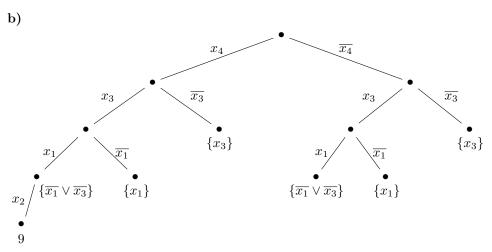
Louis Kobras (4kobras@inf, 6658699)

Hauke Stieler (4stieler@inf, 6664494)

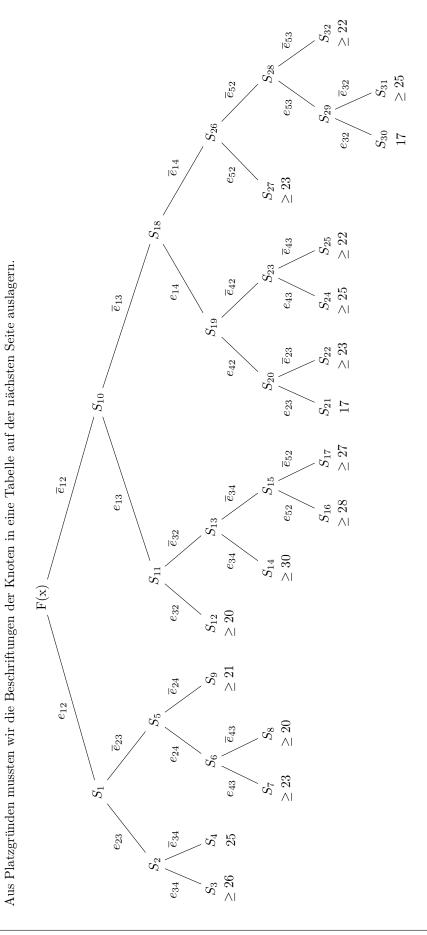
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Aufgabe 4.1





Aufgabe 4.2



Hier die Tabelle mit den Beschriftungen der Knoten.

S_1	$S(e_{12})$
S_2	$S(e_{12}, e_{23})$
S_3	$S(e_{12}, e_{23}, e_{34})$
S_4	$S(e_{12},e_{23},\overline{e}_{34})$
S_5	$S(e_{12},\overline{e}_{23})$
S_6	$S(e_{12}, \overline{e}_{23}, e_{24})$
S_7	$S(e_{12}, \overline{e}_{23}, e_{24}, e_{43})$
S_8	$S(e_{12},\overline{e}_{23},e_{24},\overline{e}_{43})$
S_9	$S(e_{12},\overline{e}_{23},\overline{e}_{24})$
S_{10}	$S(\overline{e}_{12})$
S_{11}	$S(\overline{e}_{12},e_{13})$
S_{12}	$S(\overline{e}_{12}, e_{13}, e_{32})$
S_{13}	$S(\overline{e}_{12},e_{13},\overline{e}_{32})$
S_{14}	$S(\overline{e}_{12}, e_{13}, \overline{e}_{32}, e_{34})$
S_{15}	$S(\overline{e}_{12}, e_{13}, \overline{e}_{32}, \overline{e}_{34})$
S_{16}	$S(\overline{e}_{12}, e_{13}, \overline{e}_{32}, \overline{e}_{34}, e_{52})$
S_{17}	$S(\overline{e}_{12}, e_{13}, \overline{e}_{32}, \overline{e}_{34}, \overline{e}_{52})$
S_{18}	$S(\overline{e}_{12},\overline{e}_{13})$
S_{19}	$S(\overline{e}_{12},\overline{e}_{13},e_{14})$
S_{20}	$S(\overline{e}_{12}, \overline{e}_{13}, e_{14}, e_{42})$
S_{21}	$S(\overline{e}_{12}, \overline{e}_{13}, e_{14}, e_{42}, e_{23})$
S_{22}	$S(\overline{e}_{12}, \overline{e}_{13}, e_{14}, e_{42}, \overline{e}_{23})$
S_{23}	$S(\overline{e}_{12},\overline{e}_{13},e_{14},\overline{e}_{42})$
S_{24}	$S(\overline{e}_{12}, \overline{e}_{13}, e_{14}, \overline{e}_{42}, e_{43})$
S_{25}	$S(\overline{e}_{12}, \overline{e}_{13}, e_{14}, \overline{e}_{42}, \overline{e}_{43})$
S_{26}	$S(\overline{e}_{12},\overline{e}_{13},\overline{e}_{14})$
S_{27}	$S(\overline{e}_{12},\overline{e}_{13},\overline{e}_{14},e_{52})$
S_{28}	$S(\overline{e}_{12},\overline{e}_{13},\overline{e}_{14},\overline{e}_{52})$
S_{29}	$S(\overline{e}_{12},\overline{e}_{13},\overline{e}_{14},\overline{e}_{52},e_{53})$
S_{30}	$S(\overline{e}_{12},\overline{e}_{13},\overline{e}_{14},\overline{e}_{52},e_{53},e_{32})$
S_{31}	$S(\overline{e}_{12}, \overline{e}_{13}, \overline{e}_{14}, \overline{e}_{52}, e_{53}, \overline{e}_{32})$
S_{32}	$S(\overline{e}_{12},\overline{e}_{13},\overline{e}_{14},\overline{e}_{52},\overline{e}_{53})$