

vertex	type	index	Value of $T[i]$	set $S_i$
$p_i$	1	1	0, 1, 2 or 3	$v_i \in S_i$
$s_i$	2	1	1 or 2	$S_i = \{h_i\}$ or $S_i = \{l_i\}$
$q_i$	2	1	3	$S_i = \{h_i, l_i\}$
$r_i$	2	2	3	$S_i = \{h_i, m_i\}$
$t_i$	3	1	0 or 2	$S_i = \{m_i\}$ or $S_i = \Phi$
$u_i$	4	1	0 or 2	$S_i = \{m_i\}$ or $S_i = \Phi$