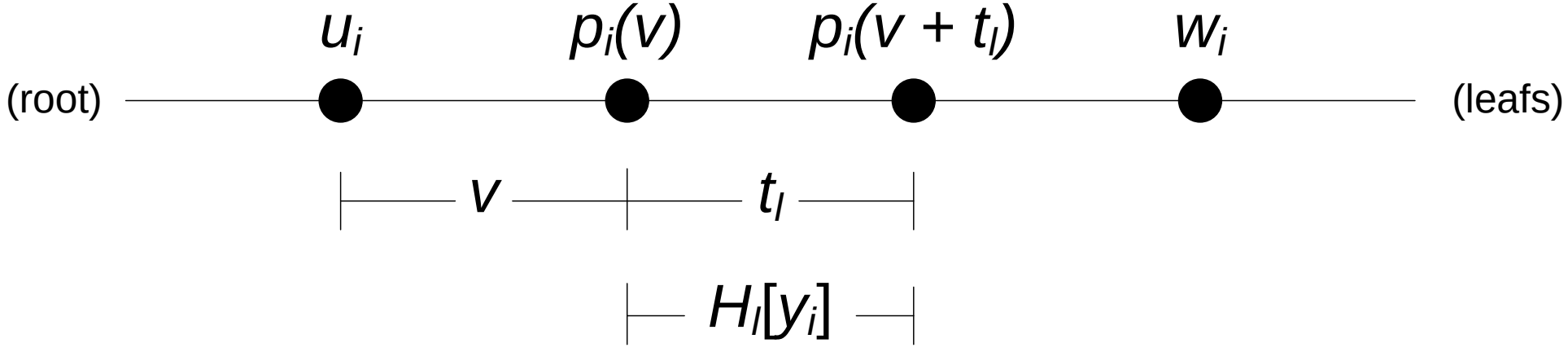
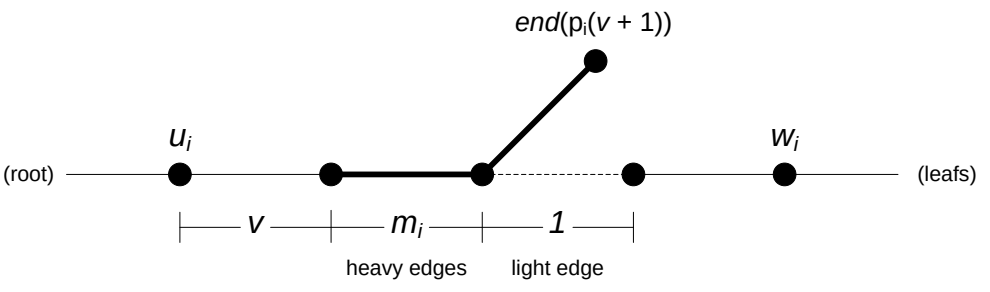
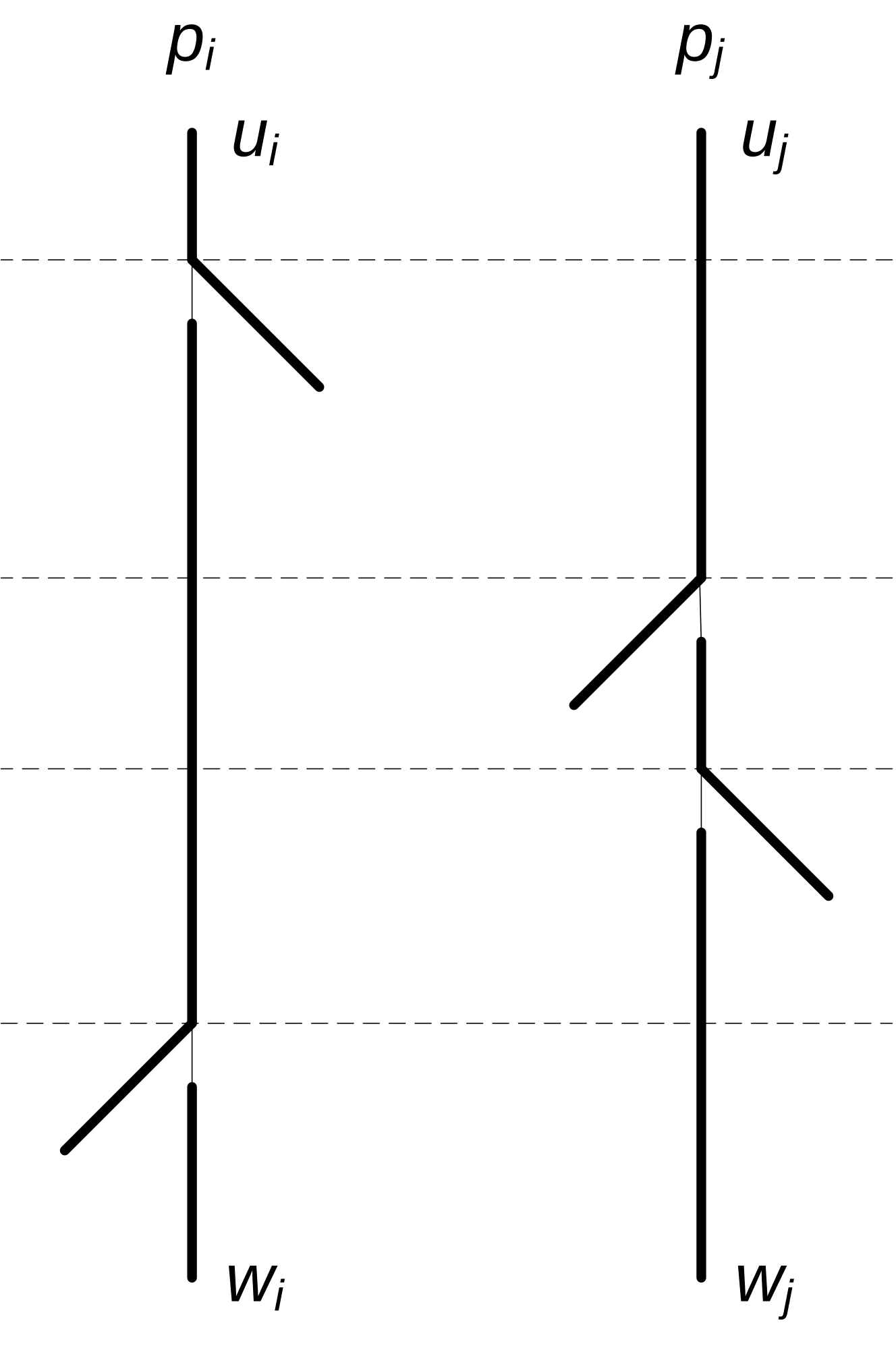
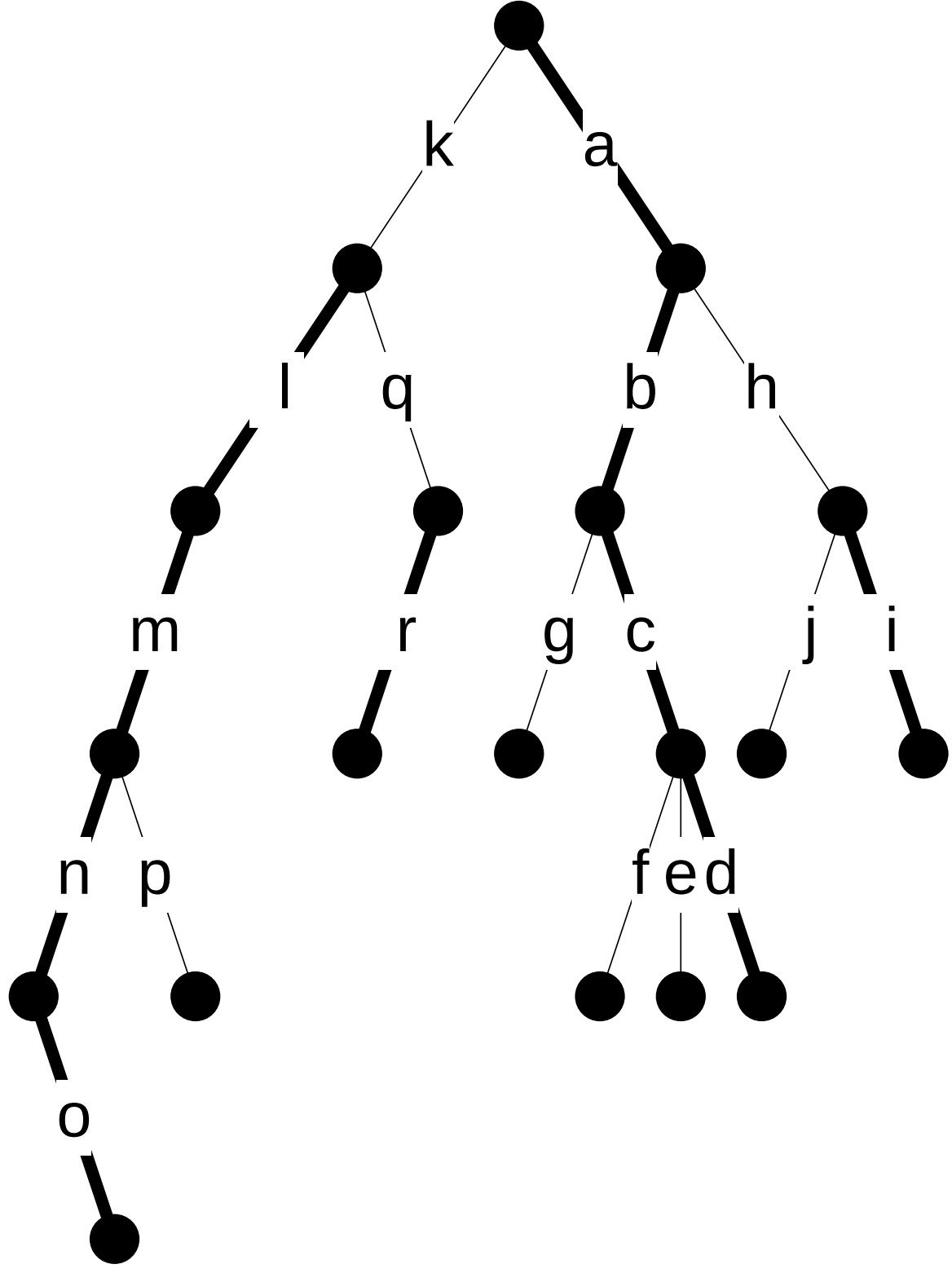

u_i
$p_i(v)$
$p_i(v + t_l)$
w_i
(root)
(leafs)
v
t_l
$H_l[y_i]$


end(p_i(v + 1))
u_i
w_i
(root)
(leafs)
v
m_i
1
heavy edges
light edge


p_i
p_j
u_i
u_j
w_i
w_j



s =	k	l	m	n	o	q	r	p	a	b	c	d	g	f	e	h	i	j