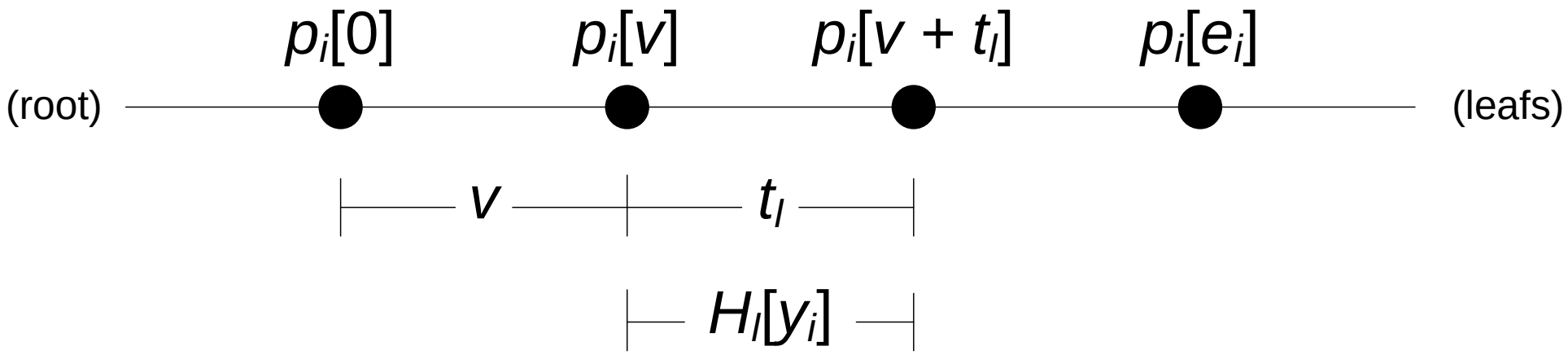
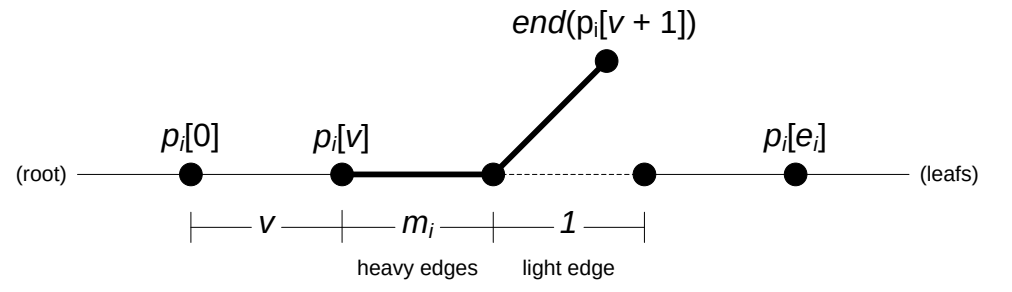
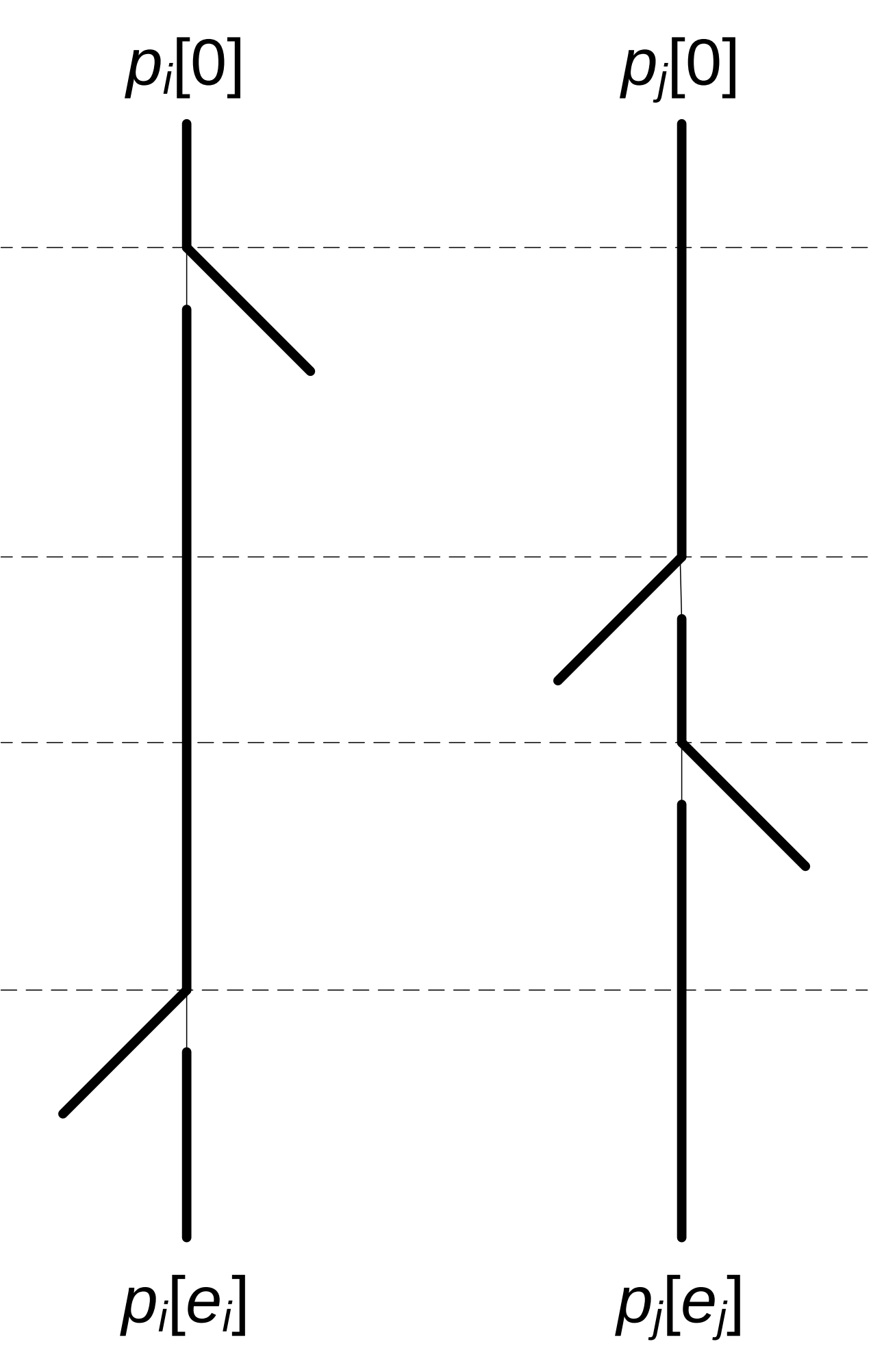
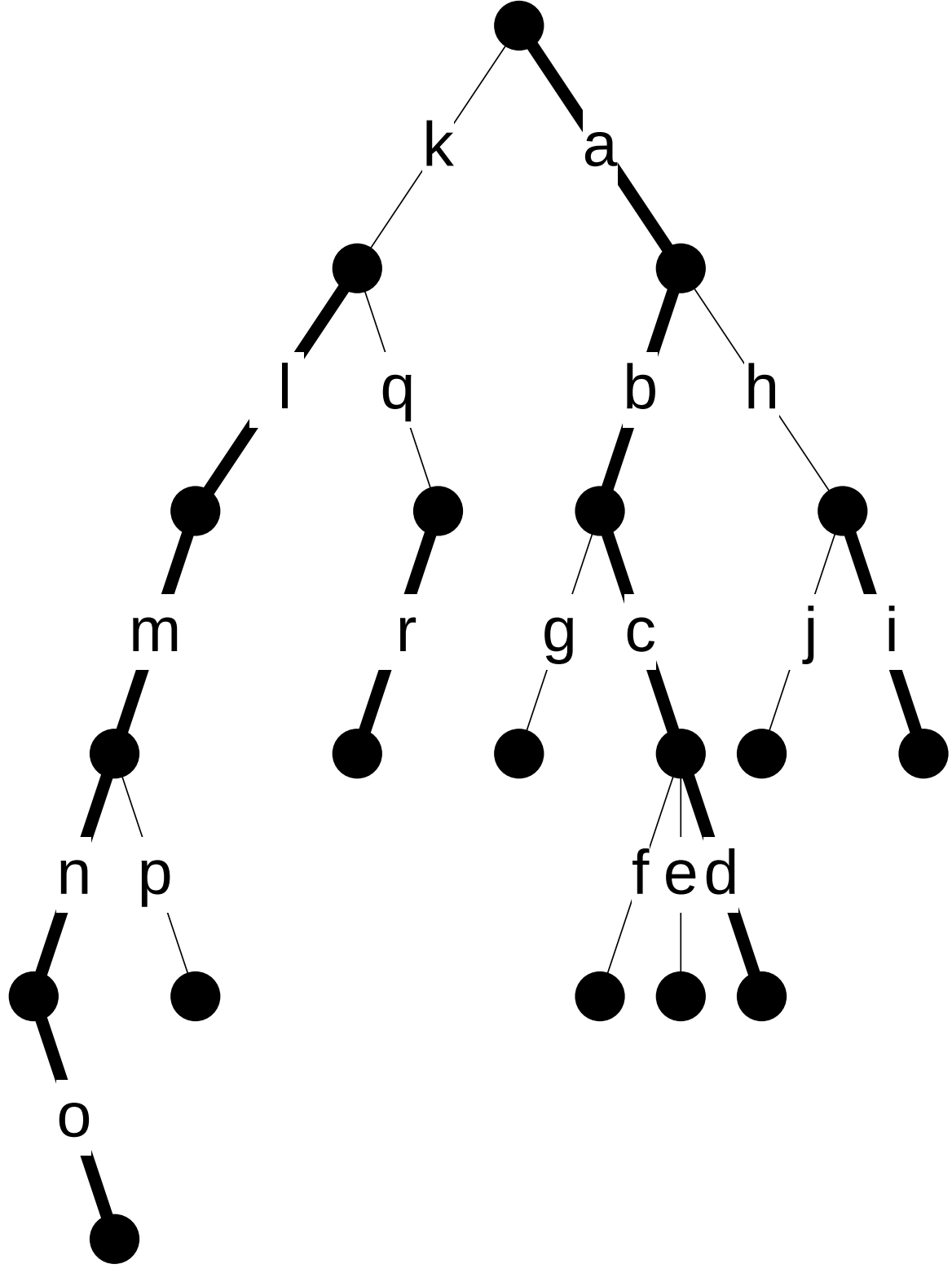

$p_i[0]$
$p_i[v]$
$p_i[v + t_l]$
$p_i[e_i]$
(root)
(leafs)
v
t_l
$H_l[y_i]$


end(p_i[v + 1])
p_i[0]
p_i[v]
p_i[e_i]
(root)
(leafs)
v
m_i
1
heavy edges
light edge


$p_i[0]$
$p_j[0]$
$p_i[e_i]$
$p_j[e_j]$



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