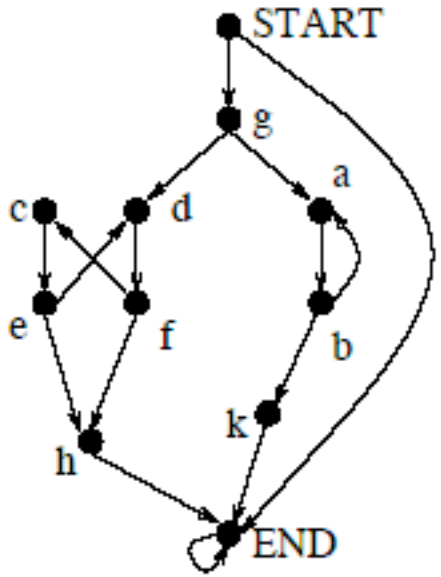
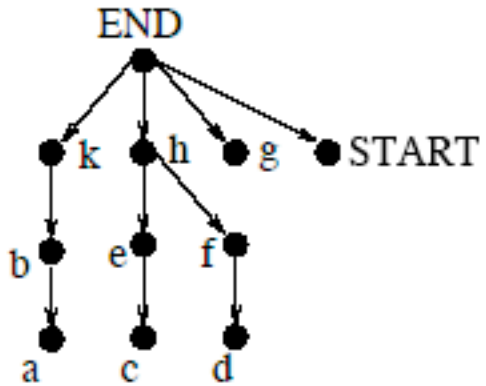
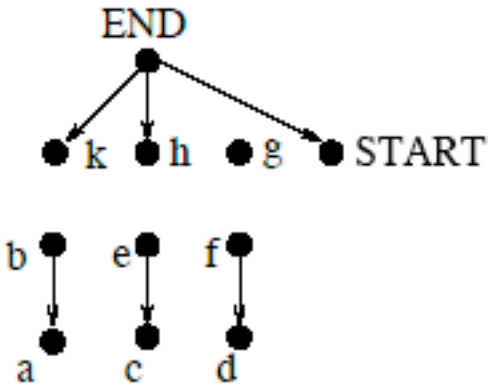


(a) Control Flow Graph



(b) Postdominator tree



(c) Loop postdominator forest

E \ V	a	b	c	d	e	f	g	h	k
START → g							● □		
g → d				● □		● □		●	
g → a	● □	● □							●
f → c			● □		● □				
e → d				● □		● □			
b → a	● □	● □							
e → h								□	
f → h								□	
b → k									□

● : control dependence

□ : loop control dependence

(d) Control Dependence and Loop control dependence

Figure 1: A Program and Two Control Dependence Relations