

$$H_{\text{root}}=H(N_1|H(N_1)|N_2|H(N_2))$$

$$H(N_1)=H(N_3|H(N_3)|N_4|H(N_4)) \quad \boxed{N_1,H(N_1)} \quad \boxed{N_2,H(N_2)}$$

$$\boxed{N_3,H(N_3)} \quad \boxed{N_4,H(N_4)}$$

$$\boxed{a} \quad \boxed{b} \quad \boxed{c}$$

$$\boxed{d} \quad \boxed{e} \quad \boxed{f}$$

$$\boxed{N_5,H(N_5)} \quad \boxed{N_6,H(N_6)}$$

$$\boxed{g} \quad \boxed{h} \quad \boxed{i}$$

$$\boxed{j} \quad \boxed{k} \quad \boxed{l}$$

$$H(N_3)=H(a|b|c)$$