



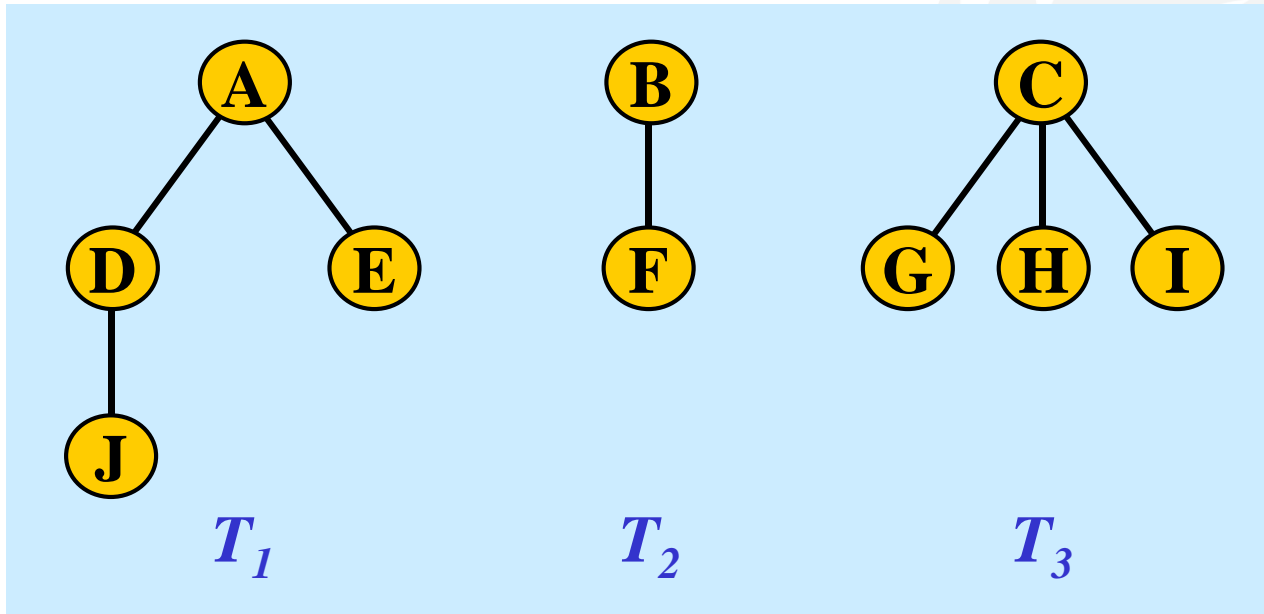
CSE2010 자료구조론

Week 7: Forest

ICT융합학부 한진영

포리스트(Forest)?

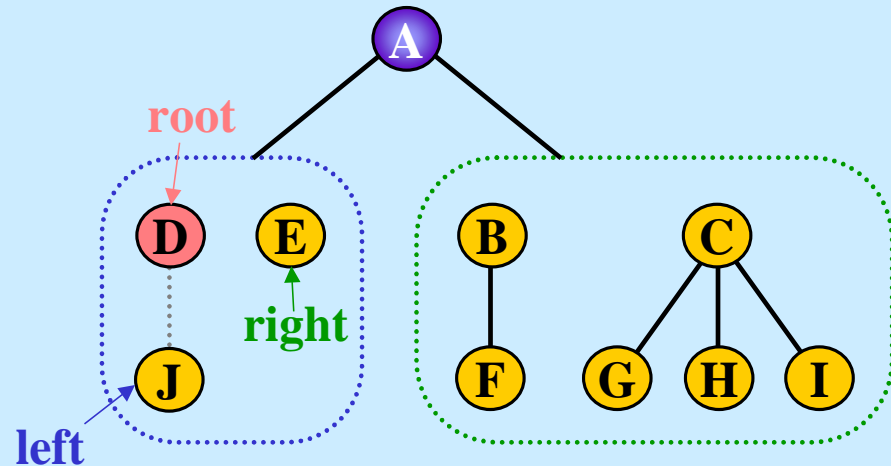
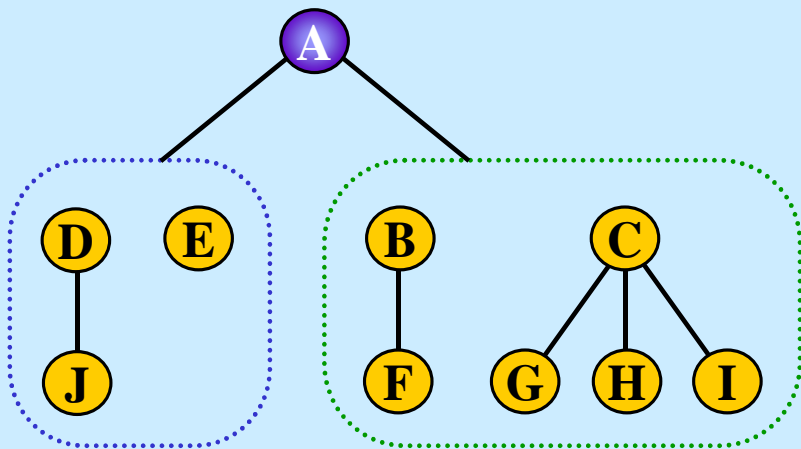
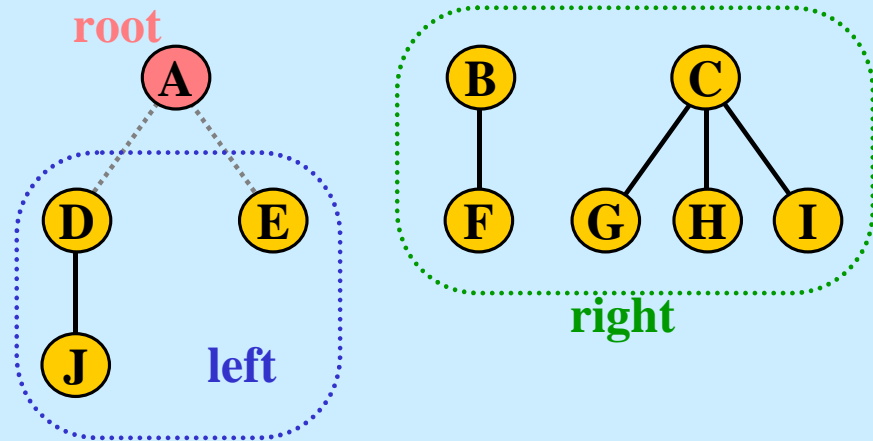
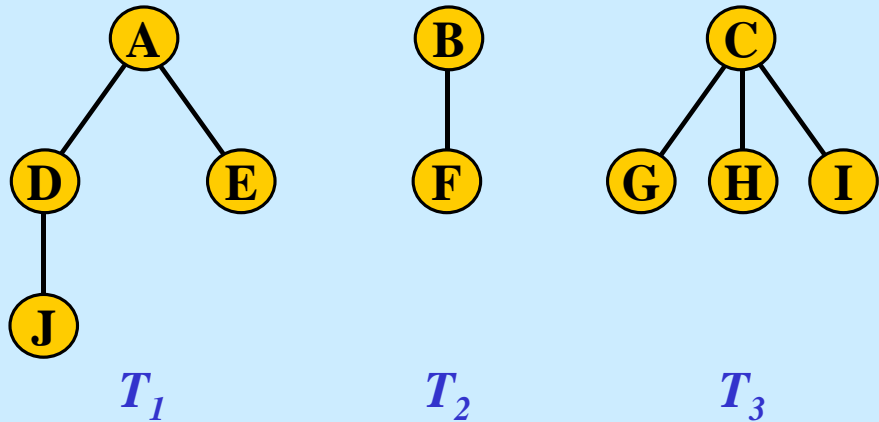
- 포리스트(forest) : m ($m \geq 0$)개의 트리로 구성된 집합



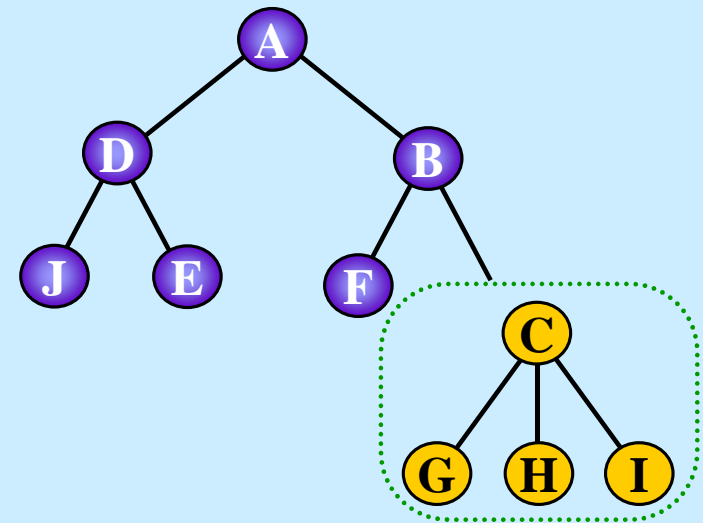
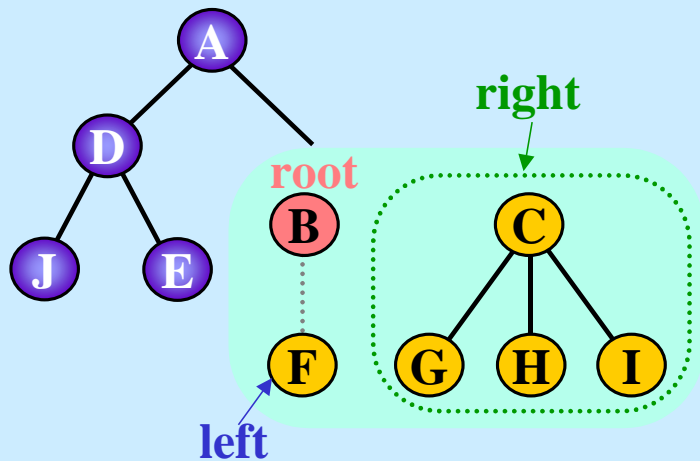
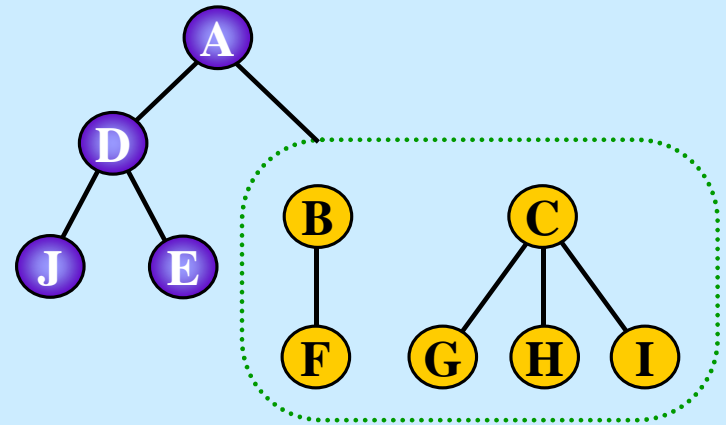
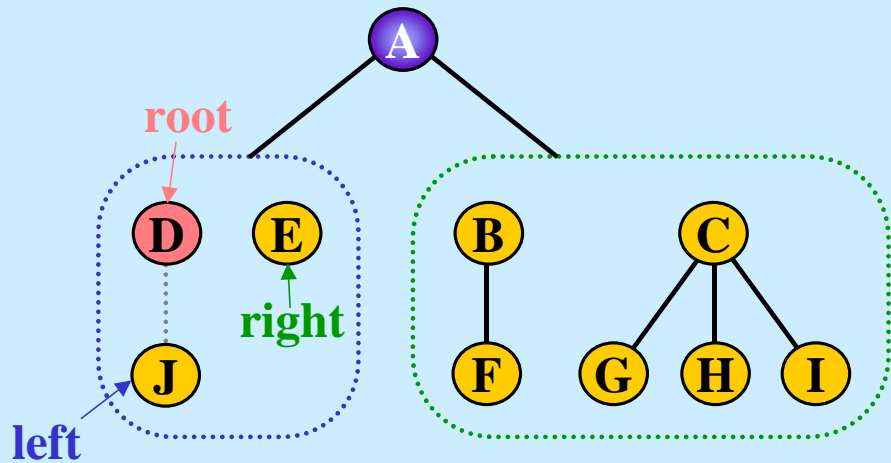
포리스트 -> 이진트리

- 포리스트 $F = \{T_1, T_2, \dots, T_m\}$ 을 이진트리 $BT(\{T_1, T_2, \dots, T_m\})$ 로 변환하는 방법
 - ① $m = 0$ 인 경우, 즉 $F = \emptyset$ 이면, 대응되는 $BT(\emptyset) = \emptyset$ 이다
 - ② $m > 0$ 인 경우,
 - 루트 : T_1 의 루트 $Root(T_1)$
 - 왼쪽 부분트리 : $Root(T_1)$ 의 부분트리 $BT(\{T_{11}, T_{12}, \dots, T_{1r}\})$
 - 오른쪽 부분트리 : $BT(\{T_2, T_3, \dots, T_m\})$

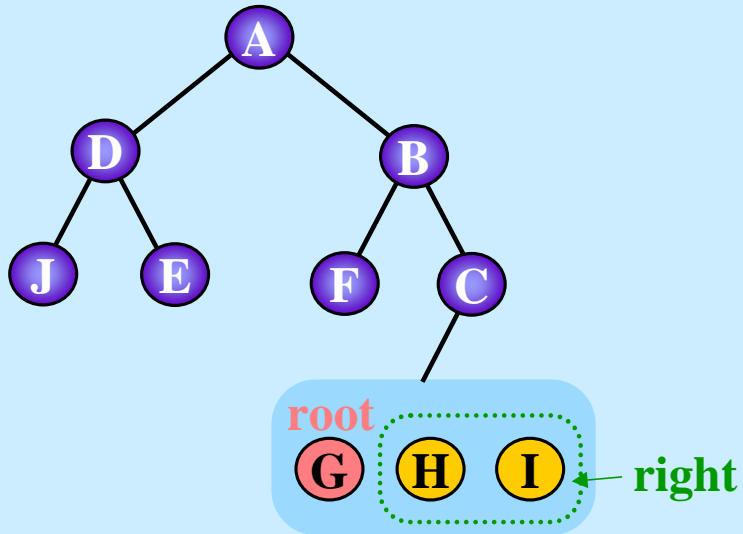
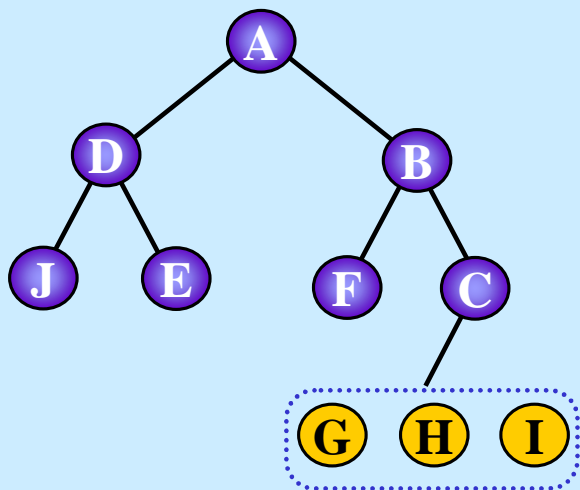
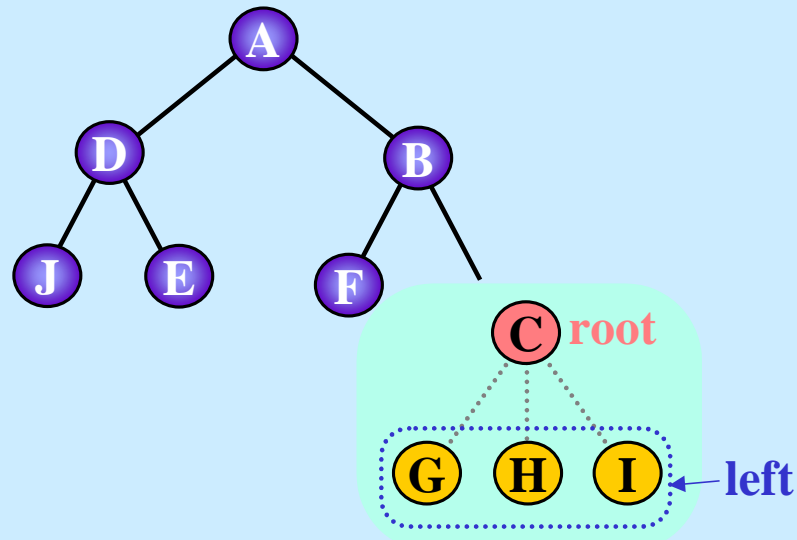
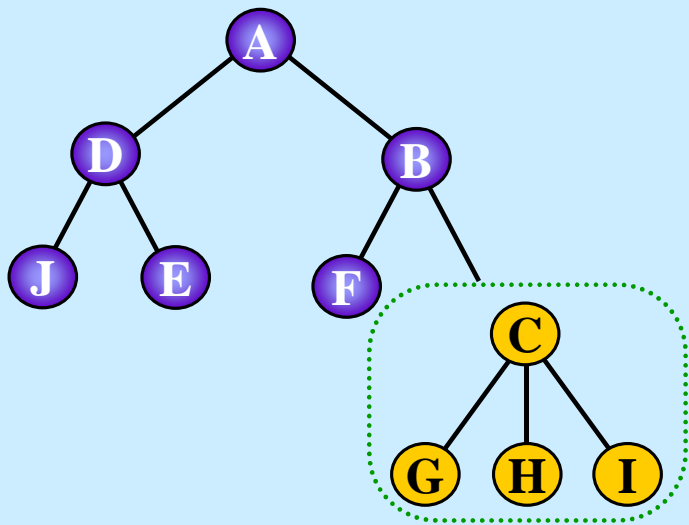
포리스트 -> 이진트리 예



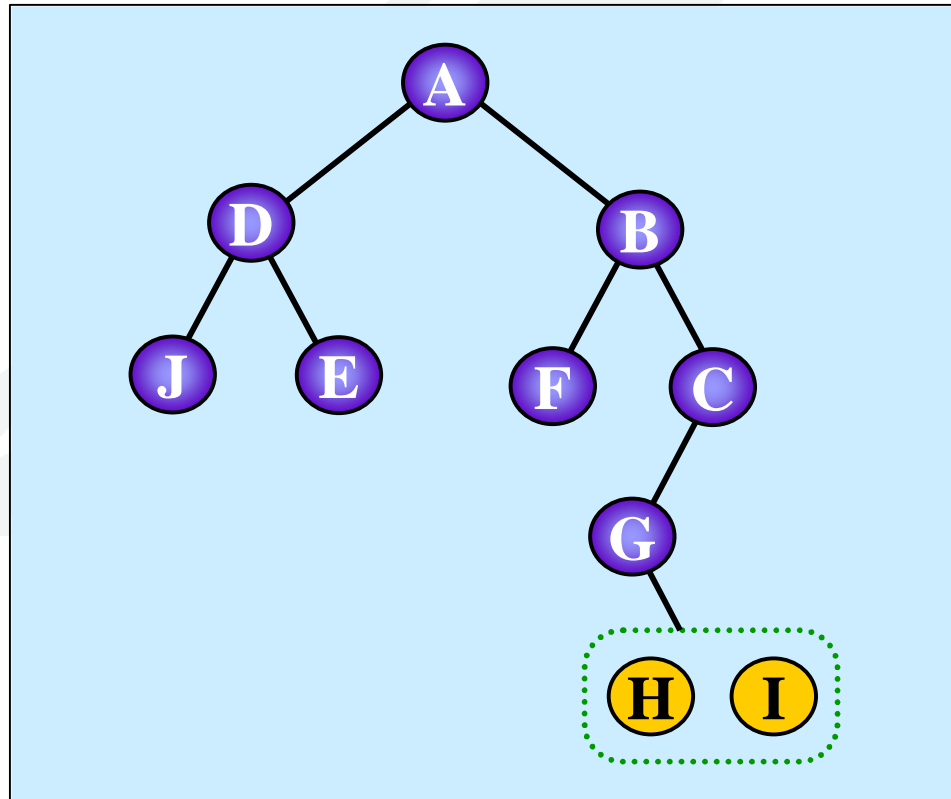
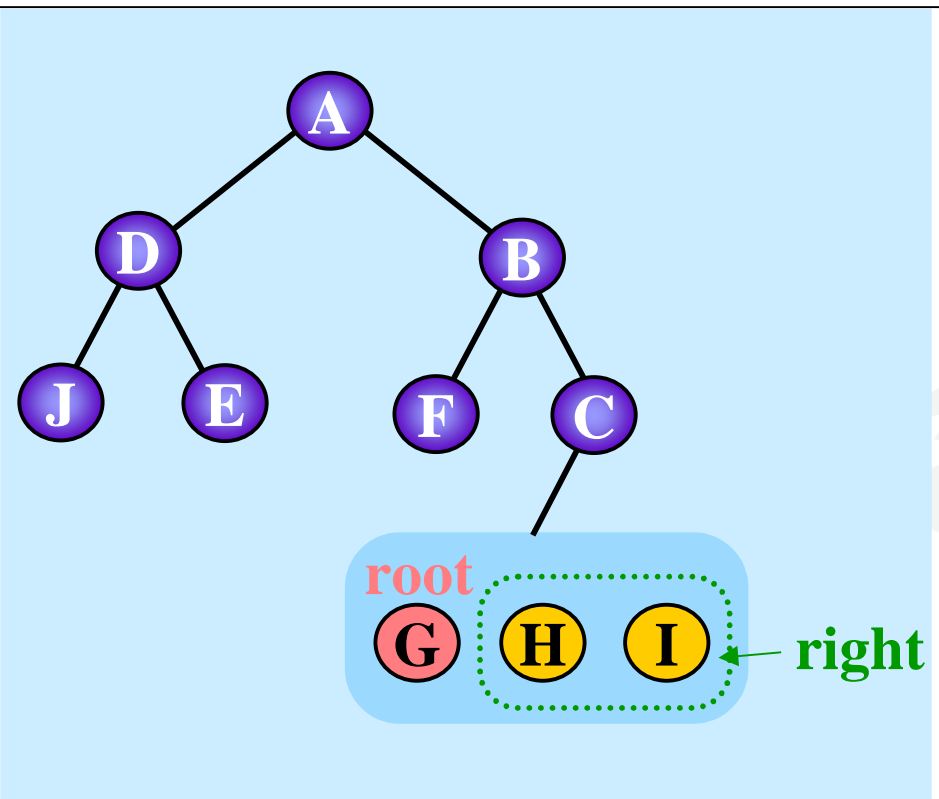
포리스트 -> 이진트리 예



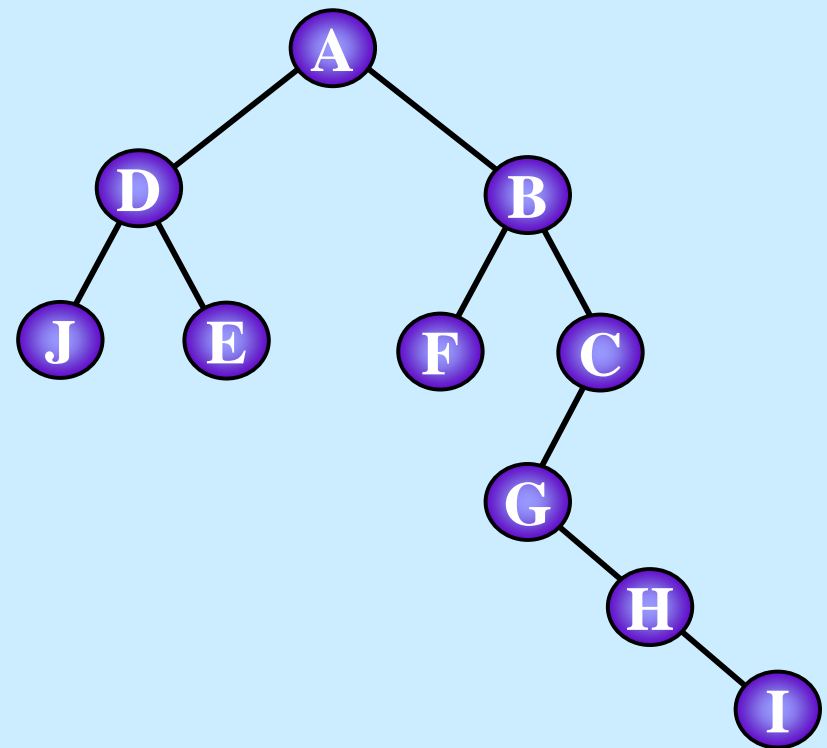
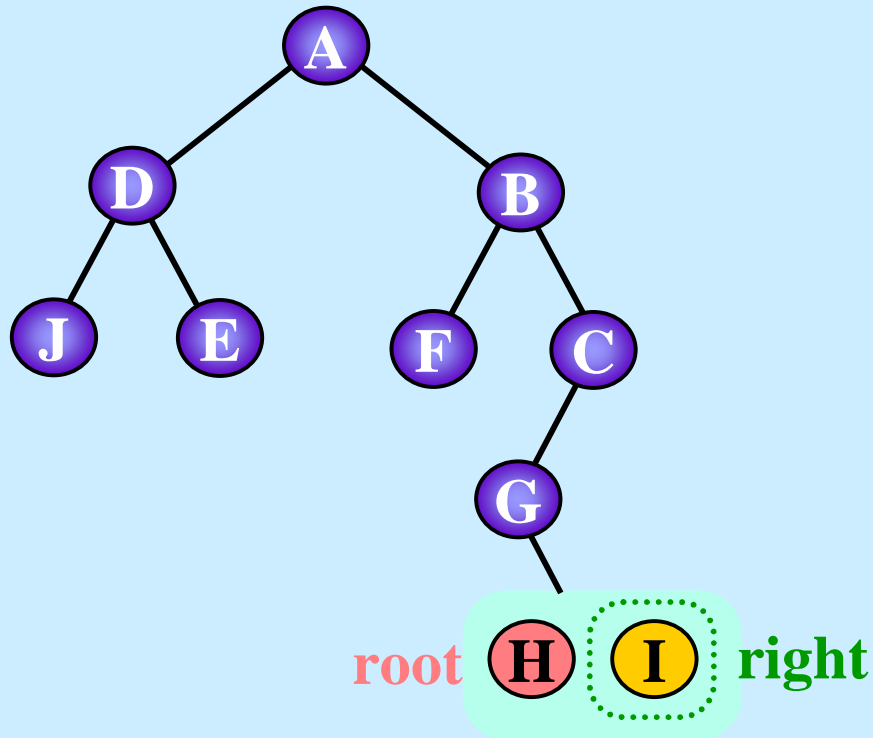
포리스트 -> 이진트리 예



포리스트 -> 이진트리 예



포리스트 -> 이진트리 예



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