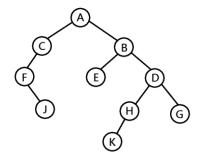
# 96 台灣大學 軟體設計

### Problem1:

- (1a) empty(B)
- (1b) !empty(A)
- (1c) v = pop(A)
- (1d) push( v, B )
- (1e) v = pop(B)

### Problem2:

(2a)



## Problem3:

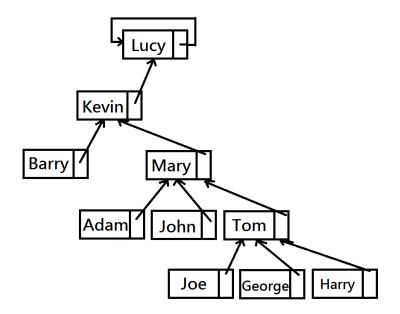
- (3a) index
- (3b) index + i + 1
- (3c) index + 1
- (3d) index + i 2
- (3e) B[j-i] + B[j-i+1]

### Problem4:

- (4a) ( M+1 )\*I
- (4b) N\*I + N\*P + P
- (4c) (I+P)\*N+P>(M+1)\*I

Problem5:

(5a)



(5b)

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Problem6:(以下只給答案 過程省略)

- (6a) θ( nlgn )
- (6b)  $\theta(3^{n})$
- (6c)  $\theta$ (  $n^5$ )
- (6d) θ( lgn )
- (6e) θ( lgn )

### Problem7:

(7a) len[i, j] <- len[i-1, j-1]+1

(7b) len[i, j] <- max{ len[i-1, j], len[i, j-1]}

### Problem8:

- (8a) 4
- (8b) 6
- (8c) -7