

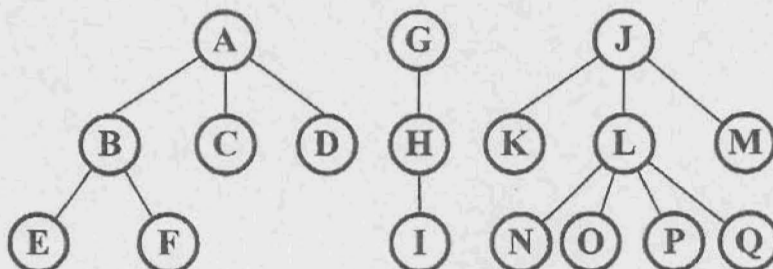
招生學年度	九十八	招生類別	碩士班
系所班別	全球運籌管理研究所		
科目	計算機概論		
注意事項	本考科禁止使用掌上型計算機		

The following questions can be answered in Chinese or English.

1. Please explain the following terms. (40%)

- (1). Knowledge Management
- (2). Multi-Tier Architecture
- (3). J2EE
- (4). ERP
- (5). WiMAX
- (6). Database Transaction
- (7). RFID
- (8). Virtual Memory
- (9). Internet Worm
- (10). .Net Framework
- (11). Hashing Function
- (12). UMPC
- (13). Public Key Cryptography
- (14). Data Manipulation Language
- (15). RAID Level 5
- (16). SMTP
- (17). Deadlock
- (18). IEEE 802.11n
- (19). Multithread
- (20). Data Warehouse

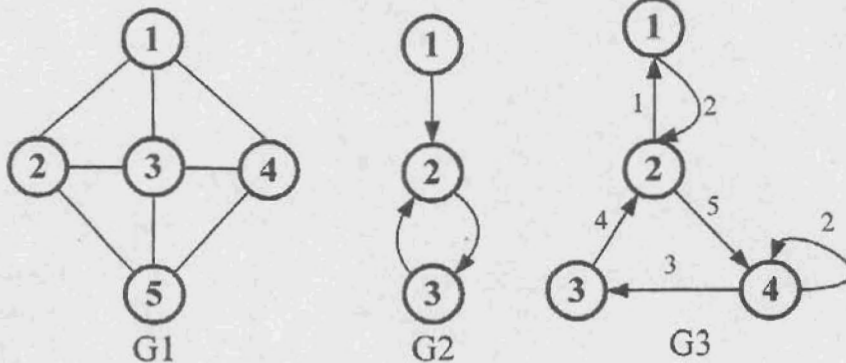
2. This forest with three trees. Please use Leftmost-Child-Next-Right-Sibling method to representation follow forest to binary tree. (10%)



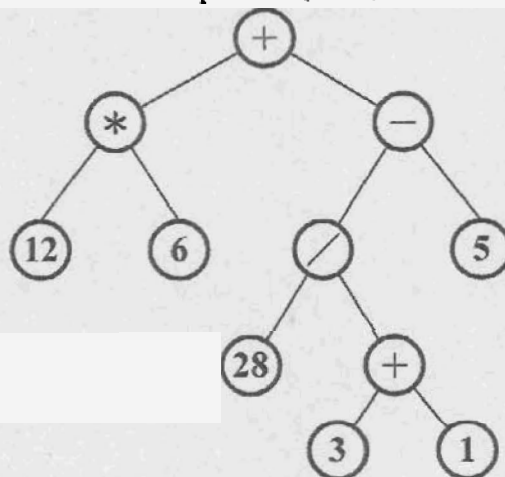
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3. Please write a sorting function called Sort. The input parameter is an integer array. The function must print the input array order by largest to smallest. Please use C, C++ or Java. (15%)

4. Please represent the follow graphs by adjacency matrix. (10%)



5. In follow binary search tree. Please traverse this binary by preorder traversal sequence and inorder traversal sequence. (10%)



6. Following the IEEE Standard for Floating-Point Arithmetic (IEEE 754). That use 32-bits for binary normalization form. Please encode a real number 525.5 representation of the hexadecimal. (15%)