

Trees – II

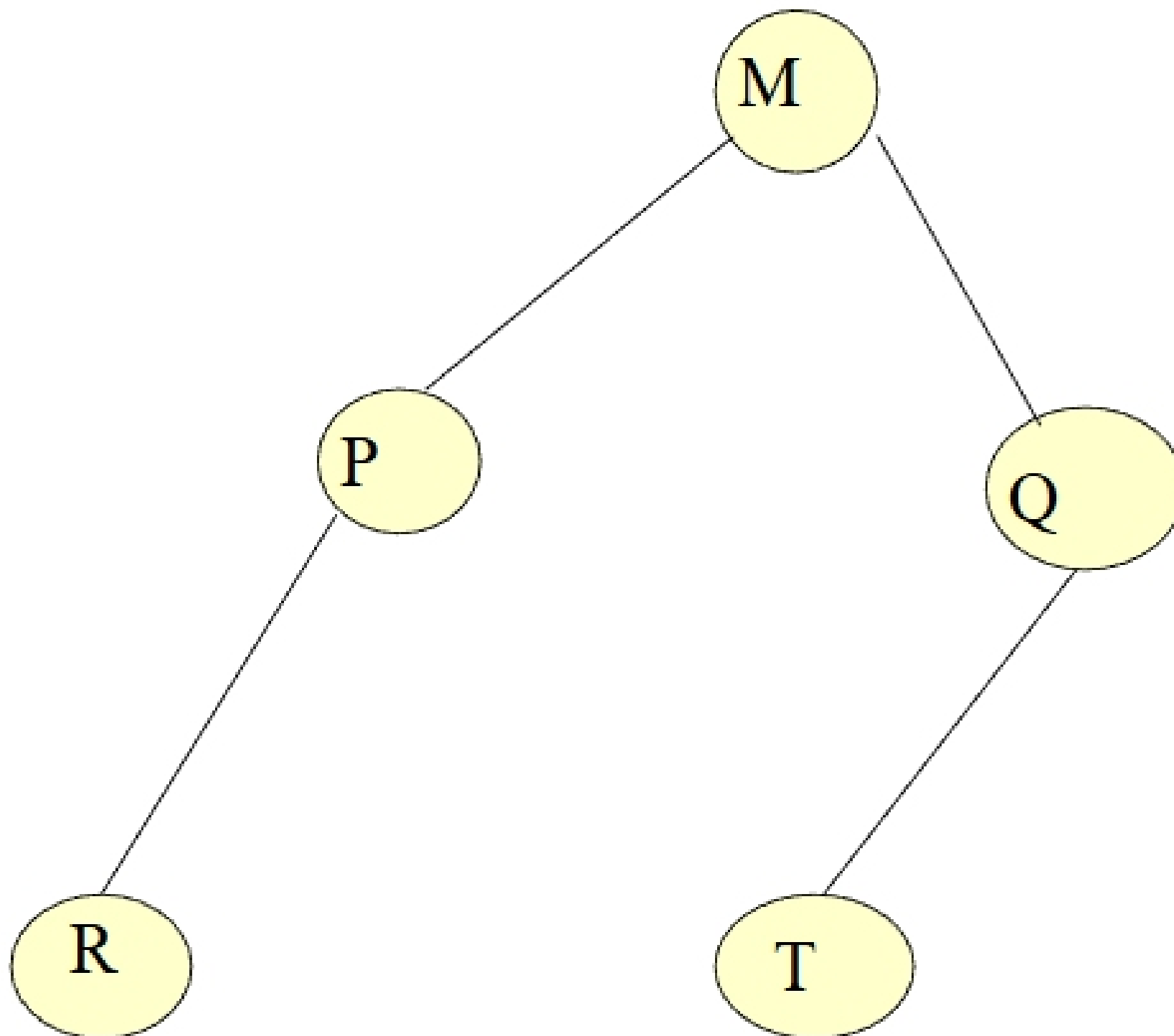
Non-Recursive PreOrder Traversal

Expression Trees

Binary Search Tree

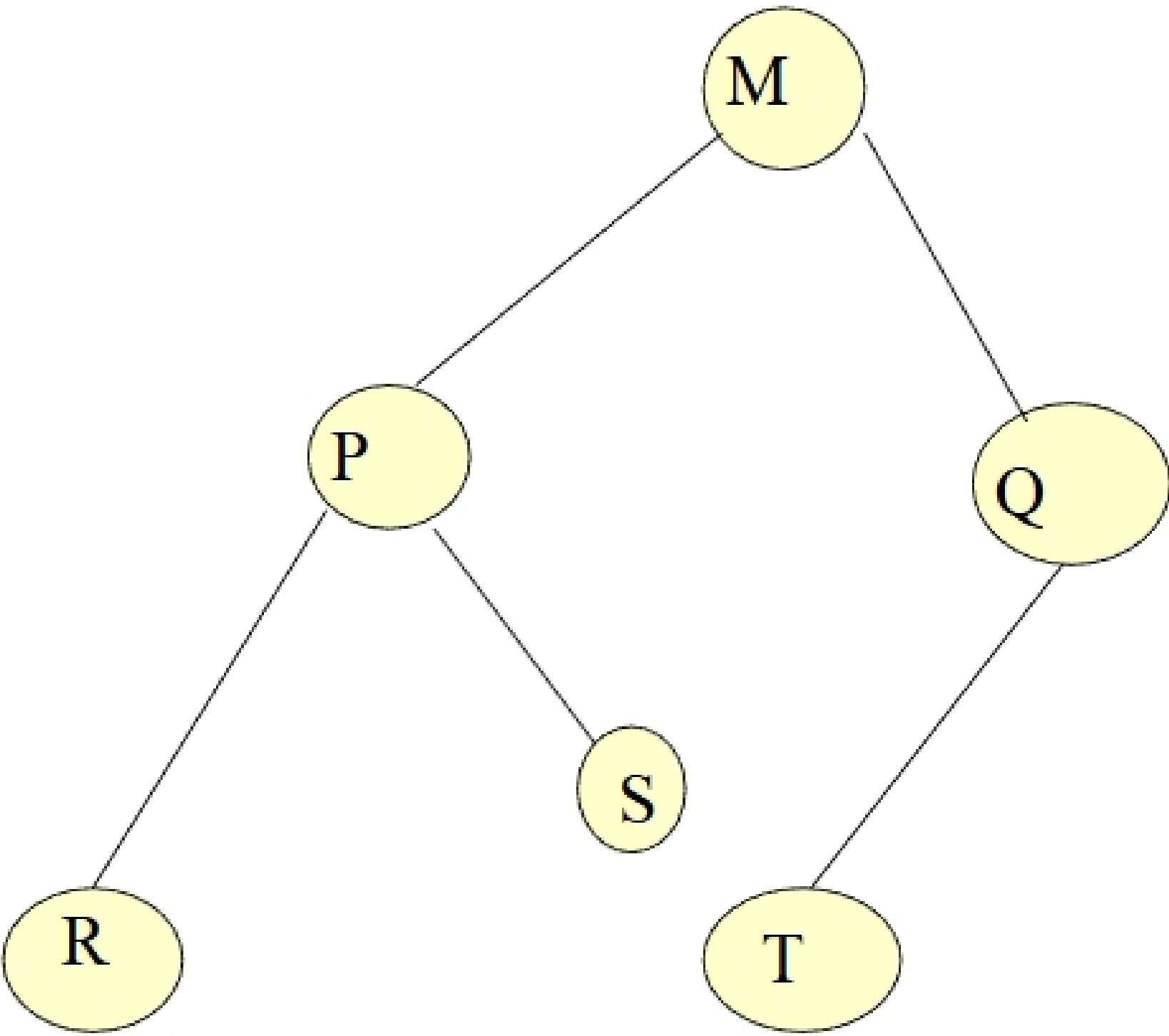
- **Searching**
- **Insertion**
- **Traversal**
- **Creation**

Carry out a pre-order traversal of this tree



```
void preorder(struct tree_node * p)
{  if (p !=NULL) {
    printf("%d", p->data);
    preorder(p->left_child);
    preorder(p->right_child);
  }
}
```

M P R Q T



Preorder Traversal: M P R S Q T