P202-203

15：

Procedure: insert(x,a1,a2,……，an; )

{an-1<an}

i: = 1

While x > ai

i: = i + 1

for: j = 0 to n-1

an-j+1: = an-j

ai = x\

{x has been put into correct position}

29:

Procedure: find a mode(a1,a2,...,an: nondecreasing integers)

modecount : = 0

i := 1

while i ≤ n

value := ai

count := 1

while i ≤ n and ai = value

count := count+1

i := i +1

if count > modecount then

modecount := count

mode := value

return mode

P217

25:

a): O(n^3)

b): O(n^5)

c): O(n^3\*n!)

37:

If f(x) is (1), |f(x)| is between constants a1 and a2 (a1,a2>0)