1.

REVERSE(a, n, k)

IF k<n+1-k

tempt<-a[k]

a[k]<-a[n+1-k]

a[n+1-k]<-tempt

REVERSE(a, n, k+1)

The run time is O(n);

2.

CHECK(n, m)

IF n%m=0 and m>2

PRINT n ”is not a prime”

IF n%m0 and m>2

CHECK(n, m-1)

IF m<=2

PRINT n ”is a prime”

The run time is O(n)

3.

REMOVE(s, k, length)

IF s[k]='a' or s[k]='e' or s[k]='i' or s[k]='o' or s[k]='u'

s.erase(k,1)

length- -

IF k<=length

RETURN REMOVE(s, k, length)

ELSE

IF k+1<=length

RETURN REMOVE(s, k+1,length)

RETURN s

This run time is O(n)