7.4 Draw the stack of activation records for the following Pascal program, showing the control and access links, after the second call to procedure **c**. Describe how the variable x is accessed from within c.

program env;

procedure a;

var x: integer;

procedure b;

procedure c;

begin

x:=2;

b;

end;

begin(\*b\*)

c;

end;

begin(\*a\*)

b;

end;

begin(\*main\*)

a;

end.

7.15 Give the output of the following program (written in C syntax) using the four parameter passing methods discussed in Section 7.5:

#include <stdio.h>

int i=0;

void p(int x, int y)

{ x += 1;

i +=1;

y +=1;

}

main()

{ int a[2]={1,1};

p (a[i],a[i]);

printf("%d %d\n", a[0],a[1]);

return 0;

}