Computer Science CSC 324S
Quiz 2 solution

```
procedure f (x,y : integer);
begin
  i := i-1;
  x := x+1;
  x := A[i];
  y := y-1;
  write (x,y);
end;
begin (* main *)
  (* A and i are global vars. *)
  A[1] = 1; A[2] := 2; i := 2;
  f (A[1],A[i]);
  write (A[1], A[2]);
end;
```

1. For the previous code, draw a line between the parameter passing mechanism and the output that would be produced if that mechanism was used for the parameters x and y of procedure f.

Answer: The lines go straight across the page; they don't cross. Note also that the pass by name answer was off by one: the first line of Output 4 should be `1 1`, not `1 2`. See the marks section of the web site for more information.

	Output 1: 1 1 1 2
`Pass by value`	
	Output 2: 2 1 2 1
`Pass by reference`	
`Pass by value-result`	Output 3: 1 1 1 1
`Pass by name`	
	Output 4: 1 2 1 2