1.

is both and

is

is

2.

e b g h a d f c

pair: a, h

is

3.

(a) 0; the given array may be the original array and no elements have been swapped.

(b) 2; after the i-th iteration of the loop, the first i elements will be in the correct place. We can see that the first 2 elements are in the correct place so the maximum number of iterations is 2.

4.

A B E D G H

5.

Z T P V S R