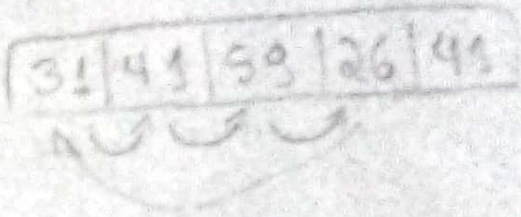
(2.1-1) A = (31, 41, 59, 26, 41)

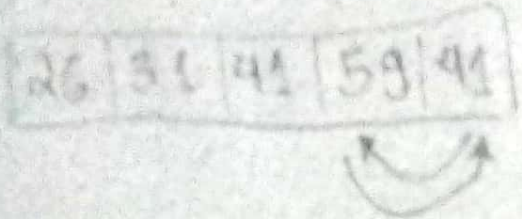
a)

b)

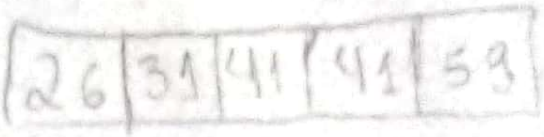
c)



d)

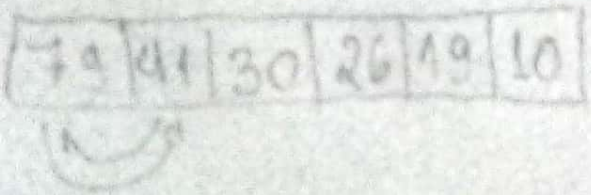


e)

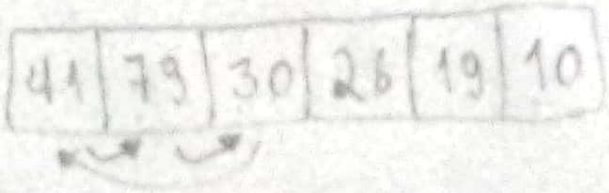


(2.1-1.b) A = (79, 41, 30, 26, 19, 10)

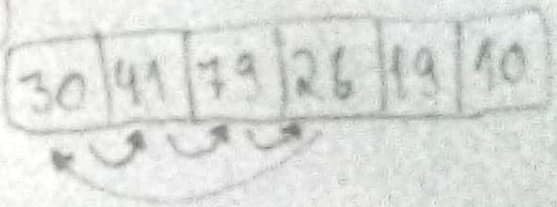
a)



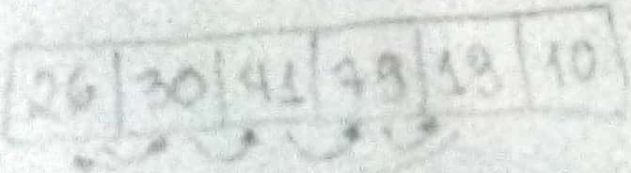
b)



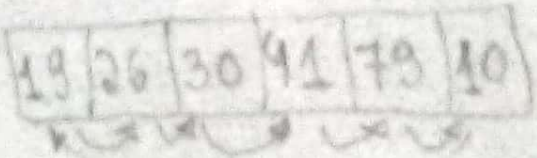
c)



d)



e)



f)

(2.1-3)

```
01 V = 40
02 A = ⟨10, 40, 35, 20⟩
03 R = "NIL"
04 for i = 0 to A.comprimento
05     if A[i] = = V
06         R = "Posição de V em A:" A[i]
   print R
```

invariante de laço

1 - Inicialização
2 - Manutenção
3 - Término

(2.1-4)

Dois inteiros binários A, B

```
01 C = [A.comprimento]
02 A = ⟨1⟩
03 B = ⟨1⟩
04 for i = A.comprimento to 0
05     if A[i] + B[i] = = 2
06         C[i] = 0
07         C[i-1] = 1
08     else
09         C[i] = = A[i] + B[i]
```