Year 12 Computer Science summer preparatory tasks - Task 2

```
1   FUNCTION myFunction
2
3           SET anArray to [78,83,72,80,83]
4           SET f to FALSE
5           SET c TO -1
6           SET i TO 0
7           Set b TO 75
8
9           WHILE (NOT f) AND (i < LENGTH(anArray)) DO
10                  IF anArray[i]=b THEN
11                          SET f TO TRUE
12                          SET c TO i
13                  ELSE
14                          SET i TO i+1
15                  END IF
16          END WHILE
17
18          RETURN C
19
20  END myFunction
```

a.) Which lines show iteration?

_____

b.) Which lines show selection?

_____

c.) Which line shows a data structure?

_____

d.) Which lines show initialisation?

_____

e.) Complete the trace table

b	f	i	anArray[i]	c
75	FALSE	0		–1

f.) What does this algorithm do?

_____

_____

_____