12. The following method, `swap(A,B)` is written to exchange the values of variables A and B.

```
swap(A,B)
   TEMP = A
   B = TEMP
   A = B
end swap
```

(a) (i)   Assume `A = 3` and `B = 5`.

State the values of `A` and `B` after execution of `swap(A,B)`.   [1]

(ii)   Suggest how the algorithm used in method `swap()` would need to be modified to successfully exchange the values of variables `A` and `B`.   [2]

Method `swapRows(MAT,K,L)` swaps the elements of two rows (row `K` and row `L`) in the two-dimensional array `MAT`.

For example,

The initial contents of the two-dimensional array MAT

	[0]	[1]	[2]	[3]
[0]	7	1	2	3
[1]	4	0	0	0
[2]	6	0	−3	0
[3]	4	0	0	4
[4]	5	0	−1	0
[5]	5	−6	0	9

swapRows(MAT,1,4) →

The contents of the two-dimensional array MAT after execution of method swapRows(MAT,1,4)

	[0]	[1]	[2]	[3]
[0]	7	1	2	3
[1]	5	0	−1	0
[2]	6	0	−3	0
[3]	4	0	0	4
[4]	4	0	0	0
[5]	5	−6	0	9

(b)   Use pseudocode to construct an algorithm for the method `swapRows()`.   [4]

(This question continues on the following page)

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