What is the Cartesian product of A = {1, 2} and B = {a, b}?

- ○

  {(1, , (1, b), (2, , (b, b)}

- ○

  {(1, 1), (2, , (a, a), (b, }

- ○

  {(1, a), (2, a), (1, b), (2, b)}

- ○

  {(1, 1), (a, a), (2, a), (1, b)}

Memory access in RISC architecture is limited to instructions
..... .

- ○ CALL and RET
- ○ PUSH and POP
- ○ STA and LDA
- ○ MOV and JMP

What does the algorithm find?

Input: L, an array of numbers; n ≥ 1, the number of entries.

Output: secret (a number in the array).

1. *secret := L[1];*
2. *for index := 2 to n do*
3.   *if secret < L[index] then*
4.   *secret := L[index]*
5.   *end { if };*
6. *end { for }*

- ○ Minimum array value
- ○ Maximum array value
- ○ Secret number you guessed
- ○ The location of the number you search for