|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N | V | | | | | i | j | aux | j>=0? | aux<v[j]? |
| [0] | [1] | [2] | [3] | [4] |
| 5 | ~~7~~ | ~~2~~ ~~7~~ | ~~5~~ | ~~4~~ | 9 | ~~1~~ | ~~0~~ | ~~2~~ | V | V |
|  | 2 |  |  |  |  |  | ~~-1~~ |  | F |  |
|  |  |  | ~~7~~ |  |  | ~~2~~ | ~~1~~ | ~~5~~ | V | V |
|  |  | ~~5~~ |  |  |  |  | ~~0~~ |  | V | F |
|  |  |  |  | 7 |  | ~~3~~ | ~~2~~ | ~~4~~ | V | V |
|  |  |  | 5 |  |  |  | ~~1~~ |  | V | V |
|  |  | 4 |  |  |  |  | ~~0~~ |  | V | F |
|  |  |  |  |  |  | 4 | 3 | 9 | V | F |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N | V | | | | | i | j | aux | j>=0? | aux<v[j]? |
| [0] | [1] | [2] | [3] | [4] |
| 5 | ~~7~~ | ~~5~~ ~~7~~ | ~~5~~ | ~~3~~ | 9 | ~~1~~ | ~~0~~ | ~~5~~ | V | V |
|  | ~~5~~ |  |  |  |  |  | ~~-1~~ |  | F |  |
|  |  |  | ~~7~~ |  |  | ~~2~~ | ~~1~~ | ~~5~~ | V | V |
|  |  | ~~5~~ |  |  |  |  | ~~0~~ |  | V | F |
|  |  |  |  | 7 |  | ~~3~~ | ~~2~~ | ~~3~~ | V | V |
|  |  |  | 5 |  |  |  | ~~1~~ |  | V | V |
|  |  | 5 |  |  |  |  | ~~0~~ |  | V | V |
|  | 3 |  |  |  |  |  | ~~-1~~ |  | F |  |
|  |  |  |  |  |  | 4 | 3 | 9 | V | F |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N | V | | | | | i | j | aux | j>=0? | aux<v[j]? |
| [0] | [1] | [2] | [3] | [4] |
| 4 | 1 | 2 | 3 | 4 |  | ~~1~~ | ~~0~~ | ~~2~~ | V | F |
|  |  |  |  |  |  | ~~2~~ | ~~1~~ | ~~3~~ | V | F |
|  |  |  |  |  |  | 3 | 2 | 4 | V | F |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N | V | | | | | i | j | aux | j>=0? | aux<v[j]? |
| [0] | [1] | [2] | [3] | [4] |
| 4 | ~~4~~ | ~~3~~ ~~4~~ | ~~2~~ | ~~1~~ |  | ~~1~~ | ~~0~~ | ~~3~~ | V | V |
|  | ~~3~~ |  |  |  |  |  | ~~-1~~ |  | F |  |
|  |  |  | ~~4~~ |  |  | ~~2~~ | ~~1~~ | ~~2~~ | V | V |
|  |  | ~~3~~ |  |  |  |  | ~~0~~ |  | V | V |
|  | ~~2~~ |  |  |  |  |  | ~~-1~~ |  | F |  |
|  |  |  |  | 4 |  | ~~3~~ | ~~2~~ | ~~1~~ | V | V |
|  |  |  | 3 |  |  |  | ~~1~~ |  | V | V |
|  |  | 2 |  |  |  |  | ~~0~~ |  | V | V |
|  | 1 |  |  |  |  |  | -1 |  | F |  |

2) 16 comparações e 5 trocas