```python
def tri_iteratif(tab):
    for k in range( len(tab)-1 , 0, -1):
        imax = 0
        for i in range(0 , k ):
            if tab[i] > tab[imax] :
                imax = i
        if tab[imax] > tab[k] :
            tab[k] , tab[imax] = tab[imax] , tab[k]
    return tab


assert tri_iteratif([41, 55, 21, 18, 12, 6, 25]) == [6, 12, 18, 21, 25, 41, 55]
```