

Spatial complexity analysis
sortWishListByInsertion

Type	Variable	Size of 1 atomic value	Number of atomic values
input	shelvesId	32 bits	n
auxiliar	auxiliar	32 bits	1
	auxiliar2	32 bits	1
	i	32 bits	1
	j	32 bits	1

Total spatial complexity = $n + 4 \rightarrow O_{(n)}$

Spatial complexity analysis
sortWishListBySelection

Type	Variable	Size of 1 atomic value	Number of atomic values
input	shelvesId	32 bits	n
auxiliar	index	32 bits	1
	smallerNumber1	32 bits	1
	i	32 bits	1
	j	32 bits	1

Total spatial complexity = $n + 4 \rightarrow O_{(n)}$