bs([4,2,1,8,-3])

Entering loop:
[4, 2, 1, 8, -3]

A swap takes place:
[2, 4, 1, 8, -3]

A swap takes place:
[2, 1, 4, 8, -3]

A swap takes place:
[2, 1, 4, -3, 8]

Entering loop:
[2, 1, 4, -3, 8]

A swap takes place:
[1, 2, 4, -3, 8]

A swap takes place:
[1, 2, -3, 4, 8]

Entering loop:
[1, 2, -3, 4, 8]

A swap takes place:
[1, -3, 2, 4, 8]

Entering loop:
[1, -3, 2, 4, 8]

A swap takes place:
[-3, 1, 2, 4, 8]

Entering loop:
[-3, 1, 2, 4, 8]

bs\_optimized([4,2,1,8,-3])

Entering loop:
[4, 2, 1, 8, -3]

A swap takes place:
[2, 4, 1, 8, -3]

A swap takes place:
[2, 1, 4, 8, -3]

A swap takes place:
[2, 1, 4, -3, 8]

Entering loop:
[2, 1, 4, -3, 8]

A swap takes place:
[1, 2, 4, -3, 8]

A swap takes place:
[1, 2, -3, 4, 8]

Entering loop:
[1, 2, -3, 4, 8]

A swap takes place:
[1, -3, 2, 4, 8]

Entering loop:
[1, -3, 2, 4, 8]

A swap takes place:
[-3, 1, 2, 4, 8]

Entering loop:
[-3, 1, 2, 4, 8]