THIS SIDE

FOO is a wropper class for SA that - monintains/imposes an invariant such that elements are ordered coscending) "

add (Add an element to a list such that ascending order is preserved) redundant upon hirosight - Parameters: -intEd list 11 original list - int new val 11 New value to be added

- Return - new List 11 Original list Whenew Value, all in ascending order

- int index = 0; // index to add new Val of -int temp= 0; // to determine location of index

- Increment temp until list [temp] > new Val or temp > list, length

- if temp = list. length, increment it by I (after having tun the above loop) - Set index to temp

- Beturn newList as the array generated by add-at-index (int CD list, intindex) add-at-index (Foo's version of odd-at-index)

WI Params inted list intindex, int new Val) Examples:

[2,3,5,7],6

6 62, false

6 <3, false

65, false

6 < 7, true

index at 3

add-at-index

[2, 3, 5, 0, 1]V(12,3,5,6,7]

Add-at-index method available in Array List

Should this just automatically add it to the

[2,3,5,7], 13 appropriate 13 < 2 × index, not 13<3 X

Considering an -13<5 x "Index param? 13 47 2

index at y add-at-indery.

[2,3,5,7,0]

[2,3,5,7,13]

7