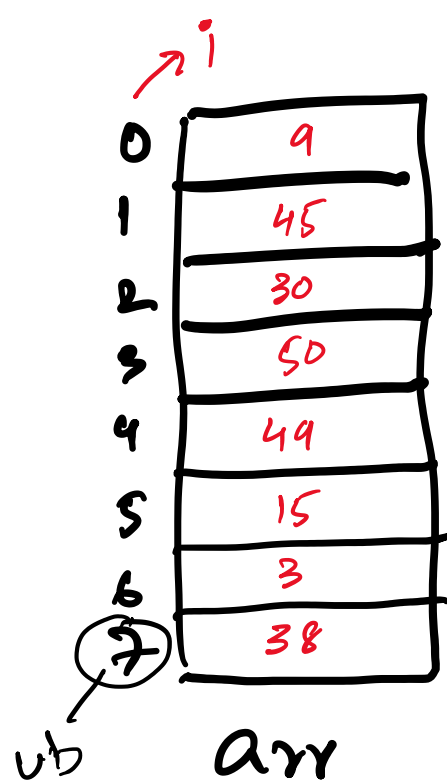
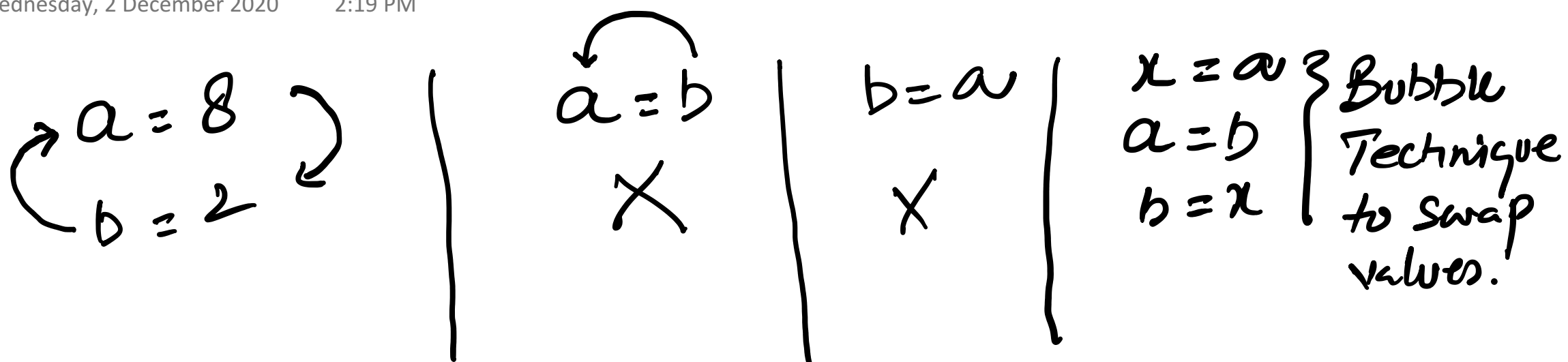


Bubble Sort

Wednesday, 2 December 2020

2:19 PM



PROCEDURE bubble (arr)

$ub \leftarrow LEN(arr) - 1$
 $lb \leftarrow 0$

For $j \leftarrow (ub - 1)$ to lb Step -1

$alreadyOrdered \leftarrow TRUE$

For $i \leftarrow 0$ To j

IF $arr[i] > arr[i+1]$

THEN

$Temp \leftarrow arr[i]$

$arr[i] \leftarrow arr[i+1]$

$arr[i+1] \leftarrow Temp$

$alreadyOrdered \leftarrow FALSE$

ENDIF

Next i

IF $alreadyOrdered = TRUE$ THEN Exit For.

Next j

END PROCEDURE.