Course: ENSF 337 – Fall 2020

Lab #: Lab 3

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Lab Section: B03

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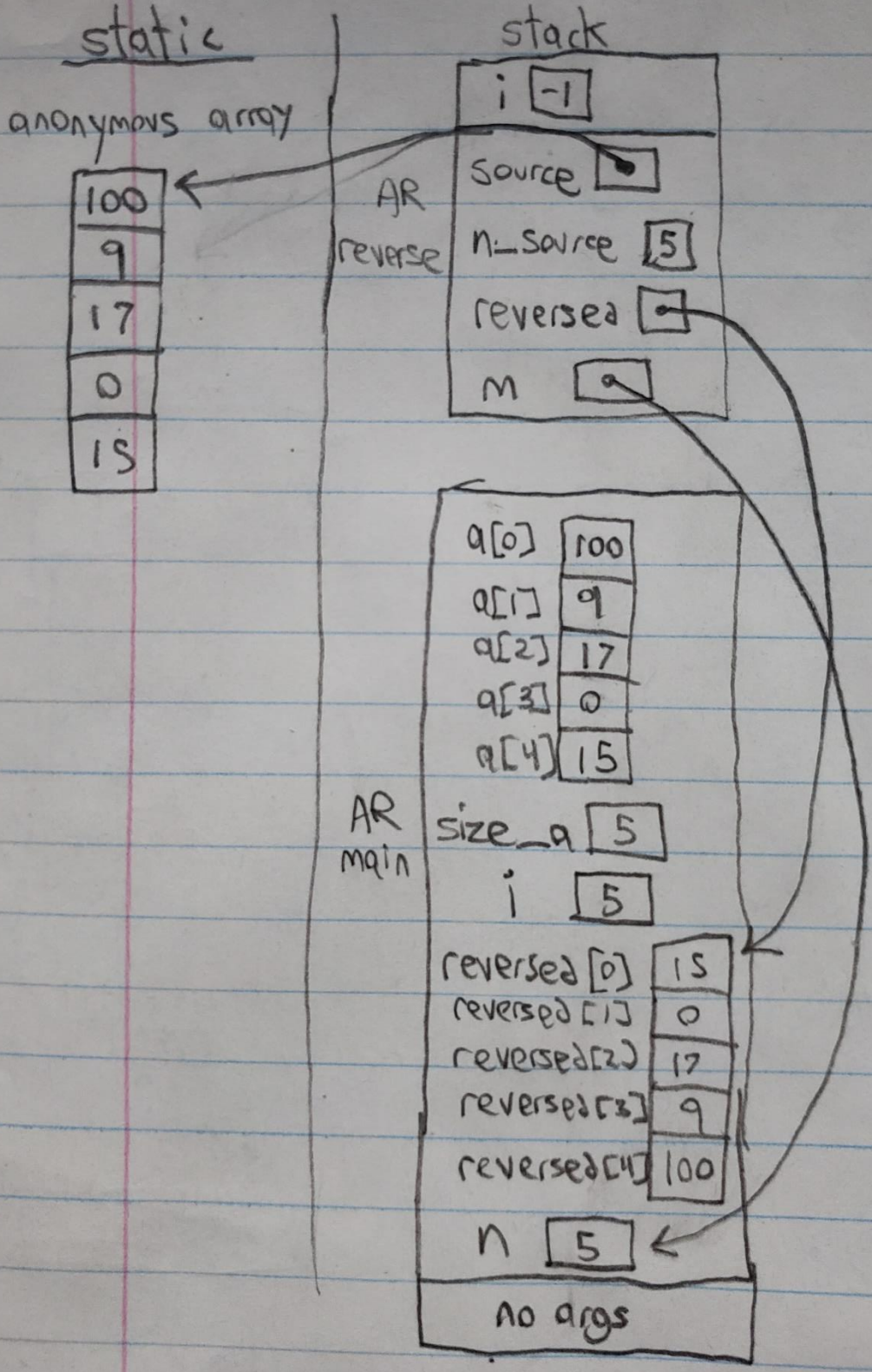
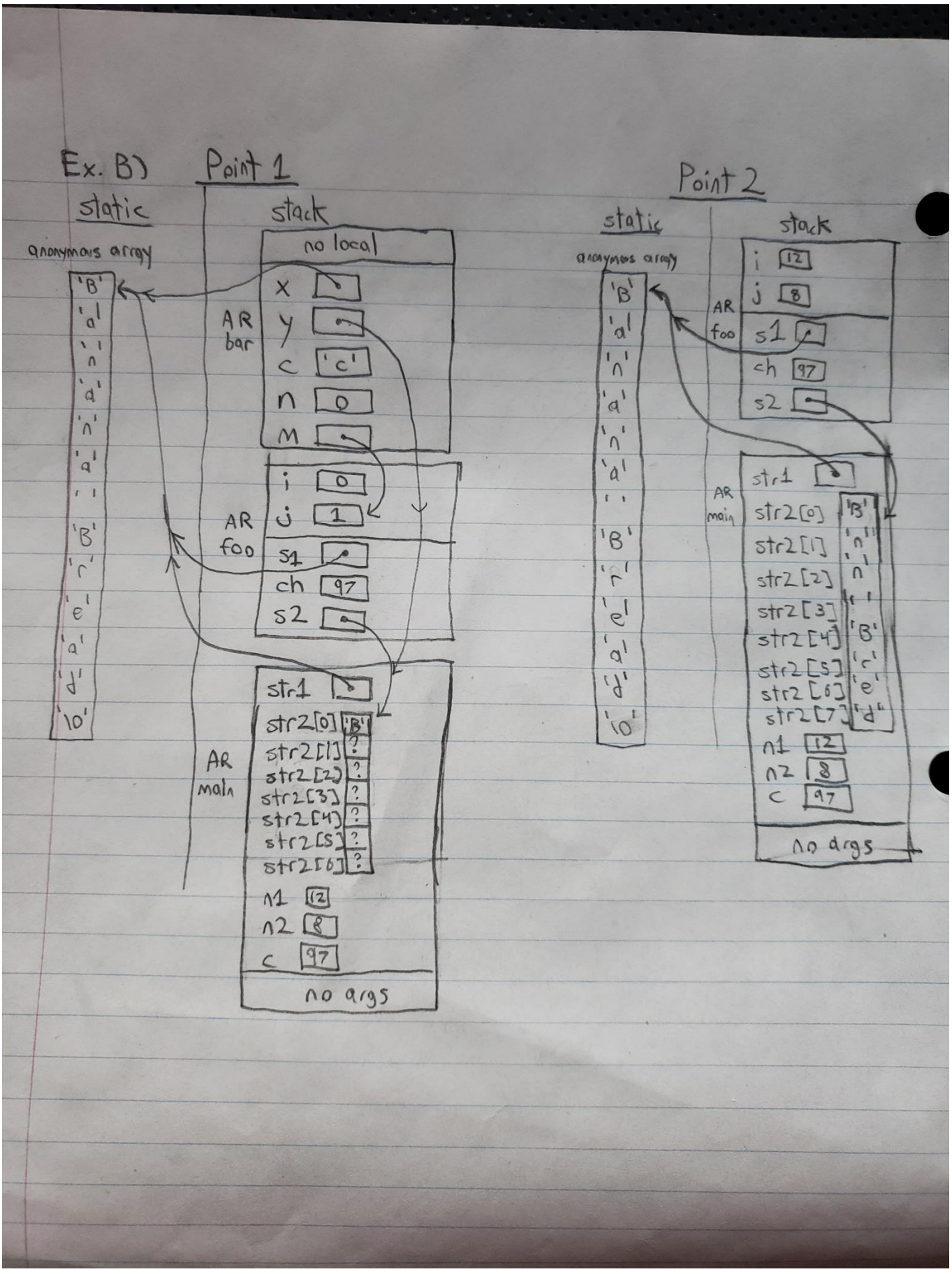
Ex. A)


static
anonymous array
100
9
17
0
15
stack
i -1
AR
reverse
source
n=_source 5
reversed
m
a[0] 100
a[1] 9
a[2] 17
a[3] 0
a[4] 15
AR
main
size_a 5
i 5
reversed[0] 15
reversed[1] 0
reversed[2] 17
reversed[3] 9
reversed[4] 100
n 5
no args


Ex. B)
Point 1
static
stack
anonymous array
'B'
'a'
'n'
'a'
'n'
'a'
' '
'B'
'r'
'e'
'a'
'd'
'\0'
no local
x
y
c 'c'
n 0
m
AR bar
i 0
j 1
s1
ch 97
s2
AR foo
str1
str2[0] 'B'
str2[1] ?
str2[2] ?
str2[3] ?
str2[4] ?
str2[5] ?
str2[6] ?
n1 12
n2 8
c 97
no args
AR main
Point 2
static
stack
anonymous array
'B'
'a'
'n'
'a'
'n'
'a'
' '
'B'
'r'
'e'
'a'
'd'
'\0'
i 12
j 8
AR foo
s1
ch 97
s2
AR main
str1
str2[0] 'B'
str2[1] 'a'
str2[2] 'n'
str2[3] 'a'
str2[4] 'n'
str2[5] 'a'
str2[6] ' '
str2[7] 'B'
'r'
'e'
'a'
'd'
n1 12
n2 8
c 97
no args

Exercise C Output:

Enter the number of rows (Max 20): 9

row 0: 1

row 1: 1 1

row 2: 1 2 1

row 3: 1 3 3 1

row 4: 1 4 6 4 1

row 5: 1 5 10 10 5 1

row 6: 1 6 15 20 15 6 1

row 7: 1 7 21 35 35 21 7 1

row 8: 1 8 28 56 70 56 28 8 1

Exercise D Output:

a has 5 elements: -10 9 -17 0 -15

negative elements from array a are as follows: -10 -17 -15

Now testing substring function....

Answer must be 1. substring function returned: 1

Answer must be 0. substring function returned: 0

Answer must be 1. substring function returned: 1

Answer must be 0. substring function returned: 0

Answer must be 1. substring function returned: 1

Answer must be 0. substring function returned: 0