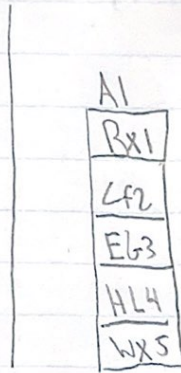
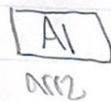
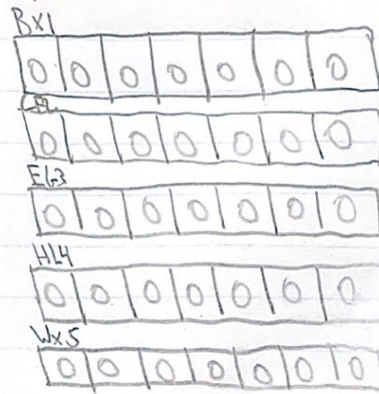


a)

Stack



Heap



180 Bytes Used

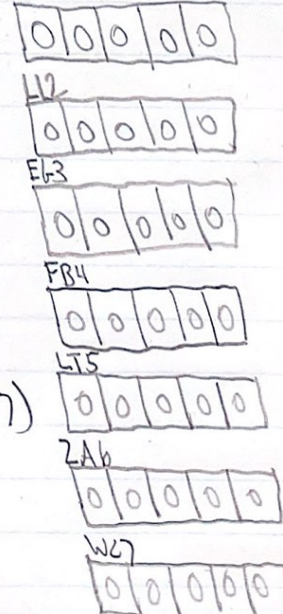
$$(8B \text{ for ptr} \times 5 \text{ rows}) + (4B \text{ for int} \times 7 \text{ cols} \times 5 \text{ for each row}) = 180 \text{ Bytes}$$

b)

Stack



Heap



$$(8B \text{ for ptr} \times 7) + (4B \text{ for int} \times 5 \text{ columns} \times 7) = 196 \text{ Bytes}$$

c) $\text{Memory use} = (P \times 8) + (VP \times 1)$