Part 1: Analyze Insertion fort. 1) Method takes 2 parameters, an Array and its kength. n gais on wintil i= n-1 3) sos value 12ey to Array [i] -) convert indux Sets value is as i-1-s current value - 1

Shi'le loop checks if 120 and if AGIT >key,

- If this is true, then it sets AC; +17: ALIJ,

which basically moves the element at position j to position - 9+ reduces the value of 5 to j-1.
- This bascially is sorting the left side of the array [until the index is). (6) set A [j+1) + o Rey. The for loop runs for n-1 times and while loop runs until the cryay on the Teft side of the index is sorted.

Sorted until index i. N-MAX LICHX PRX M Aurage pine! - (2(1) 1)

HW-3 - WH - (Problem 2) Matrix multiplication Analysis Wheat does it bosically do 7 given priays A 1 B (2d)

Multiplies each fow of A to Eath Ol of B Psido Code malysis:

1. Takes 20 arrays A & B as input

2. if # of Cols of A + Row of B, then it throws

an "Allegal Argument Expleption", since matrix multiplication

is not defined un this case.

A cols B, & ornay result (2) erray with size of rows A x cols B

filled with 0's].

would be intilized with size of 127 (2) filled with 0's Co the dot product of the corresponding for loops, to calculate the dot product of the corresponding row in A G and in B. 4ts and result is added to the sum. 5. The result (sum) is stored in the result matrix. sesult or any will be returned at the end of the method!