```
Write on algo to swap a number.

Algo Swap (a,b)

word (3) temp (a a; a (b) b (b) temp; temp
                                                                                                                                              n2b
                                                                                                                                                b & temp.
 OTime: Time function
                         f(n) t(n)
    @ Space; Figure out memory space.
     3. N/W consumption
          4. Priver Consumption.
          5. CPU register commertion.
                   Time function f(n) = 3
                                        7 = 5*a+ 6*b -> 1 withme.
                    Space: Variables
                                                     a b g 3 variable temp. Government
                                                     s(n) = 0(1)
                                                                                 3000 its coust
                 Frequency count:
                                Algo Sum (A, N)
       Algo Sum (1) (1) \frac{1}{1} \frac{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} 
                         A 839 1 2
                                         f(n) = 1+n+1+n+1
                                                           = 211+3
                                                           degree = 1
                                                                0(1)
                      Space ; Variables
                                                               Variables

A - N words

N - 1 S(n) = N+3

S - 1

i - 1 S(n) = O(N)
             Algo to find sum of 2 matrices.
                     Algo Add (A,B,n)
                                        $ for (j=0 (in), j+1) (1)
                                                               \frac{f(n)}{f(n)} = \frac{n+1}{n} + \frac{n(n+1)}{n+1} + \frac{n^2}{n}
= n+1 + n^2 + n + n^2
                                                                = 2nº +2n +1
                                         degree = 2
f(n) = O(n^2)
                 Space: Horrichiles
                                          # \frac{1}{8} \int_{0}^{8} N_{R} N = n^{2}

# \frac{1}{8} \int_{0}^{8} N_{R} N = n^{2}
white our space to multiply 2 matrices.
Out analyze than comparity and space
Complexity.
```