

Another proops of XOR; XOR of same no is o Tie 5 MS = 0 192 8/17 ng = 7 0 17 1 a Riporte Not - flip all bifs Swift operations 2c left slift ] & Binary spendons
>> Right shift ] near too operant to operate. i) left suift - snift 1 portion facur toward left 00/0/0 > ques, ceft 1 means > muliply by 2 19 arc1=) ax2

Page No. Date: 197 a < < 2 > 10 a 42 # 2 5 ex 2 => 5 x 2 x 2 2 20 Thus Reces ⇒ a+2° interport = or (1 < c) y Smilarly Pight swift (divinent man)  $\left(a > b \rightarrow a/qb\right)$ \* application 1) to find unique no in annay, where every no repeat twice > X OR of same no is 0 (agr b 1 d) = b 2).  $(n & 1) = 1 \Rightarrow n \text{ is odd}$   $0 \Rightarrow n \text{ is even}$ find the ith bit (from Right) (N& (12<1))>0?11:10; set the ith bit int mast = (12<i) n= (n | mask)





