Batch-1

-> XOR Linked List

· Program:

struct node int data; struct made + link; typedet struct node \* NODE; 2XXXXXX NODE XOR (NODE a, NODE b) return (NODE) (cuintptr-t(a) 1 (wintptr-t)(b)); void insert-end (int data), NODE head) NODE newnode = man (NODE) mallor (size of (struct node)) new node -> dota = data; newnode - link = nou. if (head = = NULL) head = newnode; NODE curr = head; else NOOE Prev= NULL; NODE K

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ABHAYAN
      While ( curr -> link != prev)
                                                              1BM186 5001
        11: uur alling;
             current - xor burnaged - link, prev);
              prev=k;
         wire - link = x or (wir-> link, new node);
          newnode -> link = curr;
}
      insert-beg lint data , NODE head)
         NODE neurode = (NODE) malloc (size of (struct node));
              newnode - data = data;
              newrode - link = NULL;
              if (head == NULL)
                      head = newnode;
               +
               else
                       new node > link: head;
                        head - link = xOR (head - link, newnode)
                        head = newnode;
                 }-
```