```
void swap (int K, struct node * top)
{
    int temp, Y, X, c;
  struct node * temp = top;
    int p, i = 0;
    while (temp != NULL)
  {
    i++;
    temp = temp -> next;
  }
  if (i < K)
      return;
  if ((2 * K - 1) == i)
      return;
    struct node * X = top;
    for (int b = 1; b < K; b++)
  {
    X = X -> next;
  }
    struct node * Y = top;
    for (int b = 1; b < i - K + 1; b++)
    {
      Y = Y -> next;
    }
      if (X -> prev)
      X -> prev -> next = Y;
      X -> next -> prev = Y;
     if (Y -> prev)
       Y -> prev -> next = X;
       Y -> next -> prev = X;
      struct node * c = X;
   X -> next = Y -> next;
   X -> prev = Y -> prev;
   Y -> next = p -> next;
   Y -> prev = p -> prev;
}
```