Ilf: Assume 
$$X_{i} - x_{j}$$
 is more of  $x_{i} - x_{n-1}$  (inducting  
 $X_{ie} - x_{n-1}$  is max suff of  $x_{i} - x_{n-1}$  of ALG)  
ALG: If  $x_{n+1}(x_{k} - x_{n-1}) > x_{i+1} - x_{j}$  then  $x_{k} - x_{n}$  is new OPT.

And XK+-- Xn = Xa+-- Xn > 0 So me applate correctly.

