	har recurre code internally iterative hi cheta hai
	ruler pattern
•	void pat (intn)
	{ if (n==0) return;
	pat (n-1);
	for (intist; ik=n; i++ ) 30P ("-");
The second section is a second of the second	sopen();
	pat(n-1);
	English ruler
	void er (int major, int len)
	9 (or (int i=0; is len; i7+)
	{ for (int ont = 1; ont <= major; entir) 30p("-");
	sopln(i);
	par (major-1)
	for lint out = 1; ent <= major; ent ++ ) SOP ("-");
	Sopln (len);
	J
	Array Recursion
i	BP: (0, aux) SP: (1, arx)
	void print ( aux [7, idx)
	if (idx == air. length ) return
	SOPIN (antidas)
,	print (arr, idx+1)
•	3
	dry run
Name of the last o	print (arr,0) 10 20 30 40
	print(art,1) print(art,2) print(art,3) print(art,4)
,	Jest Tour, 4
Market and the second s	

Page No.:

	Array reverse by reverse
	0 0
	if (idx == our length ) return
	reverse (arr, idx+1)
	SOPIn (arstidx7);
	Max of array
	. 0
	max (int out], int idx)
	? if (idx == au.length -1) return our [idx];
	int sp = max (au, idx+1)
	return Mathinax (antidas, sp)
	Al.
	Min of array
	main / s
	min (int aust)
	if (idx = = ars.length-1) return aus Tid+7
	int ep = min (ars, idx+1)
	3 seturn Math. min (aux cides), sp)
_	
	first Occurance
*	firstoce (int auti), intide, intary)
	if lidx == ar. length >
	if (autidx7 == key)
	else setion de
	firstocc (int auti), int idx, int key)  If (idx == au. length) return -1;  If (autidx 7 == key) return idx  else return firerocc (au, idxx)
Maria de la Companya	

	geget i Albanian i George Angel en grant grant geget between de grant geget de kompete forste anne et de grant La transport de grant geget de kompeten de grant geget de kompeten grant geget de kompeten forste anne de gran La transport de grant geget de grant geget de grant geget de grant geget de kompeten geget de grant geget de g
last occurance	
BP = (idx, key) BP = (idx+1. key)	
lastoce ( our , idr, key)	
if (idx == au length) return -s	
int sp=lastoce (idr+1, as, key)	
if (3p==-1 22 aur Tidx] == key) su	tun idx
seturn sp	
3	The state of the s
a <sup>b</sup>	
$BP = pow(a,b) \qquad SP = pow(a,b/2)$	
if (b==0) suetnen 1	
int &p= pow (a, b(2)	
if (b%2==0) return sp + 3P	
else seturn ep * ep * a	,
-	1
	<u>, , , , , , , , , , , , , , , , , , , </u>
dry sun pow (2,9)	
pow(2,9)	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	p(2,0)
= 29	1
1 1 8 0	
factorial	
	•
	**
	- 1
	2 - 1
	1 .