JOHNSON TROTTEL ALGORYTHM et include (staio.h) # inducte (stalib.h.7 int grag = 0; int sway (int *a int *b) int search (int ares 17, just num jut mobile return -1; find - Mobile (int ager 17, jut all) jut mun int mobil = 0. if (d (aeur 17-7 == 0) er i!=0)

(ana 1:7 > anos [:-17 22 area 1:7 > mobile) mobile = acut (i). neturn mobile;

void parmutations (int asur [], int d [] int nun int nobile = find Mobile (ag d, num)

int pos = search (aove num mobile)

if (d [our [pos-17-17=====])

swap (2 over [pos-17, 2 over [pos-17]) swap (lane (pos-1), lan (pos). if (1 larg 1:7-17-20 jut factorial (int k)

print (" total permutations = 1/d", z),
print (" In All possible permutations acre; \77). permutations (are, d, nus). suturn o,

1	
	oweny
+	
1	Johnson trotter algorythm to find
1	all pernutations of given number
1	
-	Enter he number
	3
+	total permutations - 6
1	III possible parautations and
1	
1	2 3
	3 2
3	1 2
3	2
2	3 1
2	1 3
	- 1/2
	PATTERN MATCHING
1	. /111-47
2	include (strong.h)
世	Indu de Com Jan
	+ supplying Match (would war + type would char +
	t sussing Match (wonst war + typh would char + pattern)
	int textlen = strlen (tex);
	nt gardern len = stokn (yattern).
1	or (inti=0; i == textlen = patternlen, iti)
3	
1	int;



