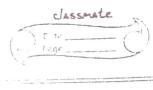
	Classmate Date
13/06/24	
	Johnson briotter algorithm
	# Prolude estateo.n>
	# Proclude < stdl?b.h>
	ent plag=0;
	Prot swap (Prot *a, Prot *b)
	& Pot += *a; *a = *b;
	*b=+;
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Int search (Port asses, Port num, ent mobile)
	& Pat q;
	3
	pulgeo; genun; g+t)
	(glaniga = Eparass)
-	uetur 941;
	else
	£ 1/lag++;
	4
	•
	· setun-1;
	3
	Port pend mobile (Port ask C), Port de 3, Port num
_	& pot mobile =0;
	Put mobile-p20;
	PA 90
	10x(8=0; 9chung 8++)
	£
	((d[an(1)-1)=0) 4 f (1:0))
	€
· ~	9 (anti 3 > anti-13 + + anni 3 > mobile p)
	¿ mobile= aur c: 2"
	mobile-p=mobile; i
,	



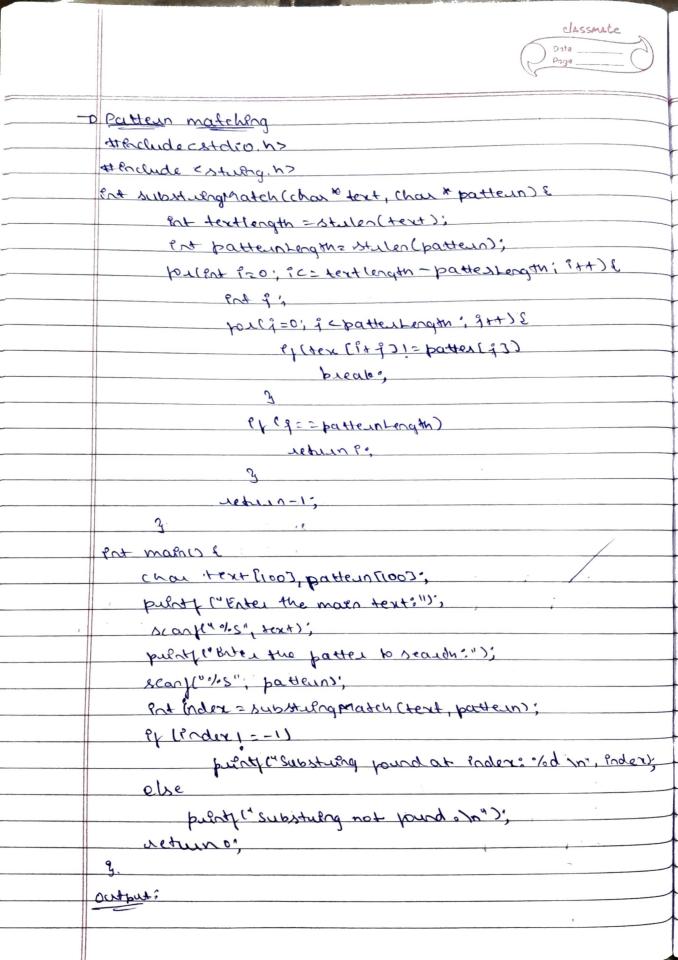
clse& Hagtt: clse (((d (arrs)-1)==1) 4 9 1 = num-1) (q_sidome()3mo }+ (1+1)mo(()1) reiluse = ofdom mobile-p=mobile; 3 sals flag ++; Py ((mobile_p==0) + f (mobile==0)) returno; return mobile; World permutations (Prof asses, Prof dE), got num) 2 tot ?; Put mobile = kind-mobile (ass, d, num); Prt pos= search (ass, rum, mobile); Py (draw [pax-1]-1]==0) swap(4 arx Epox-1), (arx Epox-23); else swap (fass Epes-17, fass spors);

pallet 120; ichum; PH) (s) (auxi) smobile) (0== (1-[1]/12] b) 19

classmate	
Date Page	7)
:1=[1-[3]us]b	
 else	_
:00 E1-Ci)Kus3b	
 3	
3	
 parciao; conumi, ita)	_
ξ	
pulaty (" yod", assis);	
2	
9	
Pot factoreal cont 10)	
8 6vt t=1;	
5U+ 650,	
KON (P=1°, PCF+1°, P++)	
S.	
1=1×6;	
2	
Jehun ji	
3	
 Pot maraco	
E Pot num = 0;	
Pat 6:	
8rt 9;	
 PM 2 =0;	
 pulati Johnson trotter algorithm to find all	
permutatione of gener numbers in ");	
 prenty ("Enter the number ");	
 scantindoda, trumi,	
 ? nt an Enum), d'Enum);	
 z = facrould(num);	
 pully "total permutation = %d", 2);	
 bround si la va boussple berunganou cre: /u,);	



pulla 920°, icrumo itt) 10= Ciss C141= (32KLD pulaty("%d", assci); pully (" h"); pulg=1; 9c2; got) permutations (as, d, num), pulate ("\n"); sehino; output? Johnson trottes algaretum to fend all permutations of 4231 14123 given numbers. 4213 4132 Enter the number 83 2 U 13 1432 total permutations = 6. All possible permutations are \$1342 2143 2134 1 8 3 1324 3124 1 3 2 3142 3412 231 4312 4321 213. 3421 Enter the rumber: 4 3241 total permutation=24 3214 All possible bermutations are 2314 1 2 3 4 23 41 1243 lu 23 2 4 31



classimate , () toota Exten the male text: his would. Extende pattern to reach would Substiling bound at Edex U. - D Leetcode u: Phodothe Ath langest Porteger to away ent emploonst void a , rout void * D) & coast chart stal = " (const chase)a; const char stur = * (cont char) b; & (Staten (Stat) == "staten (sturs) & return strompostal, Mar); wehren Malen (star) - stalen (star); Char + kth Laugest Number (char # & nums, Prot numsize, int k) & good (nums, nums size, size of (chair); cmp); return nuns (nune Size-K); 3 17/6/24 output: ccese 2; (ase 1: Paper Paput NUMD=["3", "6", "3", "10"] runs=["0", "0] 424 output 2'3" output: "o" expected=3. expected: "o" Case 3: Papus nums=["2", "2,",",2",","] 10 = 3 output: 2" expected: "2".