TIME + SPACE	PAGE NO:
COMPLEXITY	elecation of group 50
	Pelation of Input size
- Those codes would	
take legs time and	Can be - Linear
nead lack Hemoly	- Square
Space - ARE	- Cubic
Space - ARE Efficient	- quadratic
	- Logn
TIME COMPLEXITY	
	WAYS TO FIND
- Pelation between	TIME COMPLEXITY
quent size of luming	
Time (operations)	· BEST CASE = 1
Ta engy we guput	· AVERAGE CASE = \$ = "GIL)
[m = 2]	
and for a (for loop) for	· WORST CASE = ON
Le 2 times and print	
(Viction would +2)	condeces tanding by
	crample
- operation = printing "Uello world" & 2	numbers = [1,2,3,4,5]
"Wello world" + 2	Search for - 111
Hines	
	DRest case (1 2 345)
- 9 mput 5:20 = 2 (i.e.	DReg 1 case (1 2 345)  [POSP-2]
Interige	The state of the s
or say 4 bytes	Hamalia sous operation
	ak laga

VIME succease cars I can be present at any position for i=0, 0,1,2,0.49 1=1 -> 0,1,2 m operation mi=2 -> p,1,2 m WORST Time complementy 3) LUCAST CASE (n+n) 1:e |3+3=9 I is present at 5th operations = 5 t use usually take \* Small guput sizes worst case in solving are early processed, question in ex but lange Expert 5:20 will ereponentially Lov (n=3) queueage the fine complexity Ent n = ginpud. new 9nt(); for (int 8=0; icn; 2+1) { for ( = 1 = 0; 1 < n; 3 +1) { print (hellowoods);

