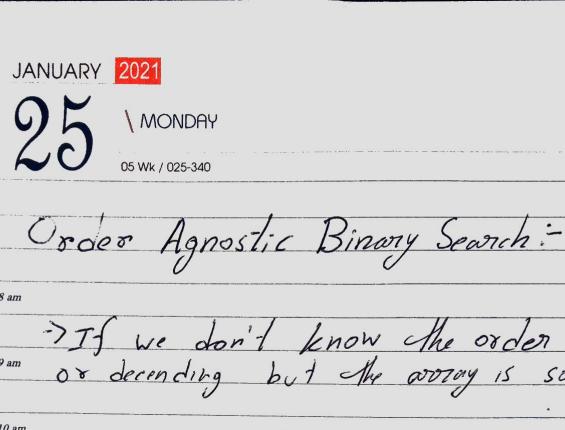
(op hona)
noon Binary Sewich
o) Optimised way of searching in array
2 pm .) Arrays need do be soxted
3 pm
in Linear Search: N=> No. of elements mex. comperish
4 pm
s, e
5pm arra [] 4 6 9 11 12 14 20, 36, 48 farget = 36
spm arr: [2, 4, 6, 9, 11, 12, 14, 20, 36, 48] fargit : 36
evening step-1 = Find middle element
STOP + 1 - PINO MILOUM ELEMENT
7pm Step-2: If target > mid => search in right
51lp-2 17 mg
0/60 6000-1 10 10 11
else search in left
T(:) - =
3 = If middle = = farget, answer
to all the send element not found
TICIA PENCY PRINCIPLE TO CONT

JANUARY	2021 \\ FRIDAY	A		orrey	no ^d	(4×2)	M T W	T F S S M T 1 1 2 3 4 5 6 14 15 16 17 18 19 2
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on			6	7	<i>y</i>		15	1
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								«Мониментичности и поста при одниција у пријаког у откоја подија и поста од применени применени и поста од при
					TO TOTAL NAME OF THE OWNER, OR THE OWNER, OR THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,			

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SATURDAY // 23

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gas a commence of the same of	worst case		
and the second of the second of	0 / 1/1	/ N	· ½0
8 am	(1) 1717	7 1/2	: 1/21
9 am	(2		N/. N/2
10 am	7 ///	N/2/2 =	74 - 2
11 am		1/9	: $\sqrt{2}$ 3
noon	(Ktheve!		<i></i>
1 pm			= 2k
2 pm			
3 pm	N = 1 = > N = 2k	2) log (N).	109 (2 h)
4 pm	2h		
5 pm 9	> log N = h log2) k=	109 N 109 2	Sunday 24
evening	K = 1092 N		
7 pm	J 2		
	Worst case composish =	log N =	O(log N)
	Sourch in 1000000 3) Linear =	10000
		Bih 029 =	20



M T W T F S S S M T W T F S S S M T W T F S S M T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S M T T W T F S S S S M T T W T F S S S S M T T

JAN 21

8 am or decending but the array is sorted 10 am Problem 3, 4, 12, 60, 80, 120, 200] noon Compore. Sand E 1 pm S) E) asendary decending 2 pm E > S > assending 3 pm