

$$\frac{1}{21} = \frac{1}{21} = \frac{1}{21}$$

it (12) e1/1 1/2 e2) { / soon authorging How to menge aniesting aniessed of start time, merge all overlapping intervals and return sorted list.

$$\frac{E(W_{1}, 21), (P_{1}, 8), (P_{1}, 8), (P_{1}, 8), (P_{1}, 1), (P_{1}, 1),$$

$$\frac{1}{2!} \frac{1}{12} \frac$$

Internal (2 = \$ 10,2), (1,4), (2,6), (6,8), (4,10), (8,9), (12,14)]

w	ment analitable	lapuam us 79	final Bi
(012)	(1,4)	(0,4)	
(0,4)	(5,6)		(0,4)
(5,6)	(8,0)	(8,8)	(P10)
(5,8)	(01,10)	(5,10)	(P10)
(5, 10)	(8,9)	(5,10)	(P10)
(2,10)	(15,14)		(P110)
(12,14)			(P10)
			(S, 10)

int [2 am; am [1] = int

0. [1] mo come; -> ome(1] ome(1]. T

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Jist < Internal > ansi,
com- Frant = am Low, and = one Low Low
for (1=1; 1 < m; 1+1) &
I the ment internal author with auns
if (am (1) . 7 < com - end) &
mest eripusmi
comera = Mar (om era, am(13.04);
_3
Q1/10 &
numes of landston huma hard 11
11 cuale a new interval
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or bony pack cherry.
I means our mouse our
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om eng = om (:2·6;
12
In and ful (our stant, our end);
or boy pack chents;
, ou newlen
(a) 0 to 7
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Boeak 8:12 Am - 8:20 Am

soup,	
<u> </u>	- wow

Given a sorted list of overlapping intervals based on start time, insert a new interval such that the final list of intervals is also sorted and non-overlapping.

Print the Intervals.

N = 9	
(1,3)	
(4,7)	
(10,14)	
(16,19)	
(21,24)	
(27,30)	
(32,35)	
(38,41)	
(43,50)	

now ; mound (12,22)

N = 9	neve internal	<u>Ans</u>	
(1,3)	(12,22)	(1,3)	
(4,7)	(12,22)	(4,4)	
(10,14)	(12,22): (10 22)		
(16,19)	~ (10,122): (10,2)	2)	
(21,24)	(10,22): (10,2	4)	
(27,30)	(10,24)	(10,129)	
(32,35)			
(38,41)			
(43,50)			

€ · <i>g ≥</i>)			
	new interna	. A.,	
(1,5)	(12,24)	(2,1)	
(8,10)	(12,24)	(8,10)	
(11,14)	(12,24) (11	,24)	
(15,20)	20) (11,24); (11,24) 24) (11,24); (11,24)		
(21,24)			
		(1101)	
	(ms, me)	-> new internal.	
rob	(1=0', ixm',	3 (44)	
	CIM	tend = Internal (17')	
	// ma	m Owlassing	
) 5;	(ms> cIntend . e) {	
		Print (cInternal);	
		se if (counterest. 7 = 5	
	1	from + (m) + mor	
		for (321; 5 <m; 5*+)="" ?<="" td=""></m;>	
		(G. [3] loweruz, L. Collemetur] tuted [];	
		; nestere	
		7	
		else & mb= min(cinterallizes, mb);	
		ne= mor (cIntend(i].e,ne);	
		3	
	3		
	Print (mb,me)'	

dues

Given an unsorted array of integers, Find first missing Natural Number.

(1,2,3,...

our [5] => & 8,-2,1,2,73 -> 6/1.

an(7) = \frac{1}{2}, 6, 4, -8, 1, 3\frac{1}{2} = \frac{1}{2} = \frac{1}{2}.

{ -2, 4, -1, -6, 3, 7, 8, 4, -3 } -> 0~ 1.

era = \$1,0,-5,-6,4,23 = 0, 2

{1,2,5,6,4,3} As -= =

1-4, 8, 3, -1,0}

As -3 5

bol 1: Dowle force

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be [1 was]

for (1=1) 1x=10; 1x+7 8

for 120; 2 < m; 30+) }
Bowle force search for i.
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—
for (1=1; (x=n; 1+) {
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8.C30km),
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idea & we bosting
. 7.
ξ-2, 4, -1, -6, ³ , ⁷ , ⁸ , ⁴ , ⁻³ ⁷
J. C > Omiesm
-6,-3,-2,-1,3,4, 3 ,8
idea Ahish
Ax Gay = 210
12-14 20 30

ide:	Q4 <u>'</u> ~	keep an	element	into its sight
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	^ - 5			
	<u>N = 5</u>			
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	0	1 2	3 4 3	<u> </u>
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	y Ciju	2 *	6	± 8
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•	\mathcal{I}	767		
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2	4	767		
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6	7	per	0	-
7-	8	767	2	-
			<u>,</u>	
	1		~	<u>w-1</u>
	7			<u> </u>
	(J



