



	5 mon 4 2 1	min 4	3 min	L Ldistin	at	
	Find the sum of (max - mur) for a	U subs	ets of	
Some learne	NS OLEK KOLLA	((+) menx	(-) min	mox_min	
Sey	on array	15	×	X	Х	
Quiz not Showingus	0 0 1 2	{3}	3	3	0	<u> </u>
Quiz	a 8 2, 3, 5}	{23	3	7	^	t
•		()	5	-	-	+
n eleve		155	5	5	0	+
su su	bsel 3 ≥ 8	{3,2}	3	2	1	1
brute	$TCSO(2^{n}XN)$	{ 3.5}	5	-3	2	†
force 2	4. 0	{2,5}	, 5	2	3	<u>+</u>
	+#2 -#C	13,2,5		3	2	+
5 +1	+ a[i] _ #a[i]	(3, 2, 3) 5	•	<u>S</u>	
	max Min	Contributi	on techn	1100,600	9 <	
	0(1)					ans
#0	{3,2,8,7,4,6	1->	2,3,	t, 6,	7,8	
subset	31		0 1	Σ 3	45	
6 W max	L	Quiz	•)		•	
		را ع	n-1 - 2)		2	
#0	12 2 2 7 4 6) (– 0)	
subset 6 is min	{328746	1 -> [2,3,	4,6,	7,8	4
9 M MAC	(Qui-Z	0 1	2 5	451	7
	a Con Dame	•			\$6.7,	87
TC80(N	rnlogn)~o(nlogu)			562	
	m smt					
for loop over & D	= 7 N-1-				76,7	
	2+2xe - 2	xe z	cons		¥6,8	2
at 1	and the 21x on [1	7 - 2	7-10-	<u> </u>		
marx c	Clare C VOLI	<u> </u>	»WC {			

	size n size m n s m	_
R3	3 Given 2 strings A and B, find the length of small	est?
	substring in B which Contain all characters of A 1	
	if not possible order de matter	
ex	x A= "ab"	
	$A = {}^{n}ab^{n}$ $B = {}^{n}Aa91b^{n}$ $A = {}^{n}ab^{n}$ matter	
ex	B= "Ab91a" ans=4	
ex	X A = "bb" (aut mitters B = "Ab91b" > ans = 4	
ех	$A = {}^{\prime\prime} abc^{\prime\prime}$ $B = {}^{\prime\prime} Ab91b^{\prime\prime}$ ans $z = 1$	
	(Az"abc"	
<u> </u>	Benadobecodebanc anget	
	A 'a b c c ' b -) Afrey ang = 8.76 b -)	Afre
iden !	C -> 2	2
~ 1 C	Bracxybegh la rsracxybe	g n e
N→I	9-1 L-1 Swindow that is minimal answer	
WFreq	V key in A Freq [key] <= WindowFreq [key]	c→ \2 ×→1
C, 1 (1	(a,1) (b,1) (c,2)	y → 1 b → 1
3 ,1	Bracxybcgh labce"	1
b,1		

```
and = INT_MAX
            For 1 20 - N-1
psudo
                Afreg[a[i]]++;
ade
                                > start a vouriable window from index
            Bfreg [ b[0])++
            l = r = 0

end of String B

while (r<m & l <m) { * key an A Freq[key] <= WindowFreq[key]
                if (hoshMaplessOr Equat (Afreq, Bfreq) (10(n)

cons = Min (cons, r-1+1)
                       Ofreg[ b[l] ] -=1
    reduction
                       J+=1
                  } else { "I still don't have enough chars in 
cur window
                       1+21
                                                             A
        expansion
                       if (rzzm) break
                       Btreg[ b[r]]+21
          abc
          Ryabacy bea
                                         TC:0(mxn)
                                          SC30(m+n)
          1
```

) Sort.	
for loop	_ 1 _ n-2-1	
over 61	2+2xe - 2 xe	2 cms
at (e	1	20 - 1
undex 2	2 and += 2 xa[i] - 2	»ati]

ì	a[i]	ans
0	2	+ = 20 x 2 - 2 x 2 = -6
l	3	+= 2 x 3 - 2 x 3 = 0
2	5	+= 2×5-2×5=15