

Q Given an array of N +ve integers repr. weight of ingredients in a dish.

find the max possible sum of subarray with decreasing weight

Solⁿ

$A = [1, \downarrow]$ Adding the next ele will increase the sum of subarray.

> Brute force

For subarray, check if it is decreasing & calc. sum & take max.

$A = [1, 3, 6, 4, 3, 1, 5, 7]$

Code

$ans = -\infty;$

$s = 0;$

while ($s < N$) {

$e = s + 1;$

```

sum = A[s];
while ( e < n && A[e-1] > A[e] ) {
    sum = sum + A[e];
    e++;
}

```

```

ans = max (ans, sum);
s = e;
}

```

$i, j \Rightarrow$

$$(i \times 1009 + j)$$

min

1	2	3	4	S
1	3	3	4	S
1	2	3	4	S

Benjamin and AND

Given an integer array A of size n
 & queries

$$A = [2, 3, 7, 1, 5, 4]$$

		3	2	1	0	
2	:	0	0	1	0	
3	:	0	0	1	1	
7	:	0	0	1	1	785
1	:	0	0	0	1	
5	:	0	1	0	1	
4	:	0	1	0	0	

0	1	1
0	1	0
0	1	0

Diagram showing a sequence of dashes with a green oval highlighting a subset and an arrow pointing to a specific element.

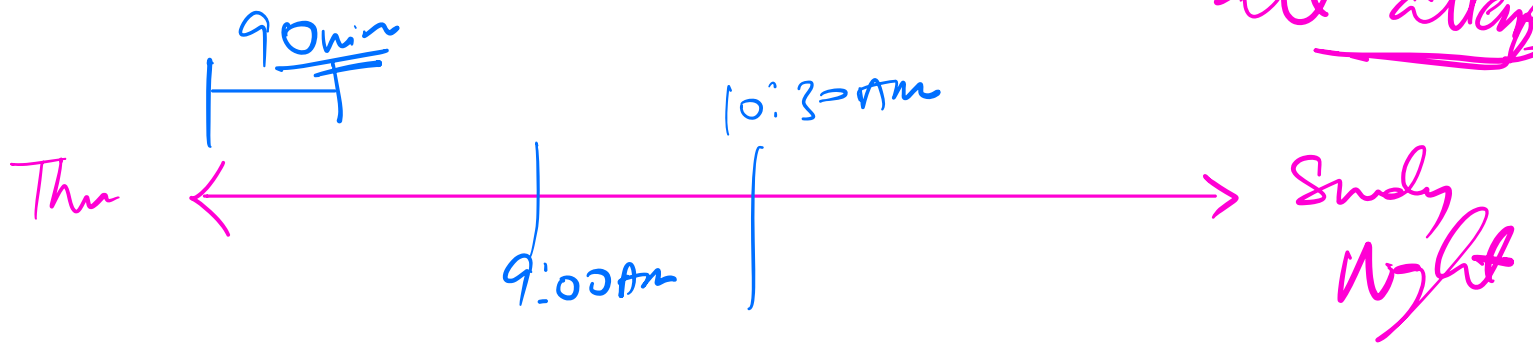
i th bit \Rightarrow Count of elements
 whose i th bit is set $= x$

Q In how many ways can I form a pair
 using these x elements

$$x C_2 = \frac{(x)(x-1)}{2}$$

Neoveristy \Rightarrow Content

Best Score
of
all attempts



Live Content \Rightarrow Practice Mode

ADSA 1

A1
A2
A3
BM1
BM2
R1

Action items :-

1) Watch all pending lectures

2x speed.

2) Solve all assignment

3) Solve all additional.

6x4=24 questions

> 80% of 24 ques

1 more
PS seen
right after
Dissect Lm