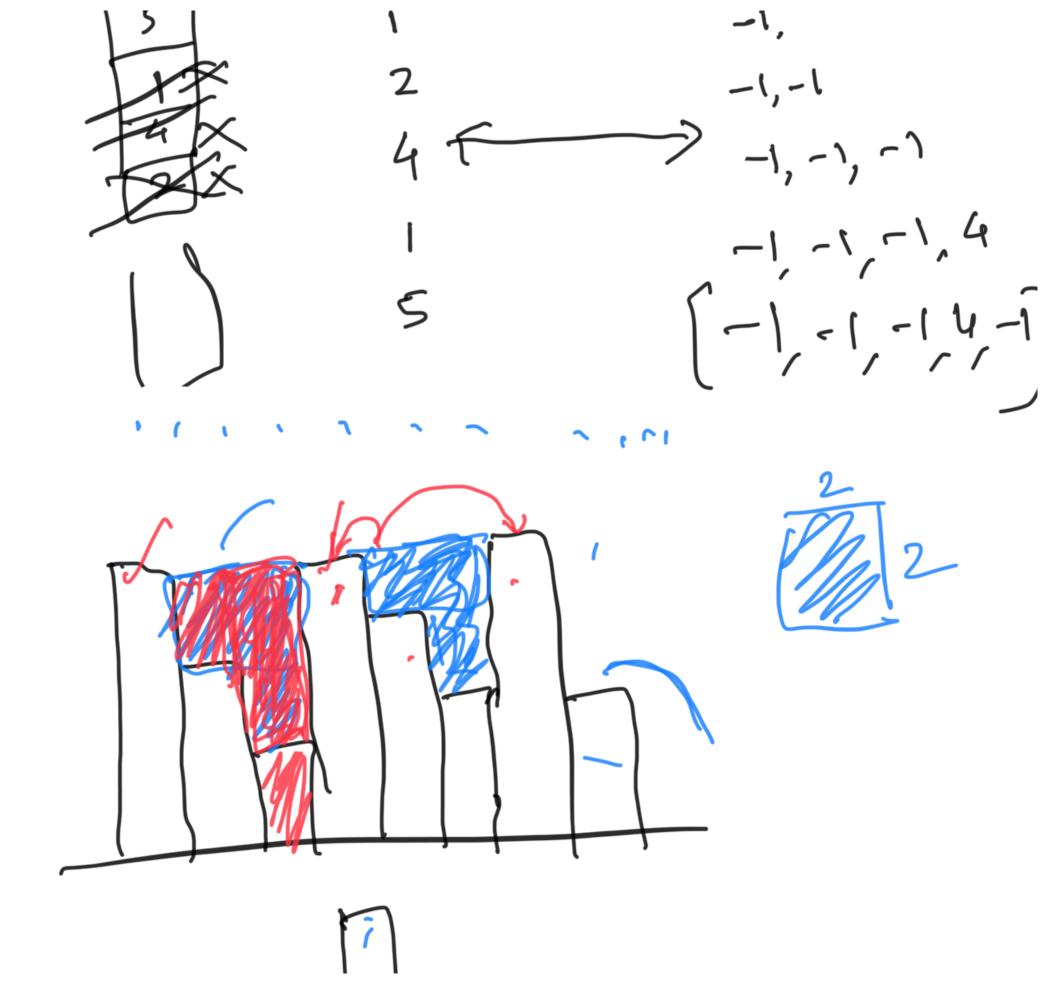
binary search 20 find frøst occurrent of 4 frod last occur of 4 cens = G

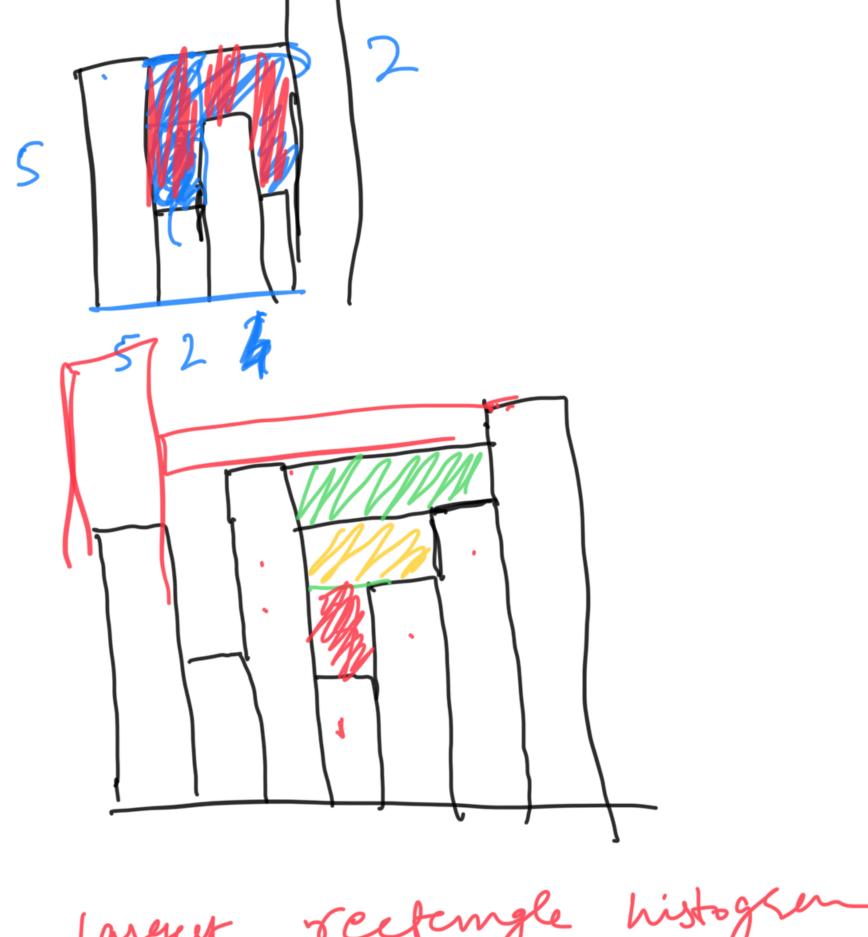
find larget no which is smaller than torget

2 1 4 | 6 | 20 | 30 | 42 | ems 6 28 find smallest so which is greate them target ans 3D Jorger = 21 ems 20 oms 30

 $\log_a b = \left(\frac{\log_c b}{\log_c a}\right)$

Math. 6910 (100) = 2 Math. Log10 (1B) Math. by 70 (man glow on Rote) Stack and quelle Finding nent greats small [1,2,4,1,5]-> [2,4,5,5,-1]





histog rectangle

K. Kad aner Algo

Max suballey Sum

[_ _ _ _

]

cur = 0

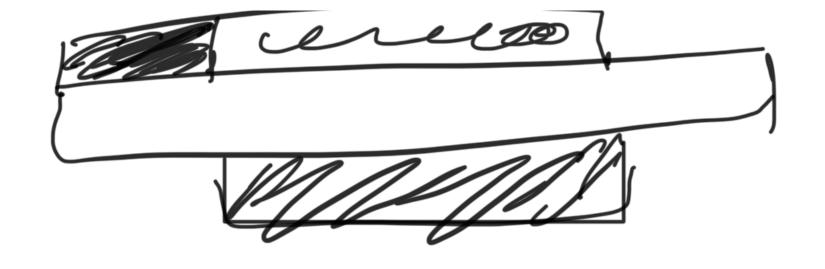
max =
$$-INF$$

for (i=0; 1 \(\text{curr.length}; 1++)

\[
\begin{align*}
\text{cur += arr[i]} \\
\text{max= max (max, cux)} \\
\text{if (c ux \(\text{co} \))} \\
\text{s cun = 0} \\
\end{align*}
\]
\[
\begin{align*}
\text{cun = 0} \\
\end{align*}
\]
\[
\begin{align*}
\text{-5, -3, -1, -7]} \\
\end{align*}

max = -5max = -3max = -1mar = -1 一字 start and end y How to find subarray.

Find nay suborray sum which is less then given integer to



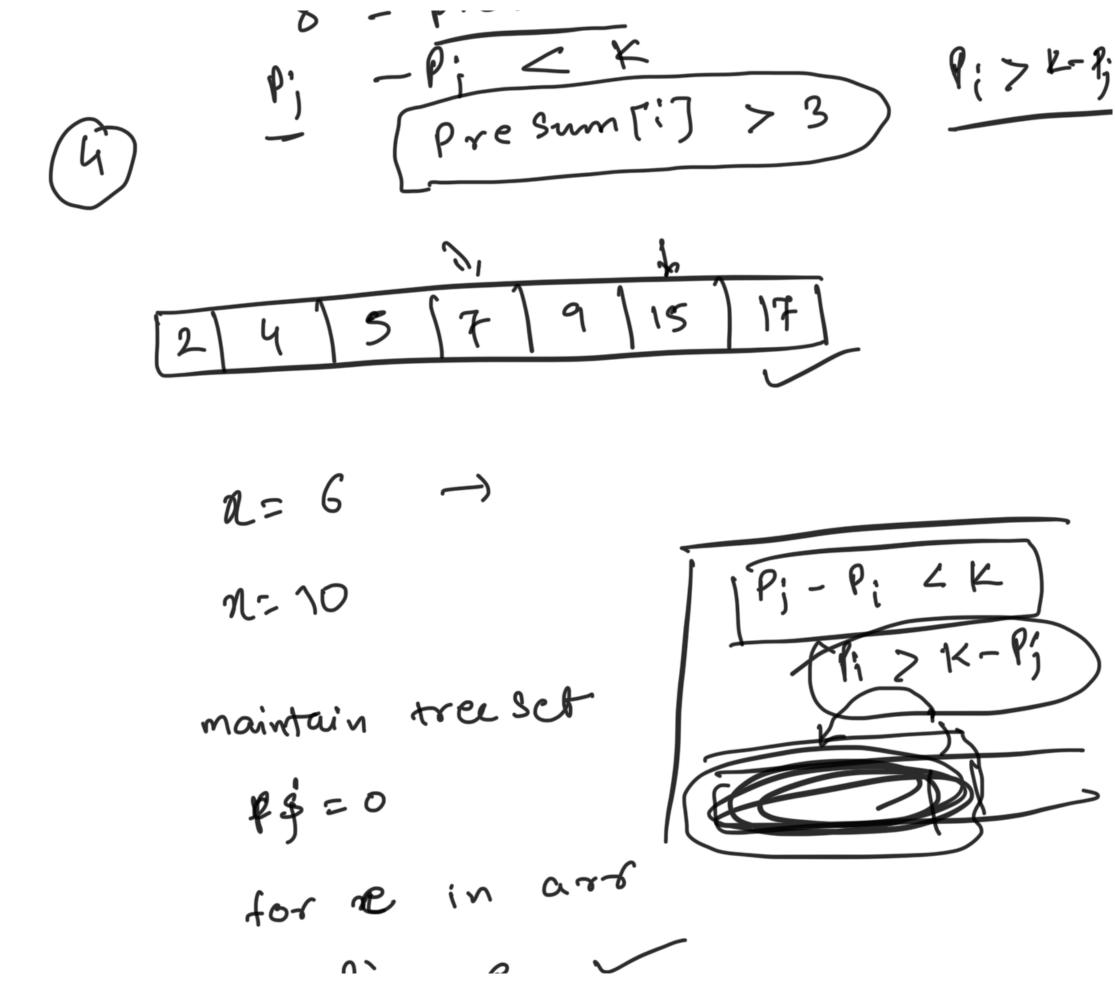
0.88 = [-1, 3, -2, 4, 1, -3, 5]Pre Sum = [-1, 2, 0, 4, 5, 2, 7]

max (Pre Sum[j] - Pre Sum[i]) < K

•

X= \$5

oresum (i) < 5



$$P = +s \cdot cil(cs + 2) :$$

maxSum = (c3 - 1, maxSum)

+s. add (cs)

$$P = +s \cdot cil(cs + 2) :$$

$$P$$

P:= -4 P; = -2

$$-2 - (-4) = 2$$

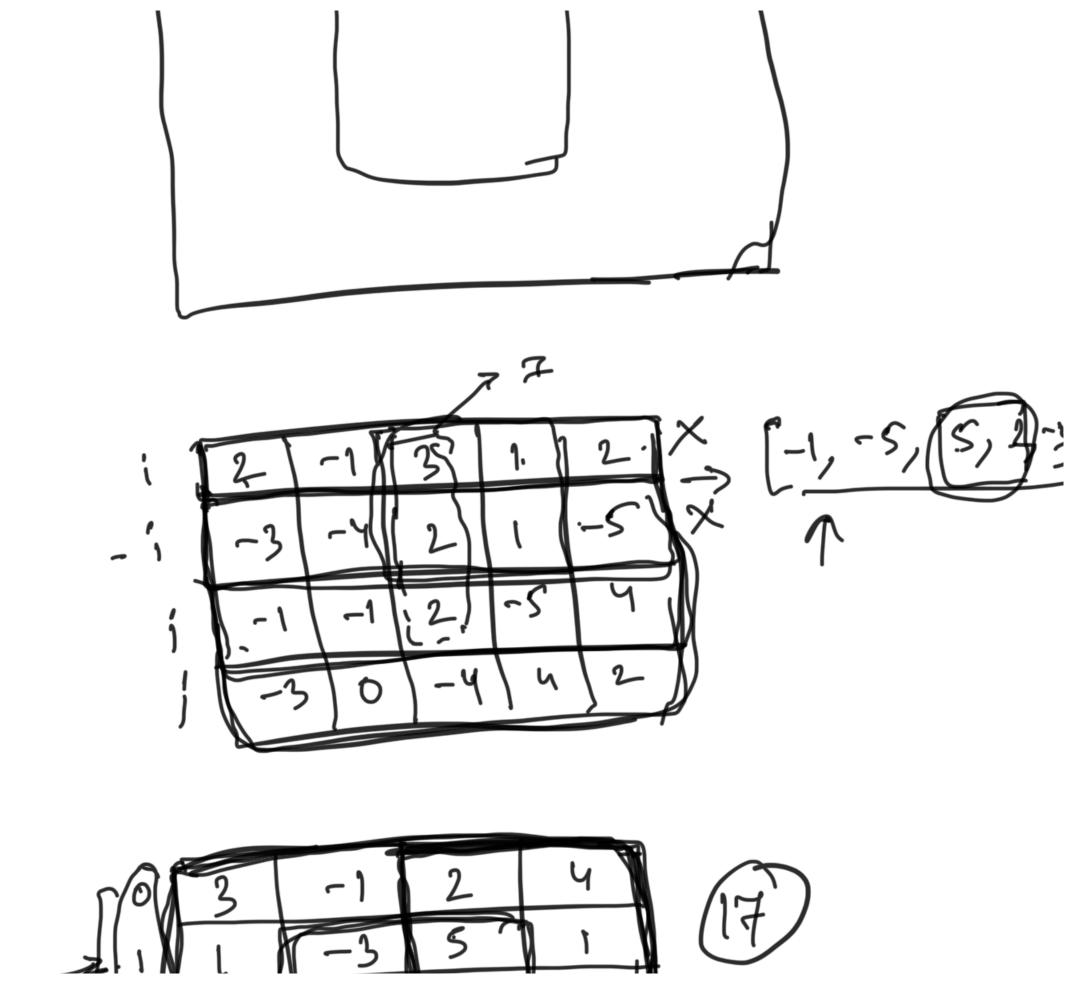
$$-3 - 8$$

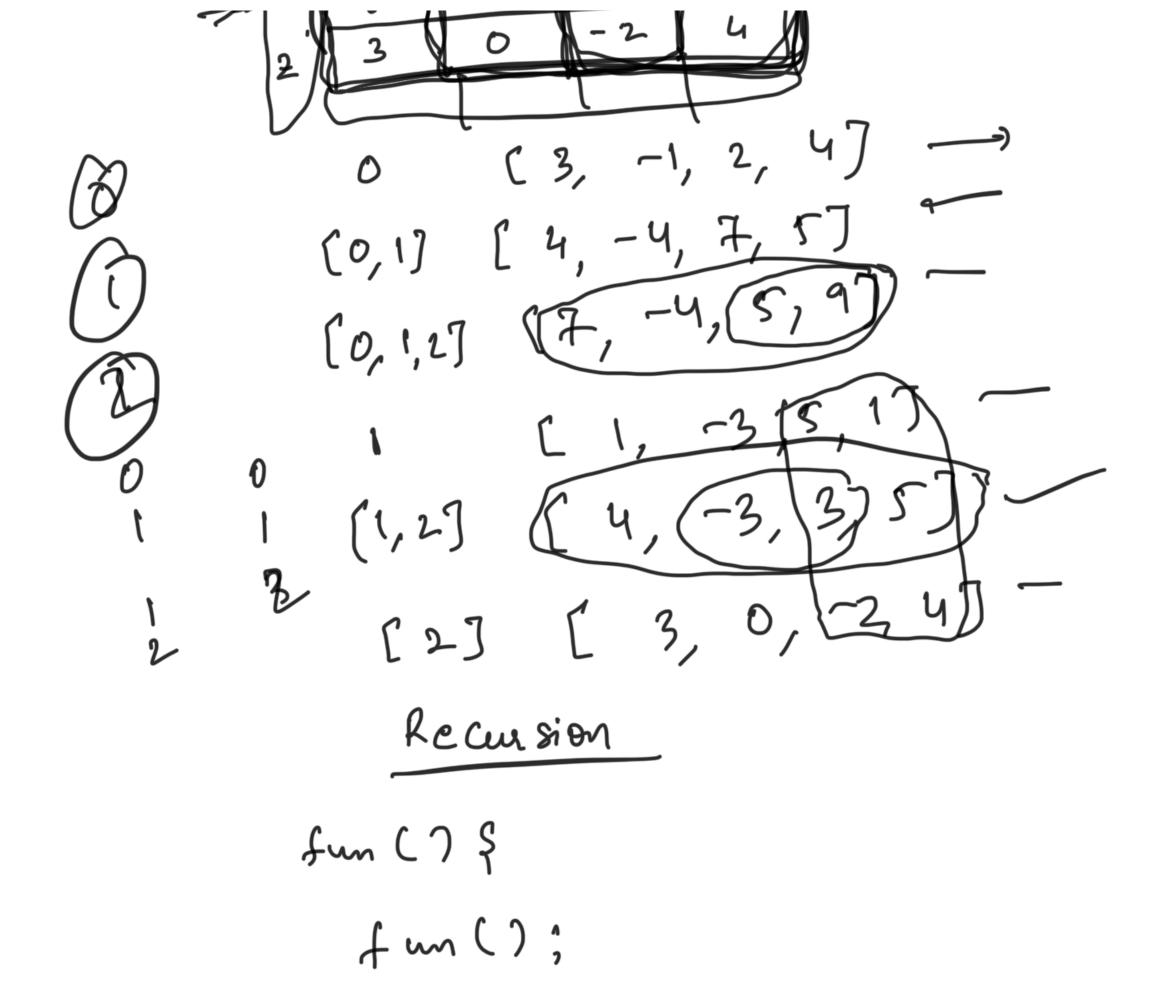
$$-3, - (-4) = 1$$

$$75 = 34, -23$$

$$75 = 34, -23$$

$$\frac{0}{0} - \frac{5}{10} = \frac{1}{4} = \frac{1}{4} = \frac{1}{10} = \frac$$





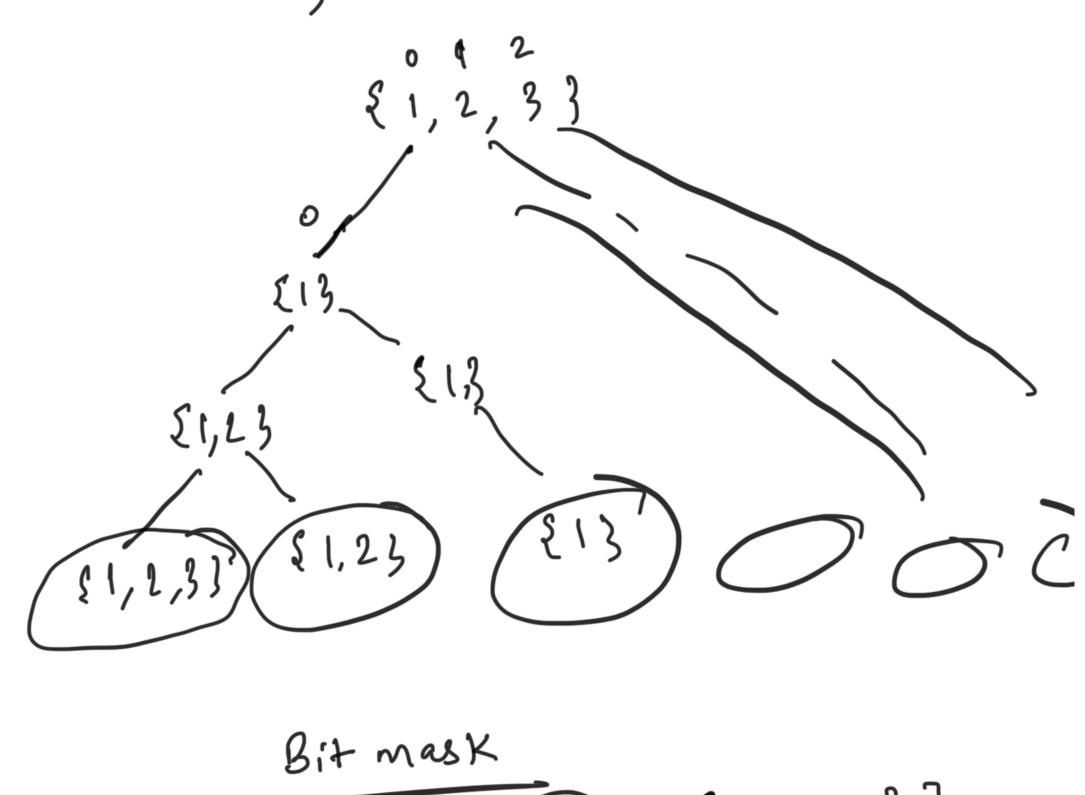
```
fm ( sut 2)
  if( 2<=0) return)
   fun (n-1);
main()
     fm(5):
```

main -> fun(s) -> fun(4) -> fun(3) -> fun(2) 0,1,1,2,3,5,8,13,21,34,fi bo Sea wases 3, 5, 8

int tibo(int n) if (n = = 1) return 0 if (n = = 2) retur 1 return fibo(n-1) + fibo(n-2)n = 54: bo (5) 4160(4)

£.

b+ (i);
b+(i+1);
temp. add (arrsi)
b+ (i+1)
temp. remove ()



Bit mask 0 000 — [13] 1 001 — [33] 3 Ч 3 trom for (izo; i < 2ⁿ; i ++)

