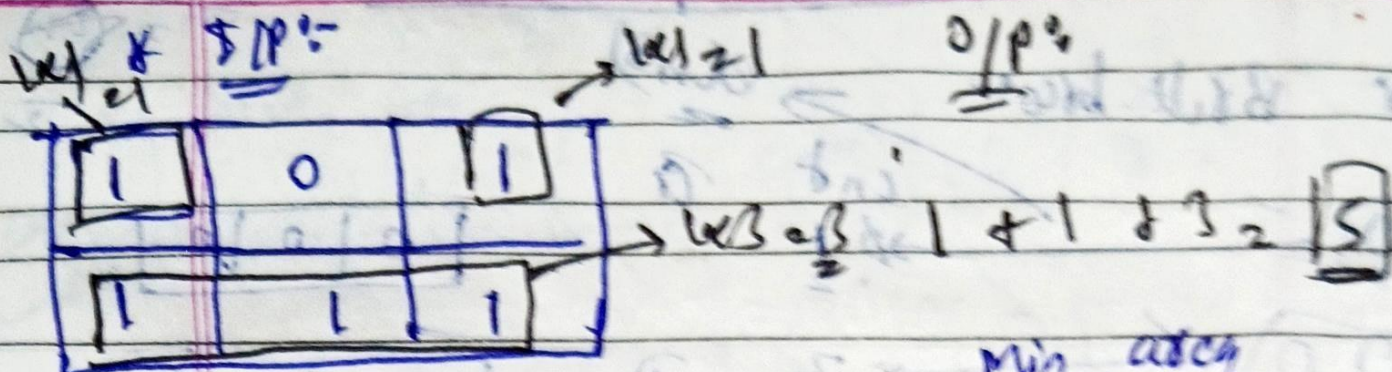
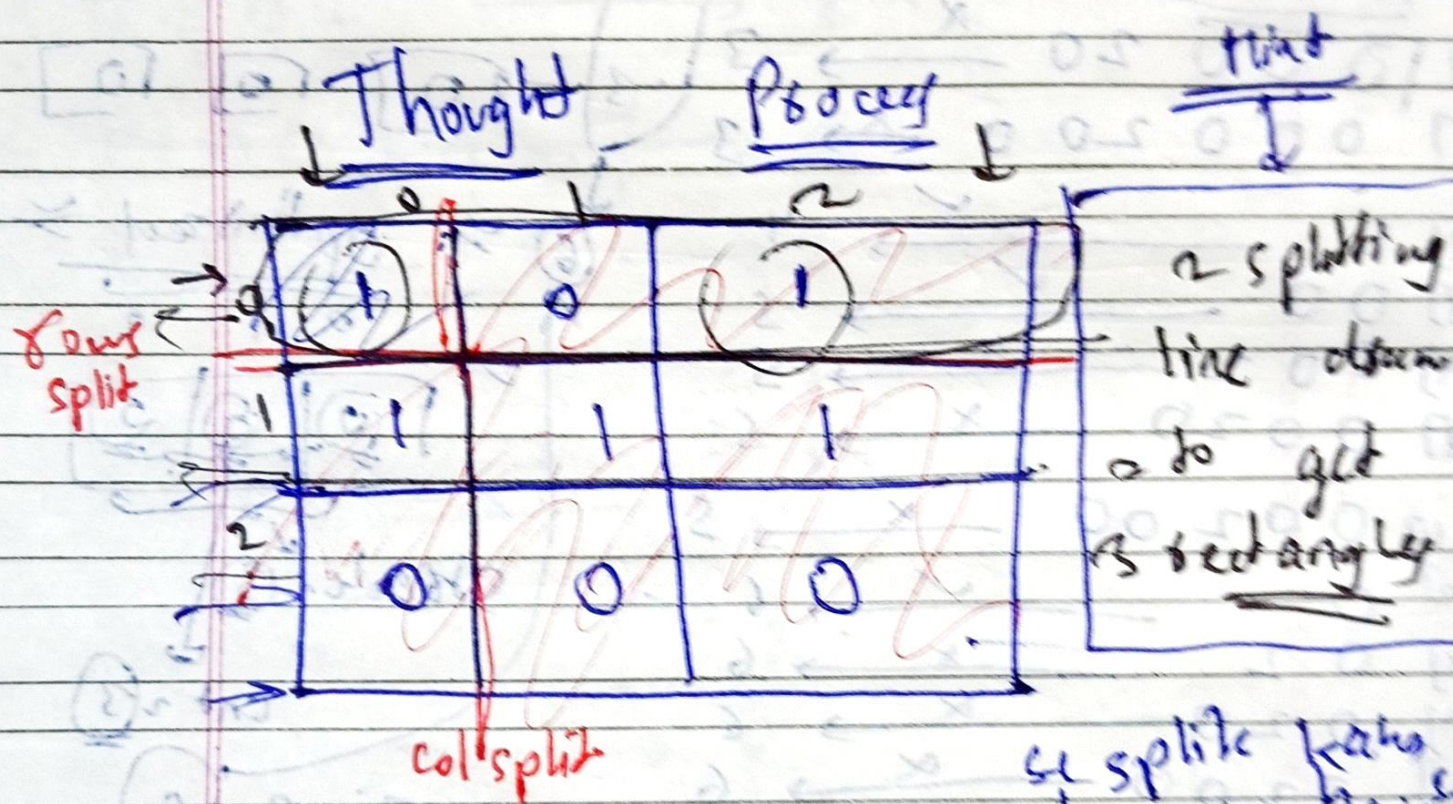


Find the min. area to cover
 all ones II

Famous
 Page No.:
 Date:



or possible way



grid

$s-t = 0$;
 $e-t = 1$; \rightarrow split line
 $s-c = 0$;
 $e-c = 2$

split line

split kaha kaha kaha

past \rightarrow grid 2 min. area containing only 1s

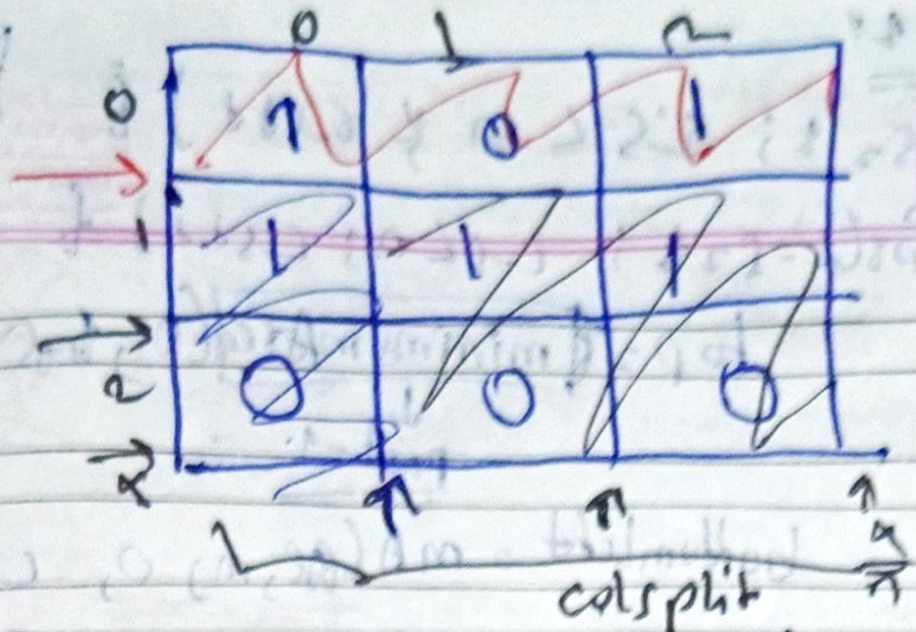
Possibilities

Page No. _____

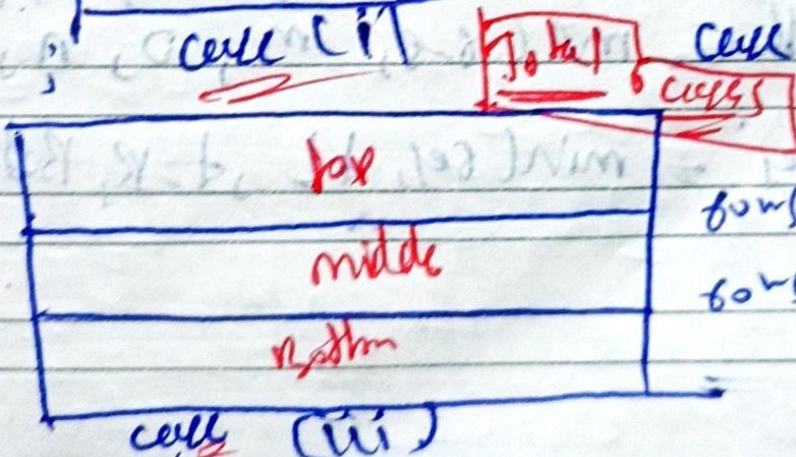
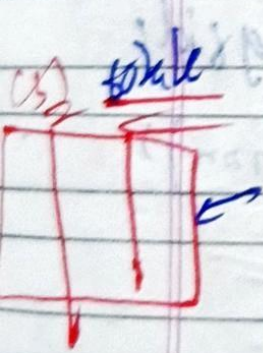
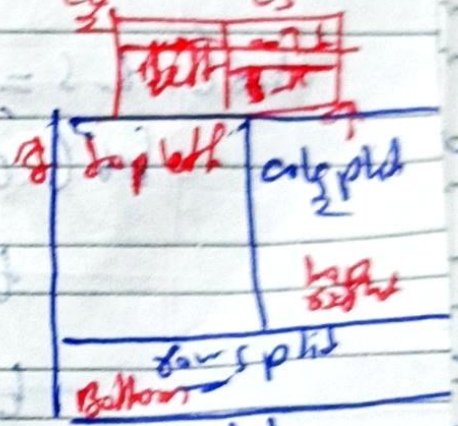
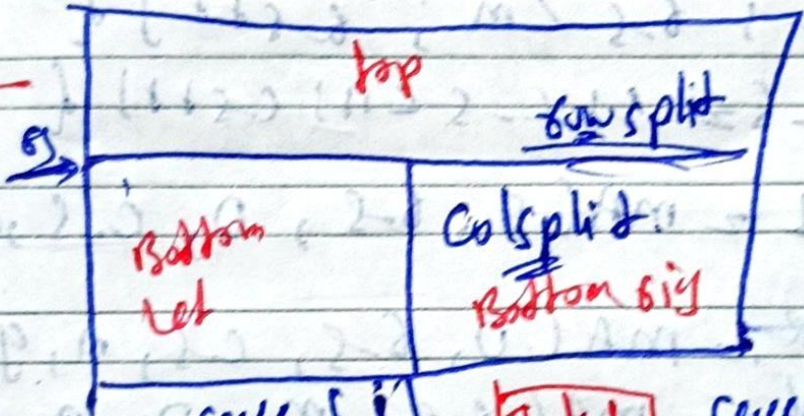
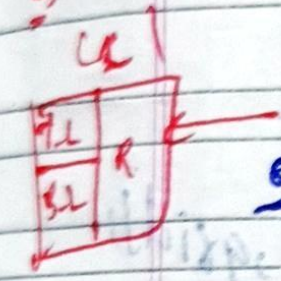
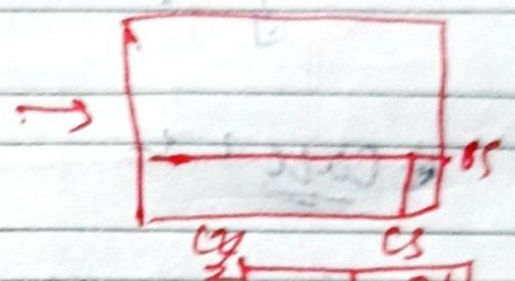
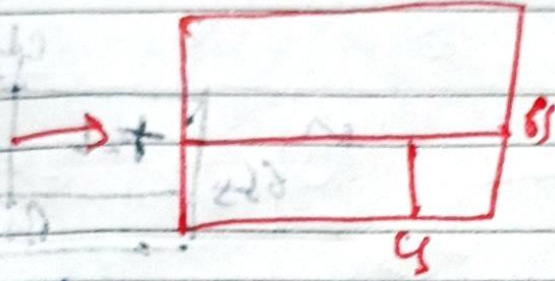
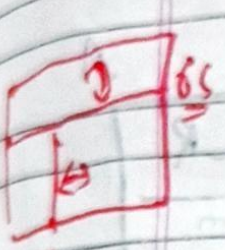
Date _____

row split = 1
col split = 1

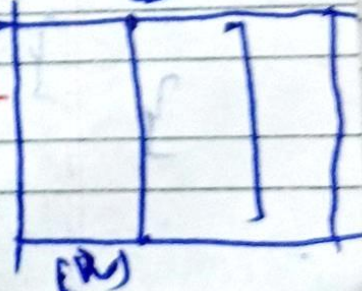
row split = 2
col split = 2



for (row split = 1; row split < m; row split++) {
for (col split = 1; col split < n; col split++) {



row split = 2
col split = 2



Case 1

$bs(0-s=1; 0 \leq m \leq 0-s+1)$

$bb(c-s=1; c \leq n; c-s+1)$

$top = \text{minimumArea}(0, 0-s, 0, n, grid)$

\downarrow
prev-1

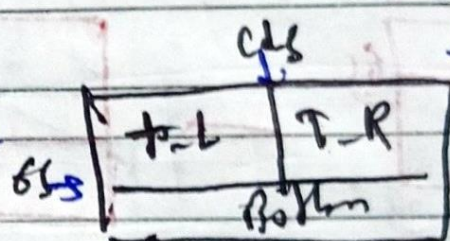
$bottomLeft = MA(0, m, 0, c-s, grid)$

$b-s = MA(0, m, c, n, grid)$

$bes = \min(bes, top, bottomLeft, bottom)$

}

Case 2



$bs(0-s=1; 0 \leq m \leq 0-s+1)$

$bb(c-s=1; c \leq n; c-s+1)$

$tL = MA(0, 0-s, 0, c-s, grid)$

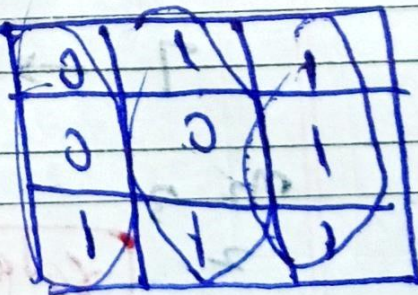
$tR = MA(0, 0-s, c, n, grid)$

$Bottom = MA(0-s, m, 0, n, grid)$

$bes = \min(bes, tL, tR, Bottom)$

}

Date: _____



- ① call-1 & call-2 → for loop
- ② call-3 → for loop
- ③ take grid (clockwise)
- ④ step ① & ②

2 Split 3 seed Angly

(n) Rotation

| | | | |
|---|---|---|---|
| | 0 | 1 | 2 |
| 0 | 1 | 2 | 3 |
| 1 | 4 | 5 | 6 |
| 2 | 7 | 8 | 9 |

| | | | |
|---|---|---|---|
| | 0 | 1 | 2 |
| 0 | 4 | 1 | |
| 1 | 5 | 2 | |
| 2 | 6 | 3 | |

$i \rightarrow [0][0]$
 $4 \rightarrow [1][0]$
 $7 \rightarrow [2][0]$
 $9 \rightarrow [2][1]$

$j \rightarrow [0][1]$
 $5 \rightarrow [1][1]$
 $6 \rightarrow [2][1]$
 $3 \rightarrow [2][2]$

$m_2 = 3$
 $n_2 = 3$
 $m-1 = 2$

rotated = $[j][m-1-i]$ 2 grid