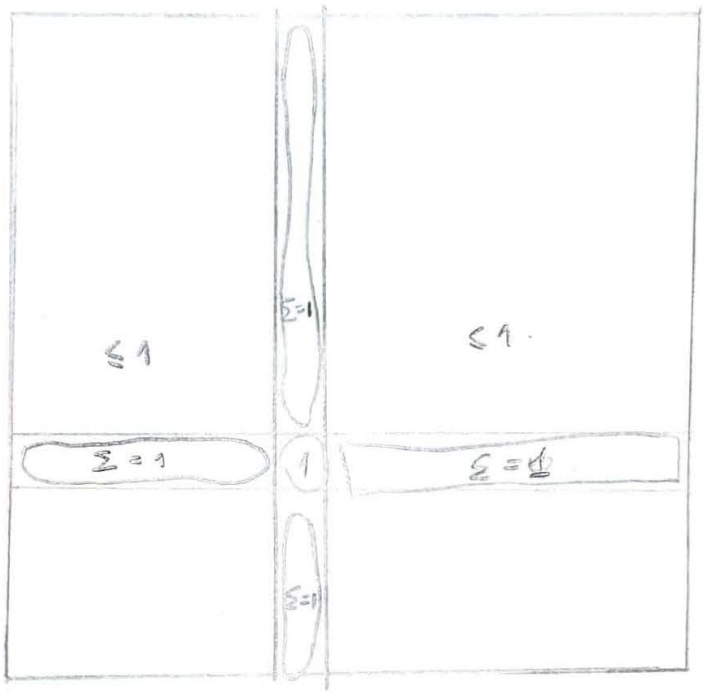
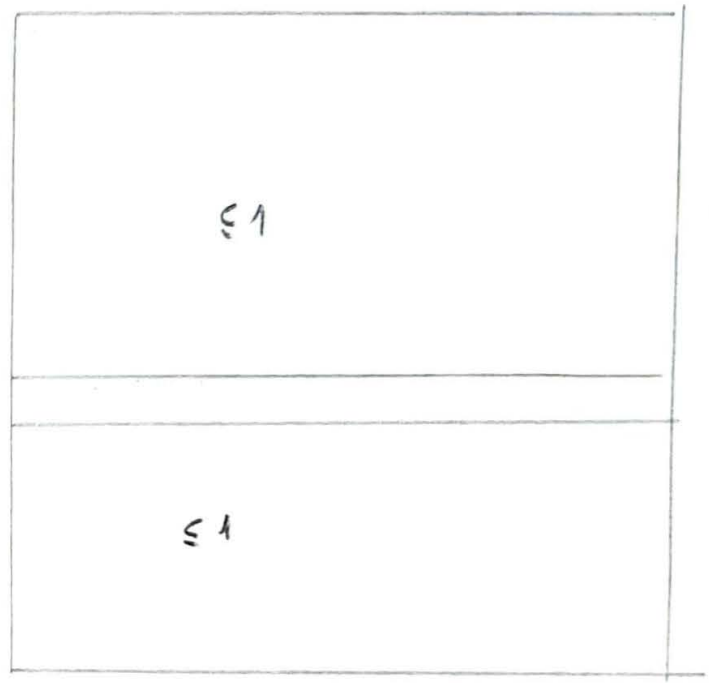
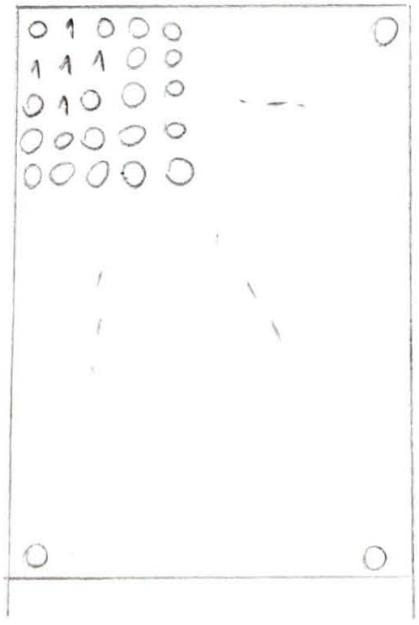




5 is obtainable!



5 is maximum!

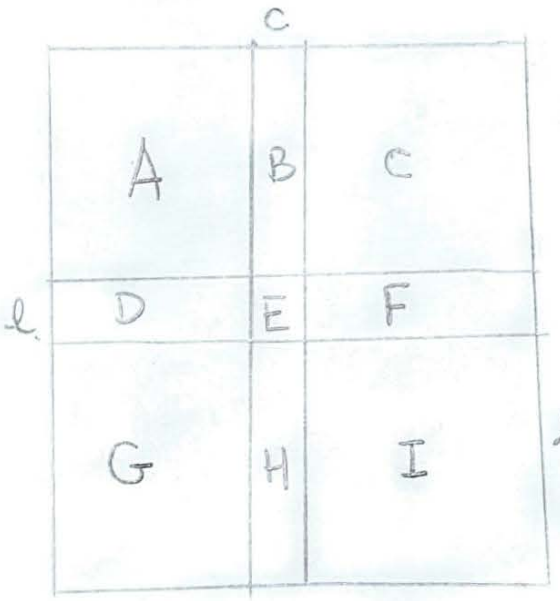
There exists column c such that (*)

$\sum$ (columns greater than c) ≤ 1

and

$\sum$ (columns smaller than c) ≤ 1.

There exists line ℓ with similar property



$A+B+C \leq 1$

$A+D+G \leq 1$

$G+H+I \leq 1$

$C+F+I \leq 1$

$E \leq 1$

④

$2A+2C+2G+2I+B+D+H+F+E \leq 5$

$A+C+G+I+\Sigma \leq 5$

$\Downarrow$

$\boxed{\Sigma \leq 5}$

Thus, the answer is 5!