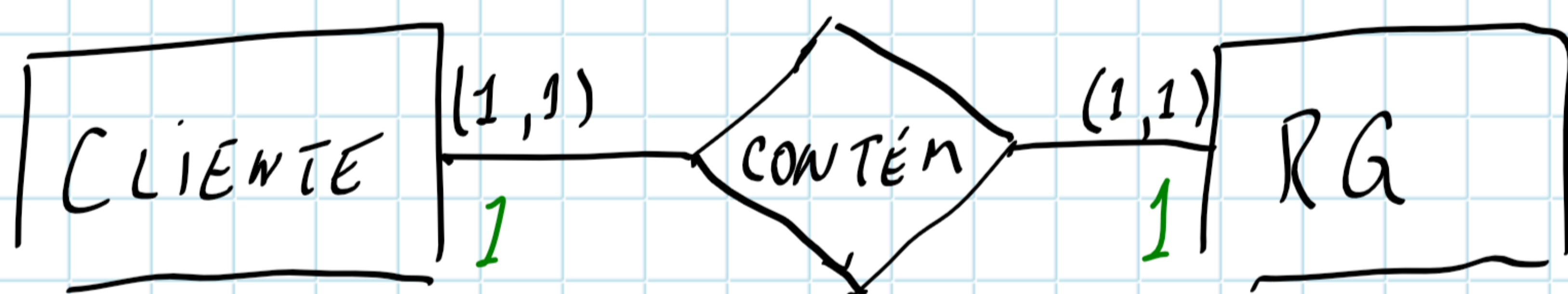


# CARDINALIDADE

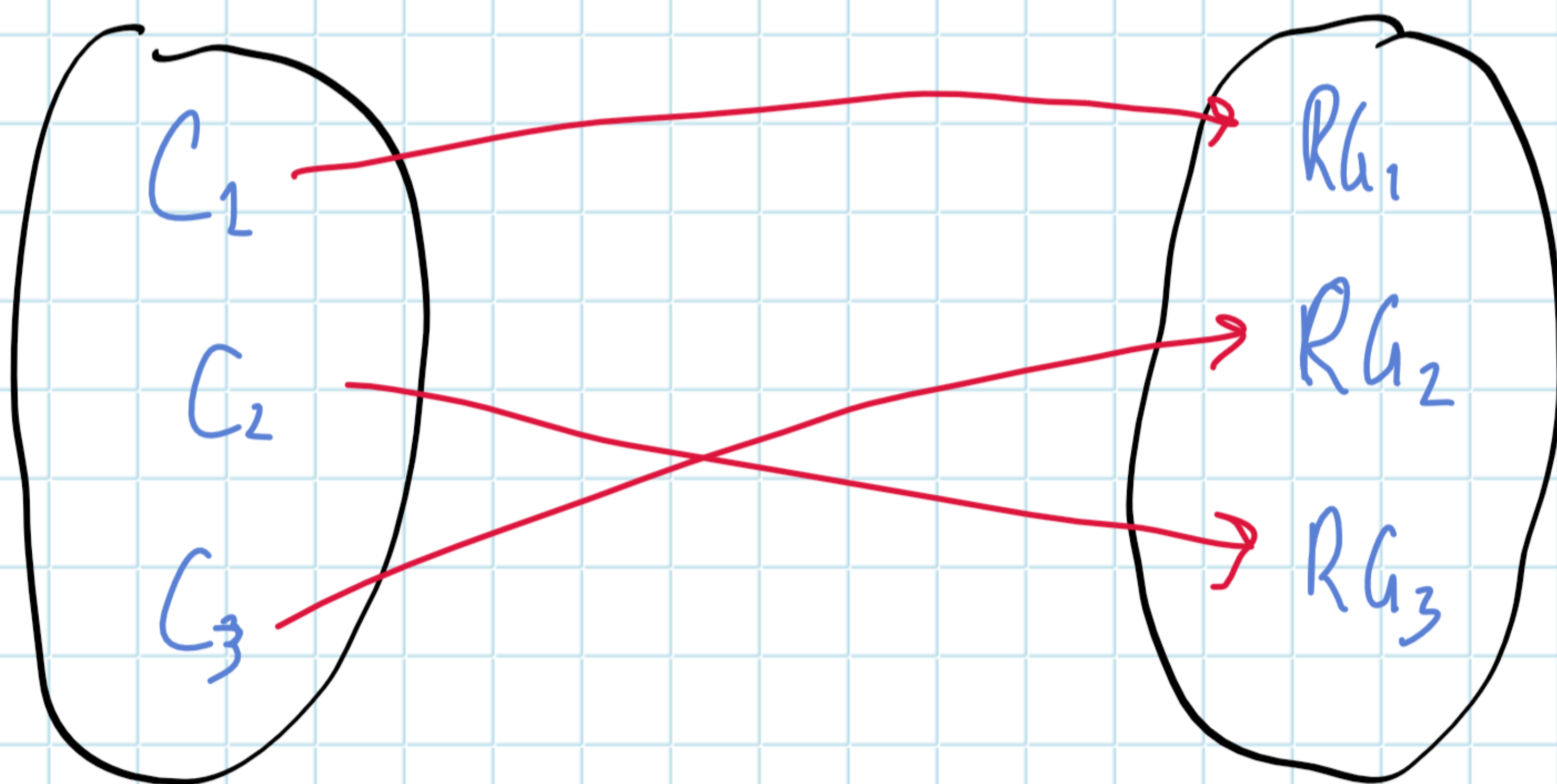
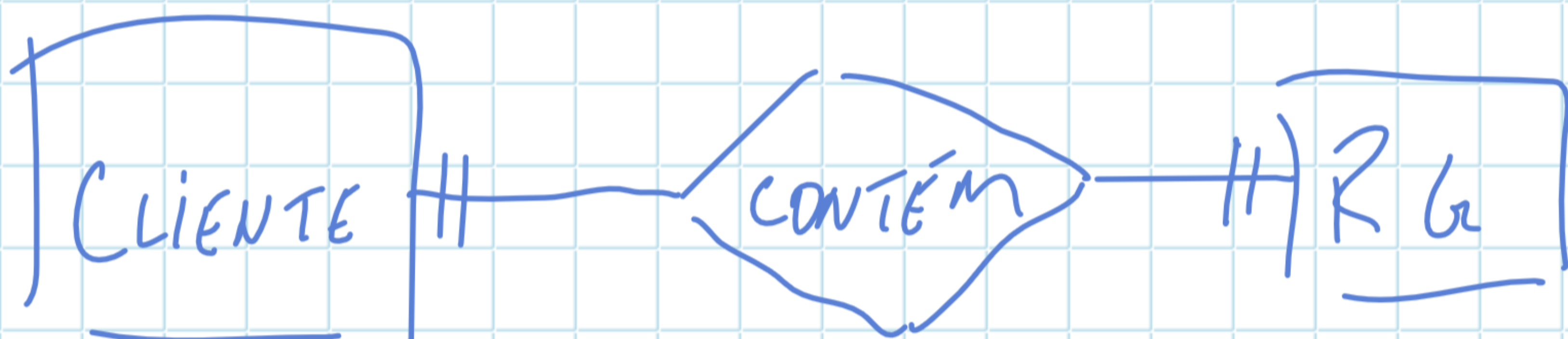
PARZINHO  $\rightarrow$  (mín, máx)

1:1 "Um para Um"



"Um cliente contém no mínimo 1 RG"  
no máximo 1 RG"

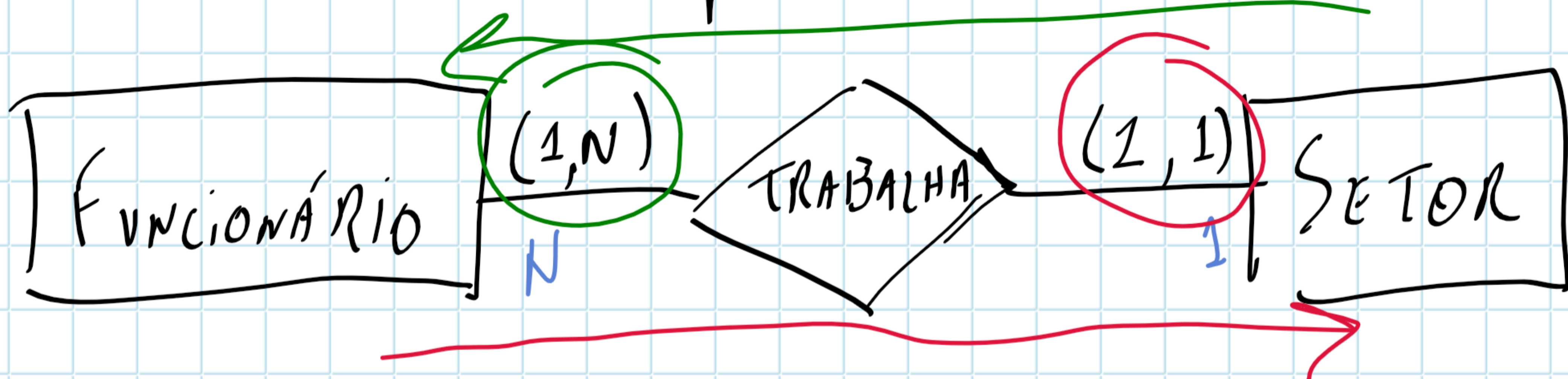
"Um RG pertence a no mínimo 1 CLIENTE"  
no máximo 1 CLIENTE"





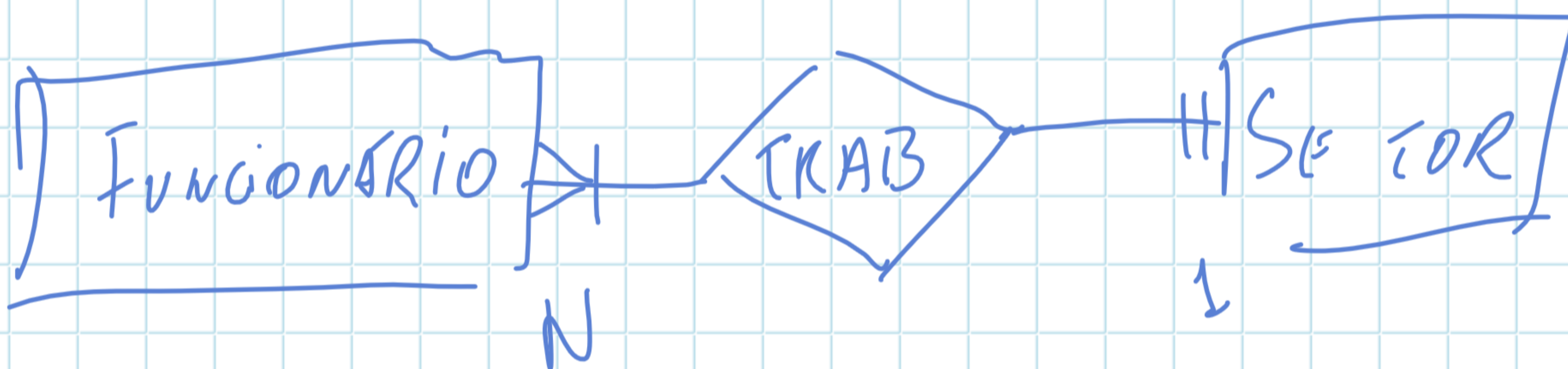
1: N

"Um para muitos"



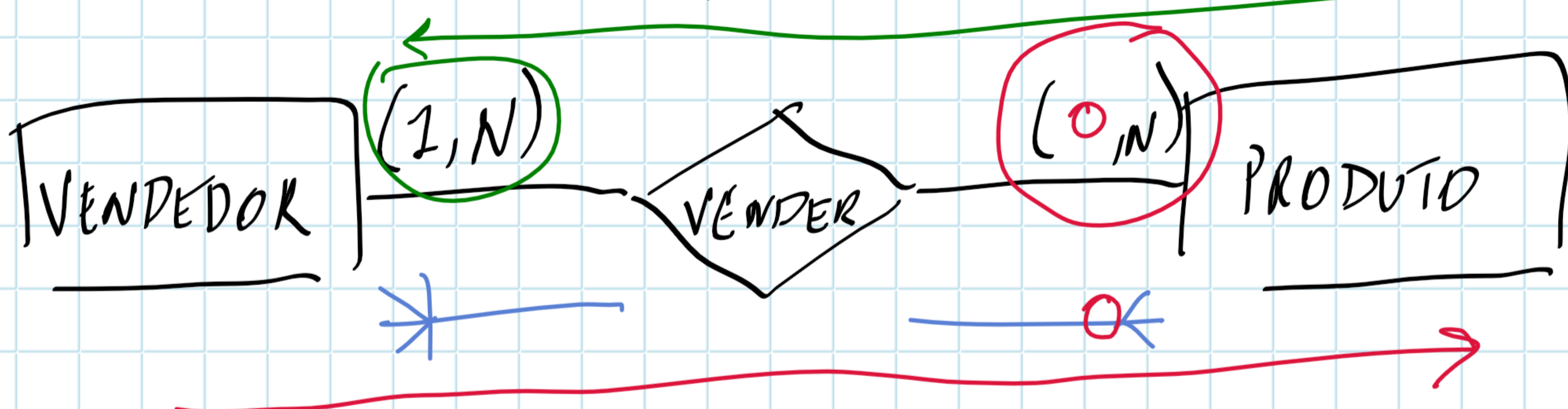
✱ "Um funcionário trabalha em no min 1 setor"  
no max 1 setor"

✱ "Num setor trabalham no min 1 funcionários"  
no max N funcionários"





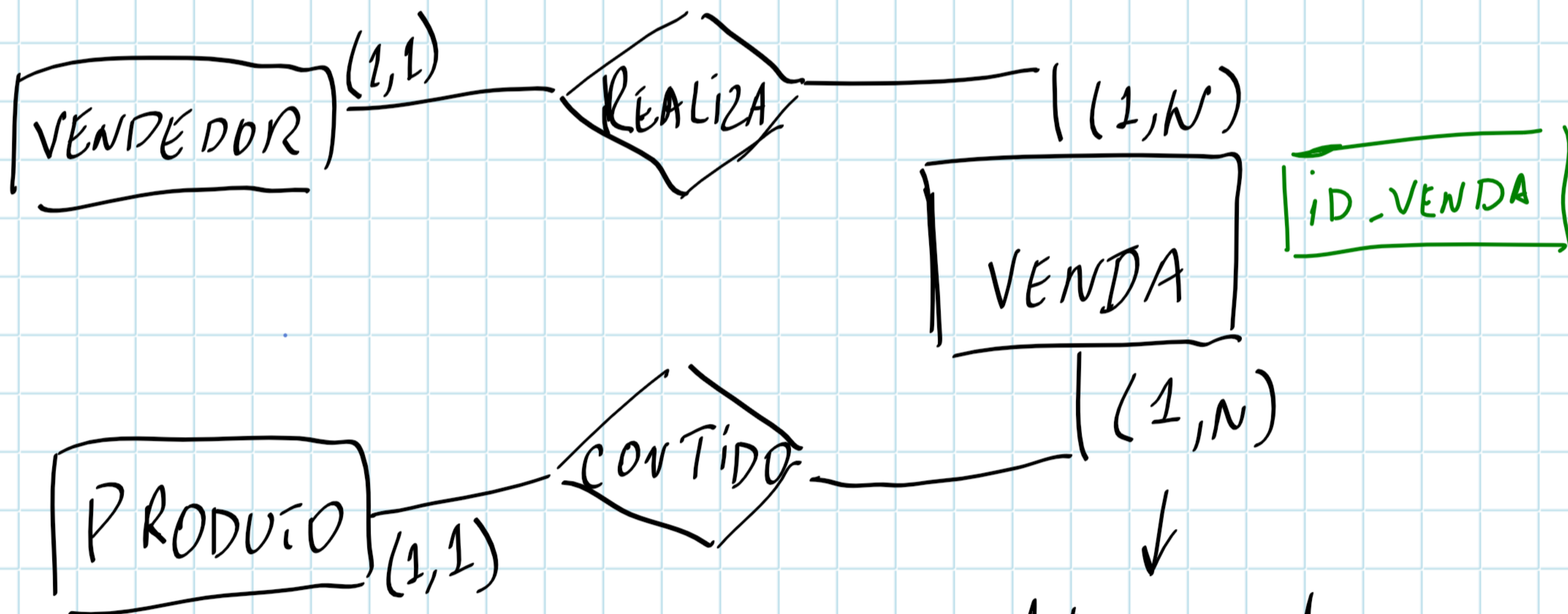
N:M "Muitos para muitos"



★ "Um vendedor vende no min 0 produto"  
no max N produtos"

"Um produto é vendido por no min 1 vendedor"  
no max N vendedores"

Para implementar, criamos uma nova entidade



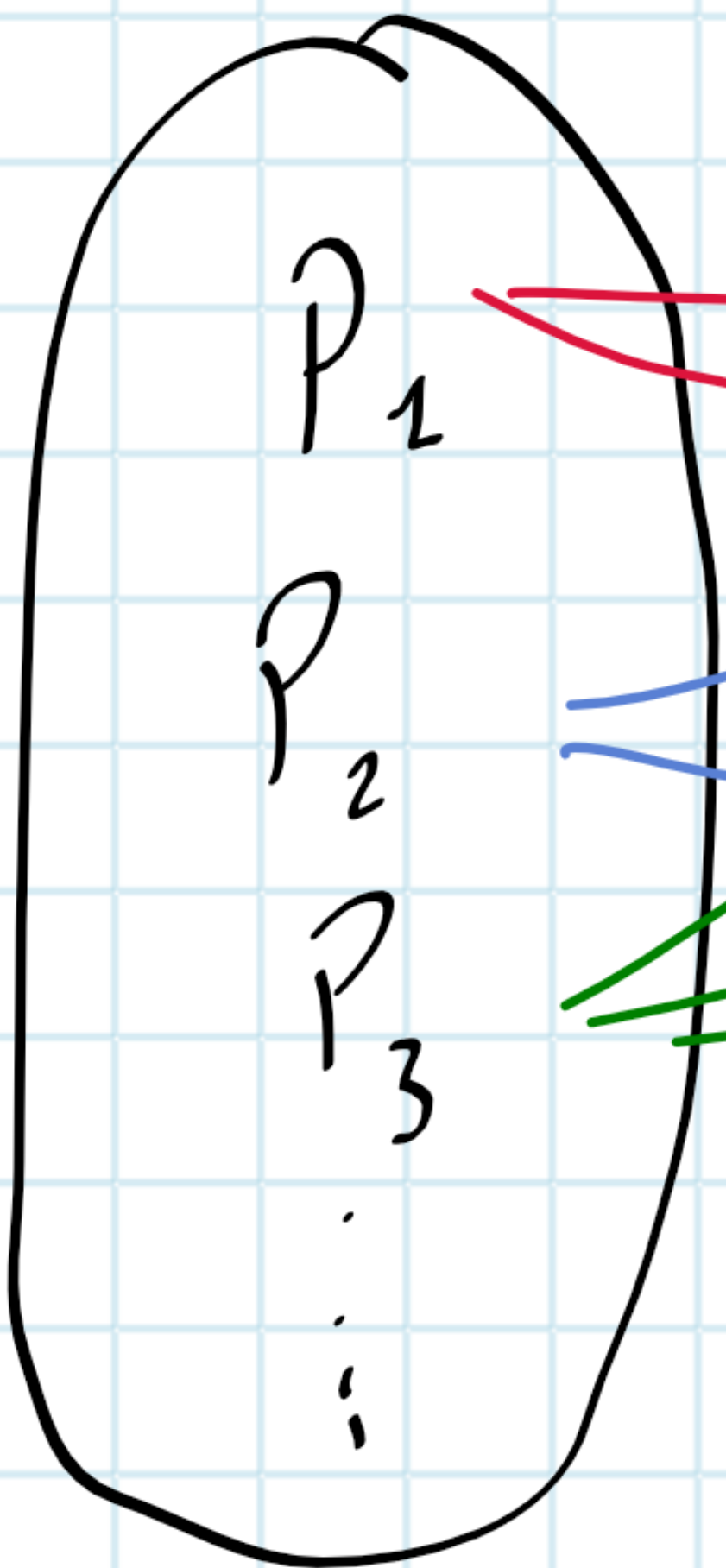
Note que pode ser  
(0, N)

"Produto consta em no min 0 vendas"  
no máx N vendas"



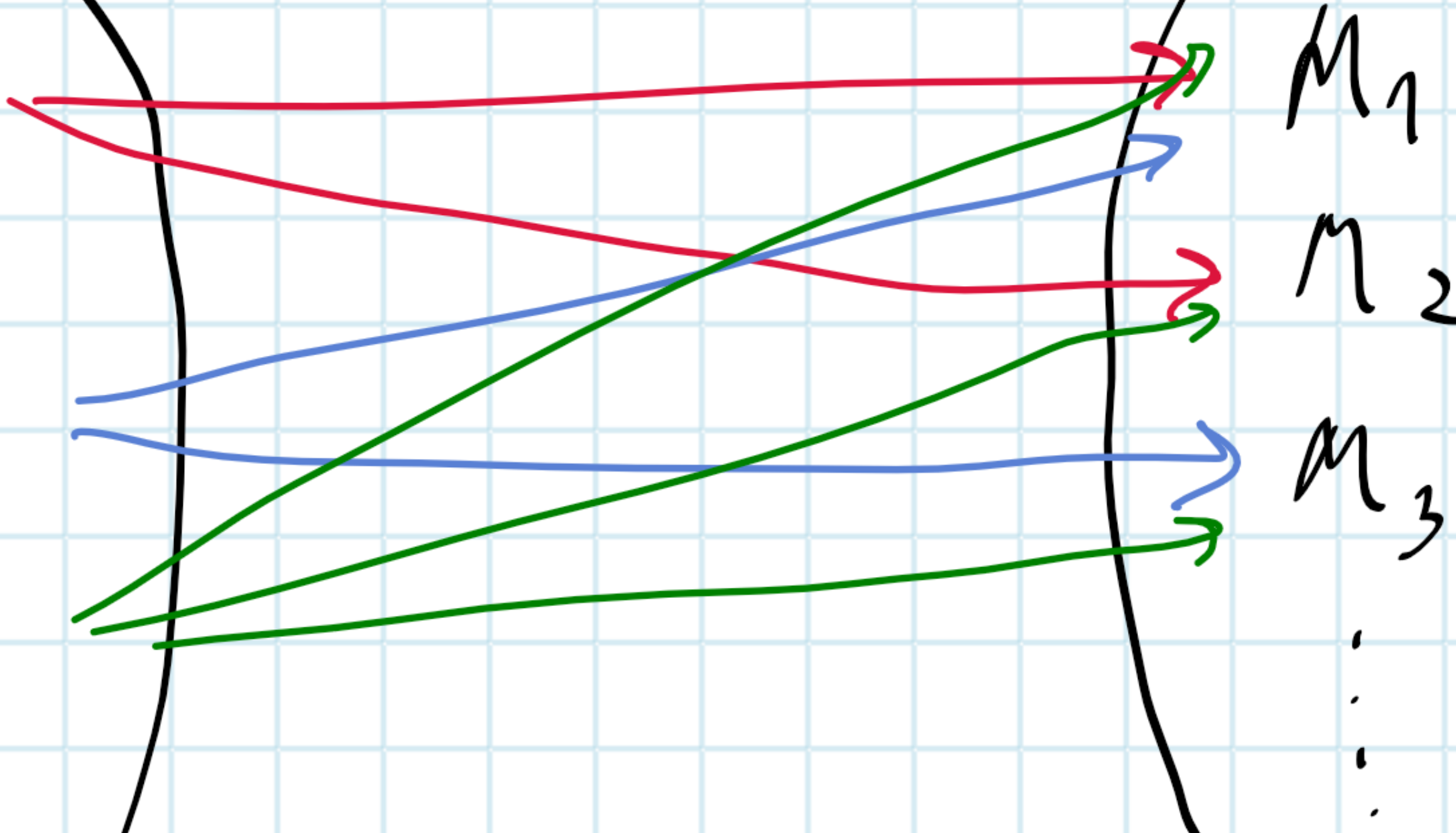
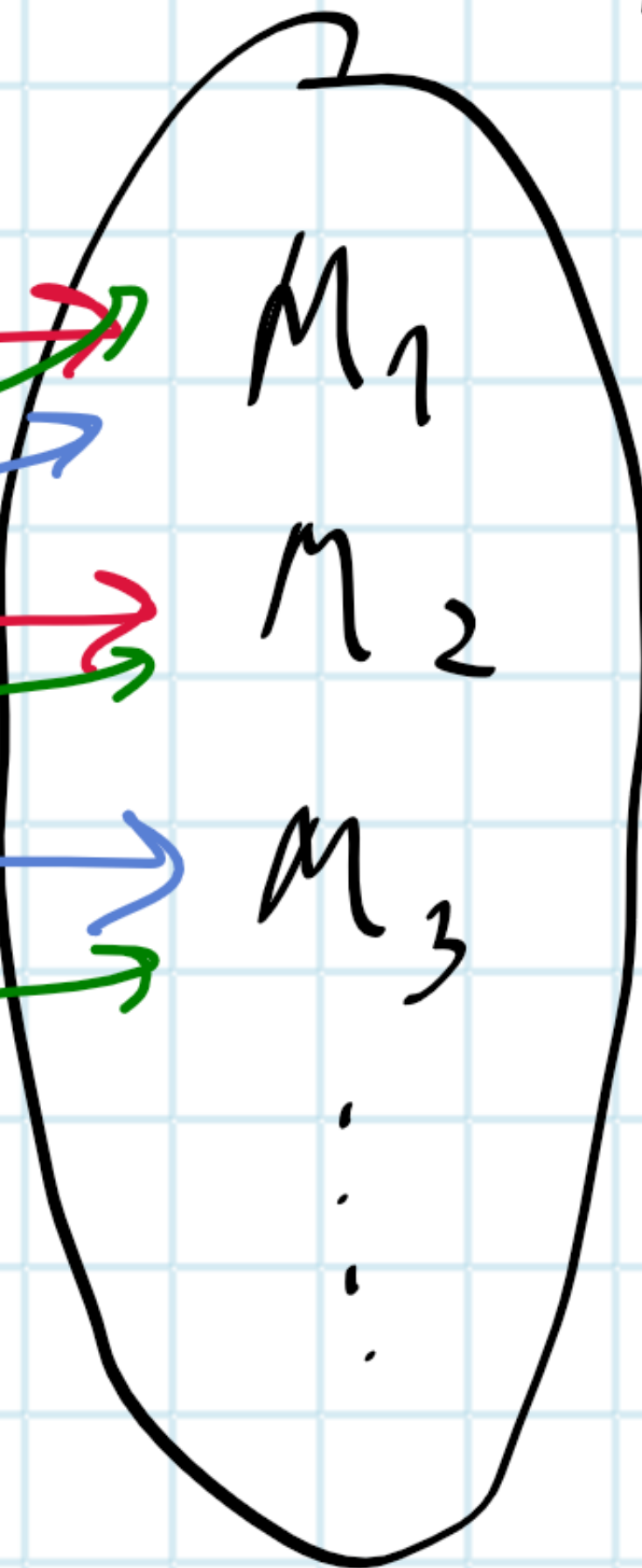
PROF.

$N$



MAT.

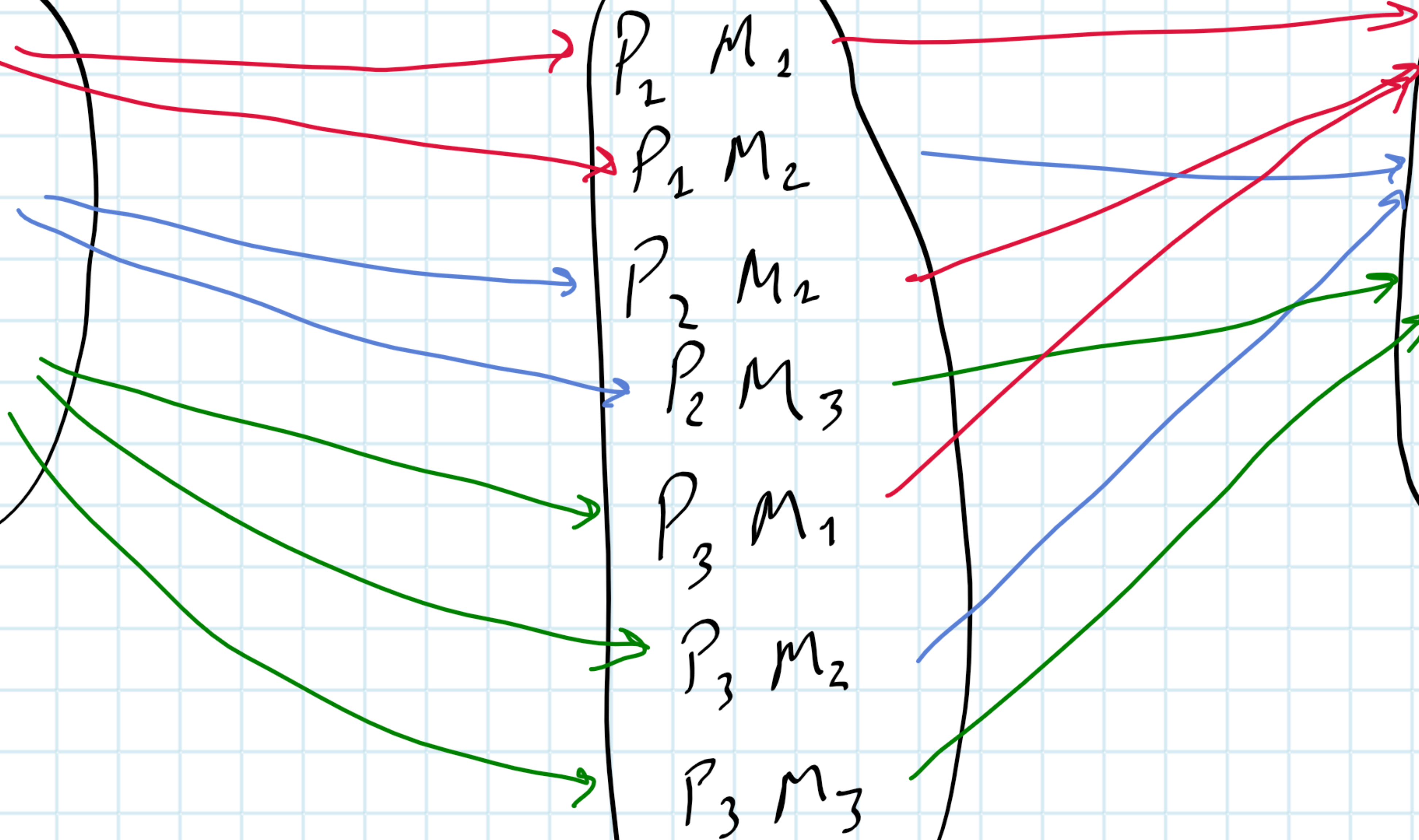
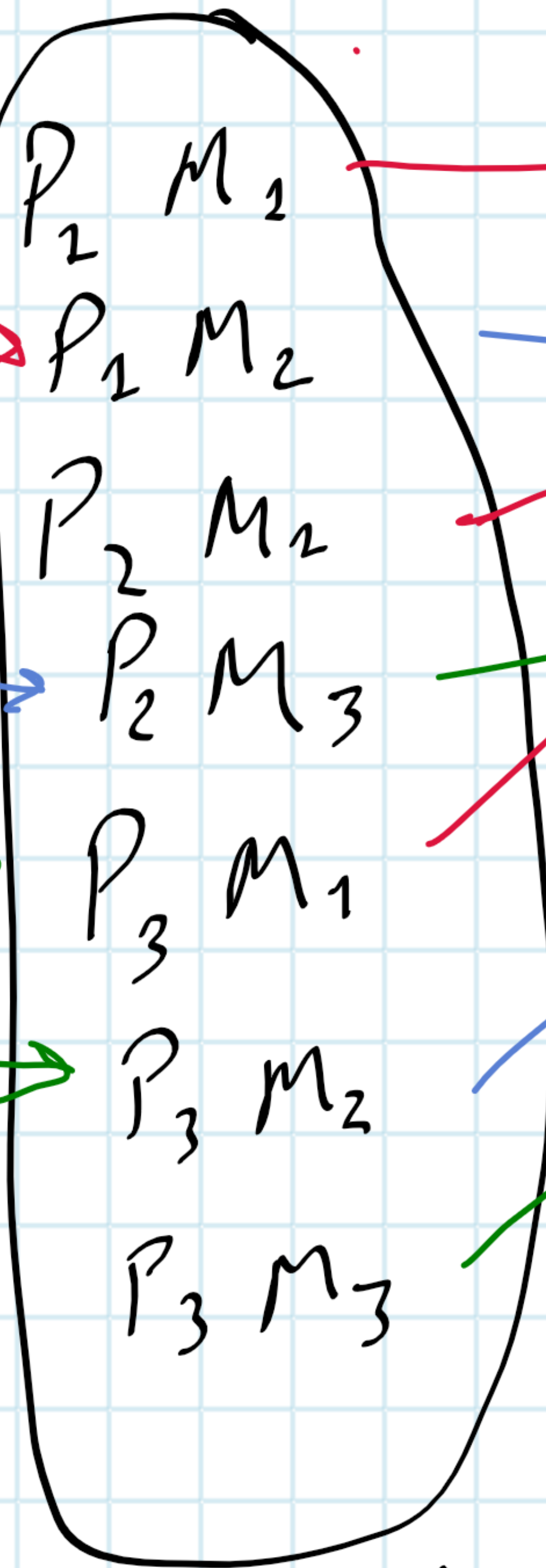
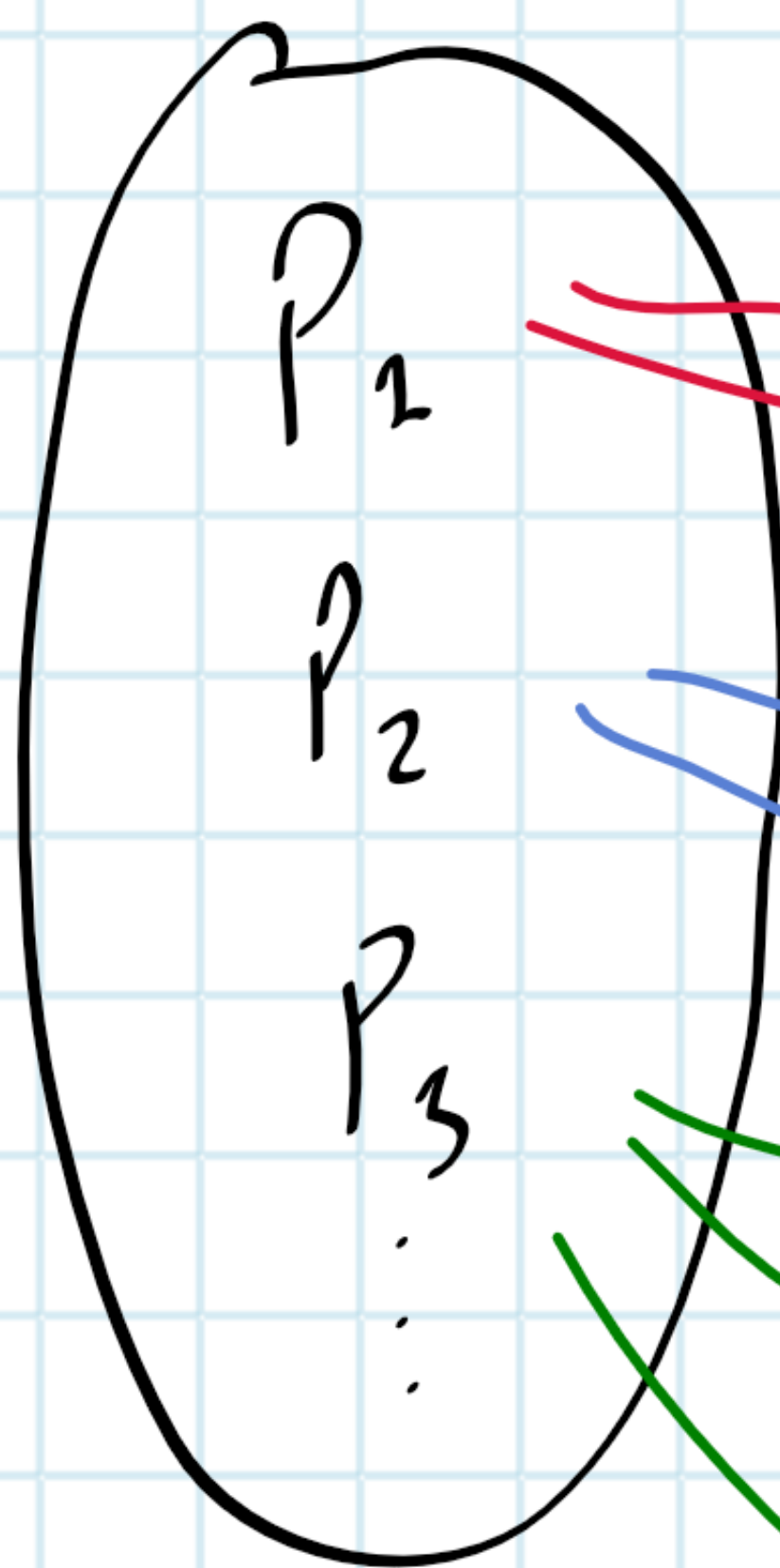
$N$



PROF

REL.

MAT.



$(1, N)$

$(1, N)$

