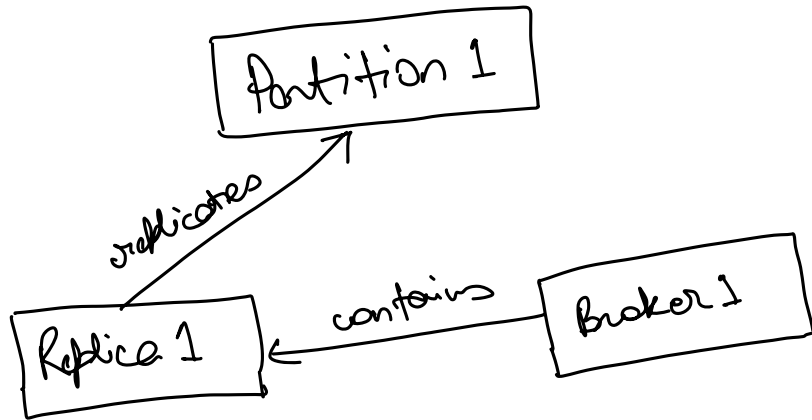
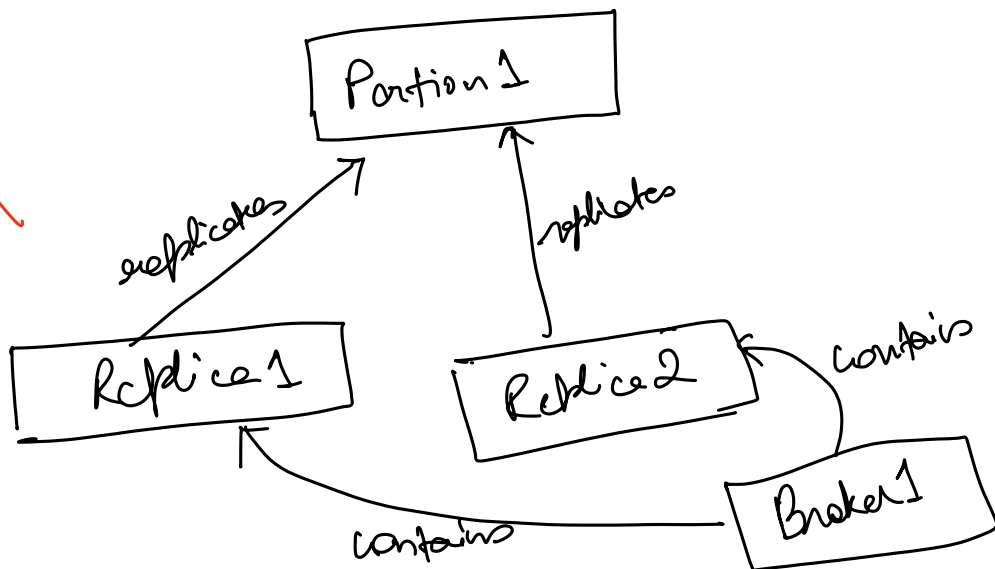


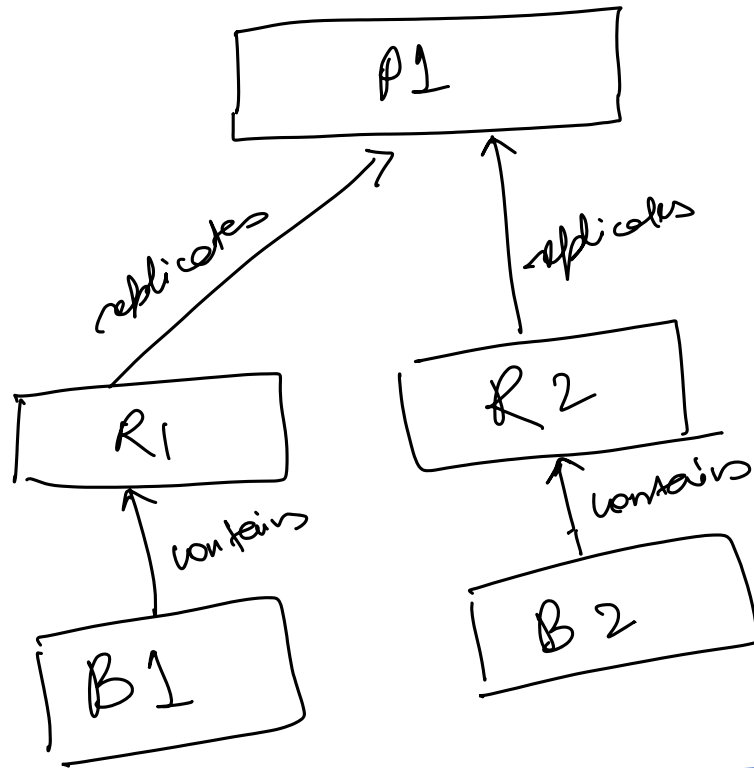
①



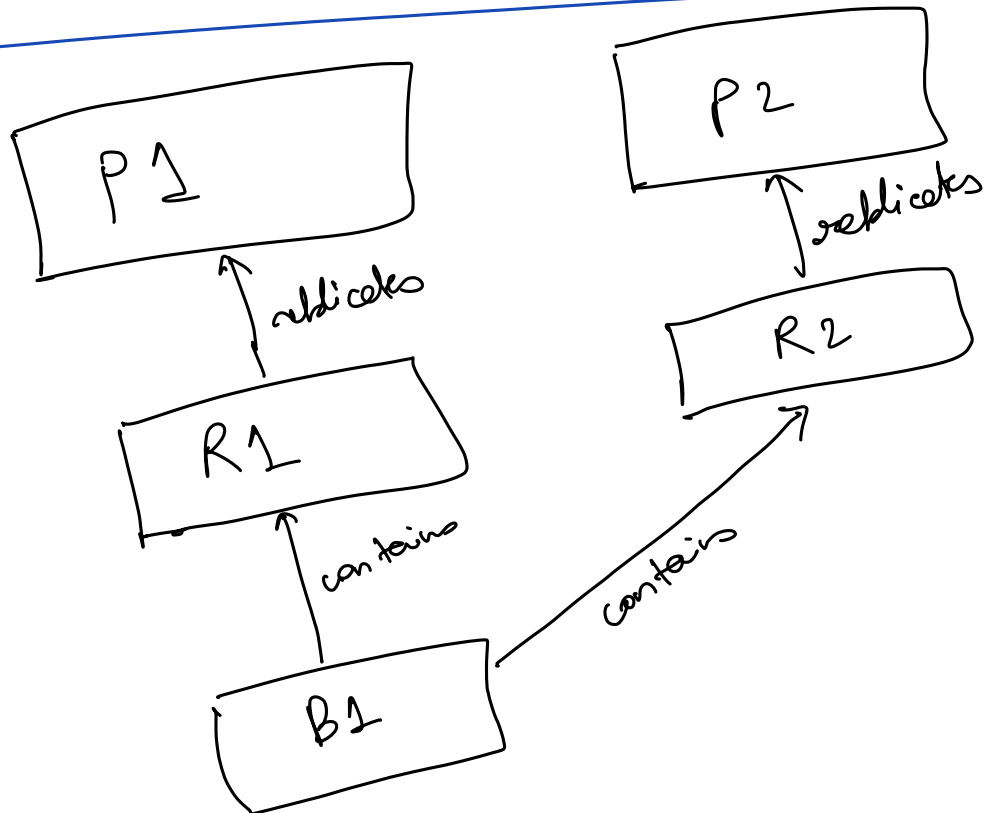
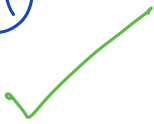
②




③




④




Formally:

①  some $p1$, some $b1$
such that:

$\text{replicates}.p1 = b1.\text{contains}$
 $\# \text{ replicates}.p1 = 1$

②  some $p1$, some $b1$
such that

$\text{replicates}.p1 = b1.\text{contains}$
and $\# \text{ replicates}.p1 = 2$

③  some $p1$; some $b1$
such that:

$b1.\text{contains}$ subset of $\text{replicates}.p1$
 $\# \text{ replicates}.p1 = 2$

④



some $p1$; some $b1$

such that

$\text{replicates} \cdot p1 = b1 \cdot \text{contains}$

$\# \text{ replicates} \cdot p1 = 1$

