

# Bonus\_3

Grabbing 5 balls guarantees **one(1)** is red.

Grabbing 10 balls gurantee red and blue appear.

You can grab 4 balls and non of them are red. But as soon as you grab the 5<sup>th</sup> you're guaranteed to get a red.

This means there are max 4 blue balls.

If we have to grab 4 blue balls before getting a **GUARANTEED** red it means that we only have 4 blues.

If we now need to grab **10** balls for both colors to appear it means we have 9 red balls.



**The box contains a total of:  $4 + 9 = 13$  balls**