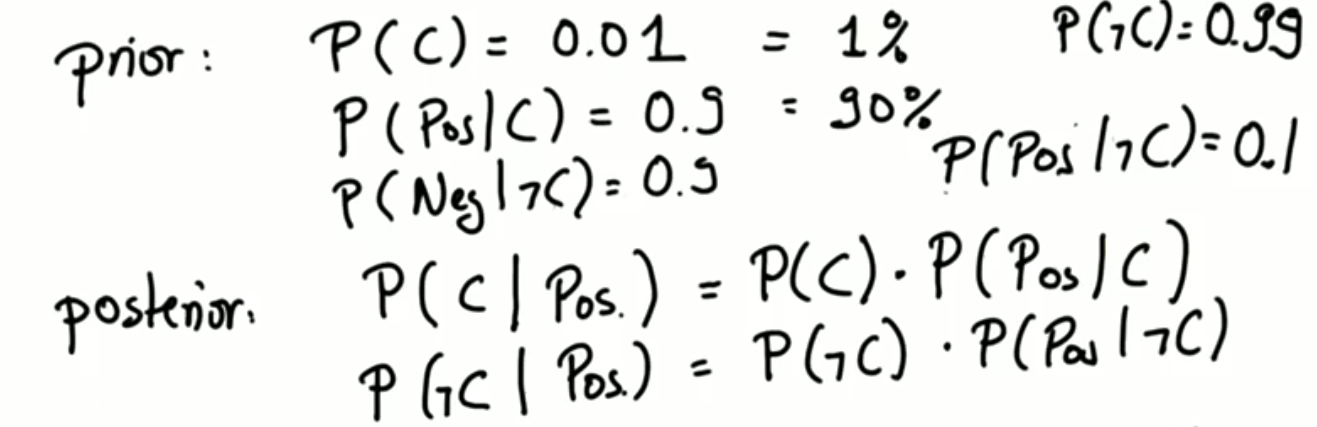
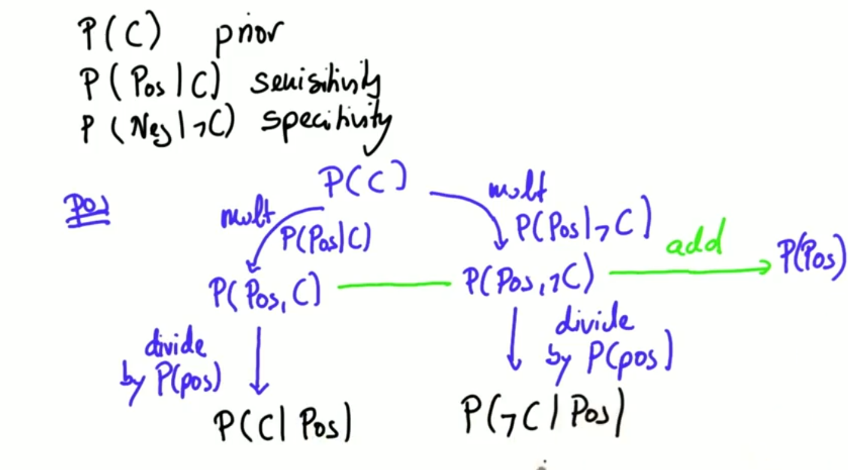
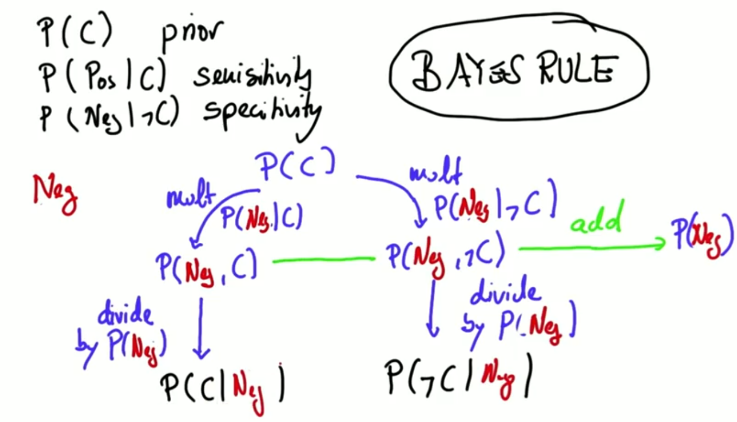
**Bayes Rule**

prior probability \* test evidence => posterior probability

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Bayer rule diagram

Positive Negative

**Summary of Bayer rule**

There is 3 terms that Bayer’s rule relies on:

Prior probability:

It is the probability of an event before performing the test.

Posterior probability:

It is the updated version of prior probability after applying Bayer’s rule.

And the last thing is test evidence.

