1. A and B are the two suspects of a murder. Since evidence against both of them is equal, so chances of being them guilty is equal, therefore,

Let X be the event where suspect’s blood is matching with the victim’s blood type.

Since match is certain if A is indeed a guilty where as since match of A is not dependent on the guilt of B

Therefore by Baye’s rule

1. Let C be the event that B’s blood type matches, and condition on whether B is guilty.

This gives