

# Decision Trees and bayes theorem II Arthur WEHBE

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```
P_B1 <- 0.5
P_B2 <- 0.5

P_red_given_B1 <- 2/10
P_red_given_B2 <- 7/10

P_B1_given_red <- (P_B1 * P_red_given_B1) / ((P_B1 * P_red_given_B1) + (P_B2 * P_red_given_B2))

cat("The probability of B1 given the disc is red is :", P_B1_given_red, "\n")

## The probability of B1 given the disc is red is : 0.2222222
```