

Assignment-4

EE22BTECH11012-A.Chhatrapati

Question 11.16.3.18) In a non-leap year, the probability of having 53 tuesdays or 53 wednesdays is

Solution: The number of days in a non-leap year can be expressed as

$$365days = 52 \times 7 + 1$$

Since the remaining day can be Tuesday or Wednesday.

The probability of that remaining day being Tuesday or Wednesday is $\frac{2}{7}$