

15-03-2019

2 scatole (A e B)

A → 14 Bianche 20 nere

B → 20 Bianche 16 nere

$$P(I, B) = 14/34$$

$$P(I, N) = 20/34$$

$$P(II B | I B) = 21/37$$

$$P(II B | I N) = 20/37$$

$$P(II B) = \cancel{21/37} \cdot \frac{21}{37} \cdot \frac{14}{34} + \frac{20}{37} \cdot \frac{20}{34} = \frac{347}{629}$$

$$P(I B | II B) = \frac{\frac{21}{37} \cdot \frac{14}{34}}{\frac{347}{629}} = \frac{147}{347}$$