#Jenny

Finally I get this ebook, thanks for all these I can get now!

#Rio

Cool! I'am really happy

#Markus Jensen

I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu

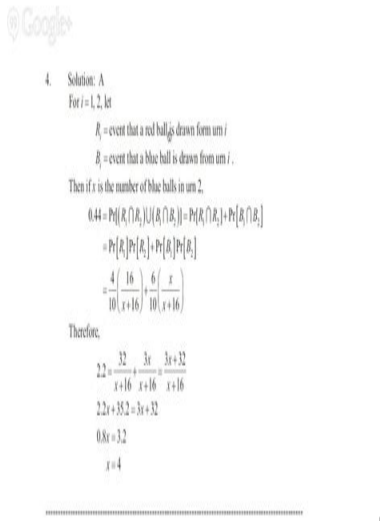
wtf this great ebook for free?!

#Che Salsa

My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler

so many fake sites. this is the first one which worked! Many thanks



4. Solution: A

For $i = 1, 2$, let

R_i = event that a red ball is drawn form urn i

B_i = event that a blue ball is drawn from urn i.

Then if x is the number of blue balls in urn 2,

$$0.44 = \Pr[(R_1 \cap B_2) \cup (B_1 \cap B_2)] = \Pr[R_1 \cap B_2] + \Pr[B_1 \cap B_2]$$

$$= \Pr[R_1]\Pr[B_2] + \Pr[B_1]\Pr[B_2]$$

$$= \frac{4}{10}\left(\frac{16}{x+16}\right) + \frac{6}{10}\left(\frac{x}{x+16}\right)$$

Therefore,

$$2.2 = \frac{32}{x+16} + \frac{3x}{x+16} = \frac{3x+32}{x+16}$$

$$2.2x + 35.2 = 3x + 32$$

$$0.8x = 3.2$$

$$x = 4$$

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