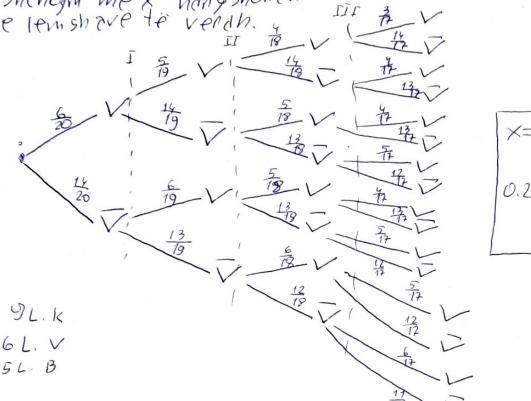
## D. 5h

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The nje kuti ka 9 lemsha të kuq, 6 lemsha të verdh dhe 5 lemsha të bardh. Hese nga kutia terhiqen 4 lemsha nadhazi pa mos u kthyer në kuti. shenojm me x ndnyshonen e sastit që ka si vlera paraqitlen e lemshave të verdh.



 $P(x=0) = V.V.V.V = \frac{14}{20}, \frac{13}{19}, \frac{13}{17} = \frac{26208}{116280} = 0.23$ 

$$P(\chi=1) = V.V.V.V+V.V.V.V+V.V.V+V.V.V = \frac{6}{20}, \frac{14}{19}, \frac{13}{19}, \frac{14}{17} + \frac{14}{20}, \frac{6}{19}, \frac{13}{18}, \frac{12}{17} + \frac{14}{20}, \frac{13}{19}, \frac{14}{18}, \frac{12}{17} + \frac{14}{20}, \frac{13}{19}, \frac{14}{18}, \frac{12}{17} + \frac{14}{20}, \frac{13}{19}, \frac{14}{18}, \frac{12}{19} + \frac{14}{20}, \frac{13}{19}, \frac{14}{19}, \frac{14}{19},$$

$$P(x=2) = V \cdot V \cdot \overline{V} \cdot V + V \cdot \overline{V} \cdot V \cdot \overline{V} \cdot V \cdot V \cdot V + \overline{V} \cdot V \cdot V \cdot V \cdot V + \overline{V} \cdot V \cdot V \cdot V \cdot V + \overline{V} \cdot V \cdot V \cdot V + \overline{V} \cdot V \cdot V \cdot V + \overline{V} \cdot V \cdot V \cdot V = \frac{8.5460}{116280} = \frac{32360}{116280} = 0.28$$

 $P(x=4) = V.V.V.V = \frac{360}{116280} = 0.003$ 

E(x) = 0.0.22+1.0.45+2.0.28+3.0.06+4.0.003 = 0+0.45+0.56+0.18+0.012 = 1.202

 $E(x^2) = 0^2, 0.22 + 1^2, 0.45 + 2^2, 0.28 + 3^2, 0.06 + 4^2, 0.03 = 0 + 0.45 + 1.12 + 0.54 + 0.048 = 2.16$ 

 $D(x) = 2.16 - (1.202)^2 = 2.16 - 1.44 = 0.72/$ 

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