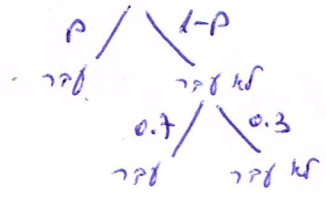


1
(1353)

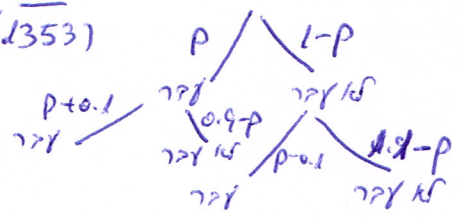


1) $0.18 = (1-p) \cdot 0.3 = 0.3 - 0.3p$

$p = 0.4$

2) $p(\text{התקנה}) = (1-p) \cdot 0.7 = 0.6 \cdot 0.7 = 0.42$

2
(1353)



1) $0.22 = p(\text{התקנה}) + p(\text{התקנה}) = p(0.9-p) + (1-p)(p-0.1) = -2p^2 + 2p - 0.1$

$p = 0.14$

$p = 0.8$

2) $p(\text{התקנה}) = p(p+0.1) = 0.8 \cdot 0.9 = 0.72$

3
(1353)

1) $0.36 = (1-p)(p+0.3) = -p^2 + 0.7p + 0.3 \rightarrow p = 0.6$
 $p = 0.1$

2) $p(\text{התקנה}) = 1 - p(\text{התקנה}) = \begin{cases} p=0.6 \rightarrow 1 - (1-p)(1-(p+0.3)) = 1 - (1-p)(0.7-p) = 0.46 \\ p=0.1 \rightarrow 1 - (1-p)(0.7-p) = 1 - (0.9) \cdot (0.6) = 0.46 \end{cases}$

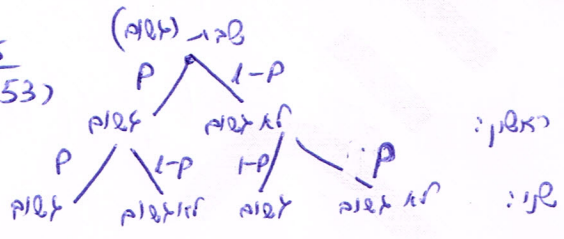
4
(1353)

1) $0.17 = p(\text{התקנה}) + p(\text{התקנה}) + p(\text{התקנה}) = 0.6 \cdot 0.2(1-p) + 0.4 \cdot 0.8(1-p) + 0.4 \cdot 0.2p =$

$0.17 = 0.12 - 0.12p + 0.32 - 0.32p + 0.08p = 0.44 - 0.36p \rightarrow p = 3/4$

2) $p(\text{התקנה}) = 1 - p(\text{התקנה}) - p(\text{התקנה}) = 1 - 0.17 - 0.4 \cdot 0.2(1-p) = 1 - 0.17 - 0.4 \cdot 0.2 \cdot 0.25 =$
 $= 1 - 0.17 - 0.02 = 0.81$

5
(1353)



$0.64 = p(1-p) + (1-p)(1-p) + (1-p)p =$

$0.64 = p - p^2 + 1 - 2p + p^2 + p - p^2 =$

$0.64 = 1 - p^2$

$0.36 = p^2$

$p = 0.6$