

1) DVE KOČKI:    3 6 9 12 15 18  
                   2 4 6 8 10 12

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ZALOGA VREDNOSTI: 3+2=5, 3+4=7, 2+6=8, 3+6=9, ...  
 ... 15+12=27, 18+10=28, 18+12=30

5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,  
 20, 21, 22, 23, 24, 25, 26, 27, 28, 30

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$$P[X < 10] = P[X = 5 \cup X = 7 \cup X = 8 \cup X = 9] =$$

12 IDI, KI USTREŽAJO TEMU DOGODKU: 3+2, 3+4, 3+6, 6+2;

4 IDI, KI USTREŽAJO DOGODKU;  $n_A = 4$

VSI IDI;

$$n = 6 \cdot 6 = 36$$

$$\underline{\underline{P[X < 10] = \frac{4}{36} = \frac{1}{9} = 0.11}}$$

12 ID RDEČE KOČKE:  $Y$ ;     $E[Y] = \frac{3+6+\dots+18}{6} = 10.5$

12 ID MODRE KOČKE:  $Z$      $E[Z] = \frac{2+4+\dots+12}{6} = 7$

$$\underline{\underline{E[X] = E[Y+Z] = E[Y] + E[Z] = 10.5 + 7 = 17.5}}$$