1. 999 prostih brojeva: mogući završeci: 1, 3, 7, 9 => 4 mogućnosti 999 = 4 249 + 3 => portoji siguruo 250 trojeva hoji zavisavaju istom cifrom (1sto važi i za 998 brojeva) 2. 15 - mm 12 - fiz 16 - rif 15! , 12! . 16! , 3! -> ukupan broj rasporeda

gelje su knjige grupisane
po predmetima 15! 12! . 16! . 2.2 -> mm i inf gedue do druge =) 12!16! (15!(3!-4) = 12!16!15! .2 3. $52 \text{ karte} - 3 = \begin{pmatrix} 52 \\ 3 \end{pmatrix}$ $S_1 - 3$ cruene = $\binom{26}{3}$ $S_2 - 3$ slike = $\binom{12}{3}$ S45, - 3 owene stile = (3) $\binom{52}{3} - \binom{26}{3} - \binom{12}{3} + \binom{6}{3}$

4

4.
$$8a_{u+3} - 12a_{u+2} + 6a_{u+1} - a_{u} = 0$$

 $8t^3 - 12t^2 + 6t - 1 = 0$
 $(2t-1)^3 = 0 = 7 t = \frac{1}{2}$
 $a_4 = (4n^2 + 3n + c) \cdot 2^{-n}$
 $a_6 = 0 = c$
 $a_1 = 1 = (4 + 3 + c) \cdot \frac{1}{2} =) \quad A + B = 2$
 $a_2 = 4 = (4a + 2b + c) \cdot \frac{1}{4} \quad 4a + 2b = 16$
 $2a = 12 \quad 4 = 6$
 $a_4 = (6u^2 - 4u) \cdot 2^{-n} = \frac{8 = -4}{c = 0}$
 $a_4 = 2a_1 + 2a_2 + 2a_2 + 2a_3 = 16$