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=> ако се равнойравно распоредел спідрно зе 9 у истој купици 25 = 3.8+1

- небишин федоспиред синдренаша

$$\chi_1 + \chi_2 + \chi_3 + \chi_4 = 142$$
 $y_i = \chi_i - k_{0i}$ again. $0 \le \chi_1 \le 56$ $0 \le \chi_2 \le 52$ $0 \le \chi_3 \le 30$ $0 \le \chi_4 \le 30$

$$S_{1}: \chi_{1} \geq 57 \implies \chi_{1} + \chi_{2} + \chi_{3} + \chi_{4} = 85 \quad N(S_{1}) = \binom{88}{3}$$

$$S_{2}: \chi_{2} \geq 53 \implies \chi_{1} + \chi_{2} + \chi_{3} + \chi_{4} = 89 \quad N(S_{2}) = \binom{92}{3}$$

$$S_{3}: \chi_{2} \geq 53 \implies \chi_{1} + \chi_{2} + \chi_{3} + \chi_{4} = 89 \quad N(S_{2}) = \binom{92}{3}$$

$$S_3: \chi_3 \geqslant 31 = 2 \chi_1 + \chi_2 + \chi_3 + \chi_4 = 111 N(S_3) = S_4 = {114 \choose 3}$$

$$N(S_2S_3S_4) = {31 \choose 3}$$
 $S_1S_2S_3S_4 = 0$

$$= N(5|5|5|5|5|5|) = {145 \choose 3} - {88 \choose 3} - {92 \choose 3} - 2 \cdot {114 \choose 3} + {35 \choose 3} + 2 {57 \choose 3}$$

$$t2(\frac{67}{3})+(\frac{83}{3})-2(\frac{4}{3})-(\frac{26}{3})-(\frac{31}{3})$$

4.
$$a_0 = 1$$
 $a_1 = 4$

$$a_{u+2} = a_{u+1} a_u'$$

$$log_2 a_{u+2} = 3log_2 a_{u+1} + 4log_2 a_u \qquad b_n = log_2 a_u$$

$$b_{n+2} = 3b_{n+1} + 4b_n \qquad b_n = t^n$$

$$t^{m+2} = 3t^{m+1} + 4t^m$$

$$t^2 - 3t - 4 = (t - 4)(t + 1) = 0$$

$$b_{n} = A \cdot (-1)^{n} + B \cdot 4^{n}$$

$$b_{0} = log_{2} 1 = 0 = A + B$$

$$b_{1} = log_{2} 4 = 2 = -4 + 4B$$

$$b_{2} = -\frac{2}{5}(-1)^{n} - 4^{n}$$

$$A_{1} = 2$$

$$A_{2} = 2$$