Patryle Mariony 331542 Lista 6 Zoid-1 2 k (k) - do delegory: vykieramy le z nosób oraz 1z/c k=1 osób na pnewodnivacego $n2^{n-1}$ vyleieramy pneuodnivaçuego na n sposoloin, a dla resuly ery sa u delegagi (vy nie (0,1) Zad. 3. A - livby podrielne prer 2 B-11-3 0 - 11 - 7 1(AUB) [- [((An((UD)) U(Bn((UB)))] $\left(\left\lfloor \frac{h}{2} \right\rfloor + \left\lfloor \frac{h}{3} \right\rfloor - \left\lfloor \frac{n}{2 \cdot 3} \right\rfloor \right) - \left(\left\lfloor \frac{h}{2 \cdot 5} \right\rfloor + \left\lfloor \frac{n}{2 \cdot 7} \right\rfloor - \left\lfloor \frac{n}{2 \cdot 5 \cdot 7} \right\rfloor \right)$ $+ \left(\left\lfloor \frac{n}{3\cdot 5} \right\rfloor + \left\lfloor \frac{n}{3\cdot 7} \right\rfloor - \left\lfloor \frac{n}{2\cdot 3\cdot 5} \right\rfloor \right) - \left(\left\lfloor \frac{n}{2\cdot 3\cdot 5} \right\rfloor + \left\lfloor \frac{n}{2\cdot 3\cdot 5\cdot 7} \right\rfloor \right)$ Zasada utaquer i mystageren KEN, N. - Suma utblivmleiner garie ita linka jest mi-tej porgejil - \(\frac{h}{(h)} \left(\hat{h-1} \right)!

Zad. 6. Podobnie jak zord. 4., Zarocolor włąceni i nytyczeni 5×4=20 $\binom{5}{0}$ $20^{9} - \binom{5}{1}$ $(20 - 4 - 1)^{1} + \binom{5}{2}$ $(20 - 4 - 2)^{2} - \frac{5}{3}$ $(20 - 4 - 5)^{5} = \frac{5}{3}$ = \(\xi \) \(\frac{\xi}{2} \) \(\(70 - 4\) \(\) Zaol. 12. a i b twona podgrupeg 55 (sa zamlinigle na driatanise stradania funlizii (pretestoricei) i mojo, elementy odnostne) nedu S5 (170) (tw. Lagrange a). $(12)(345)(135)(24) = (14)(25) \notin \mathbb{C}$ 16/3/0x/6x/= 12× (5+5) = 120

Zad. 13 Ox - histor shitx |Gx - links stabilizatoron x (G = 2h $|O\times| = \frac{|G|}{|G\times|} = 2^{l} \vee 1$ 2/1/2/ X=U(Ox xex) X1, norteging suma orbit -2 misi istnière abita jeomo elementaria) to inane isythic orbity loging by parate profit (X) byto by parate Zad 15. 8 sion propring en 1,7,3, -- ,8, och 8. morlinose Ox 1=8, (6x 1=3 les u problème jest trigligt normbans, 3 abroly Cyli (6) = 10x1-16x1= 24 (more grupy) Roger Terar addirong hostly identyrue, ktore moine mysholi pron about. Cryli 3! ramidance: 1. Sciana na 8 grosolow ja me precin 1 hordienelus grosolo 3. Sciana - 6, 5. Sciana - 1, 7 Sciana - 2 8-6-4-2