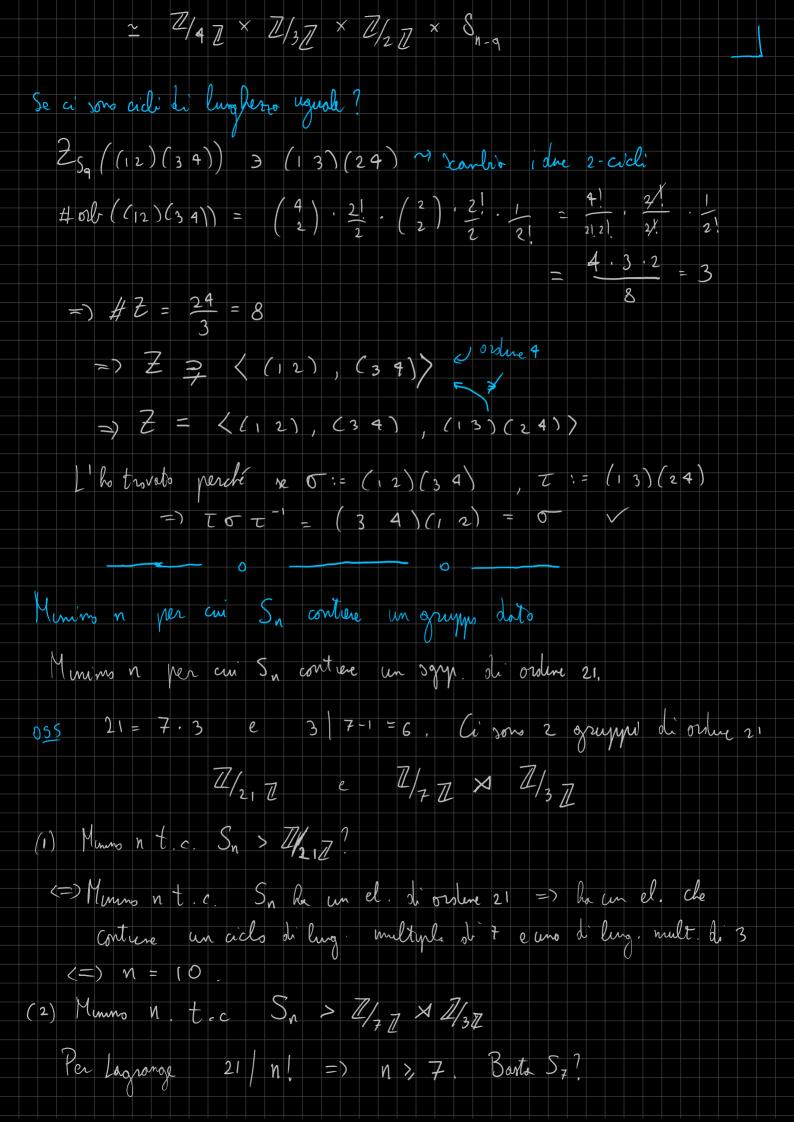
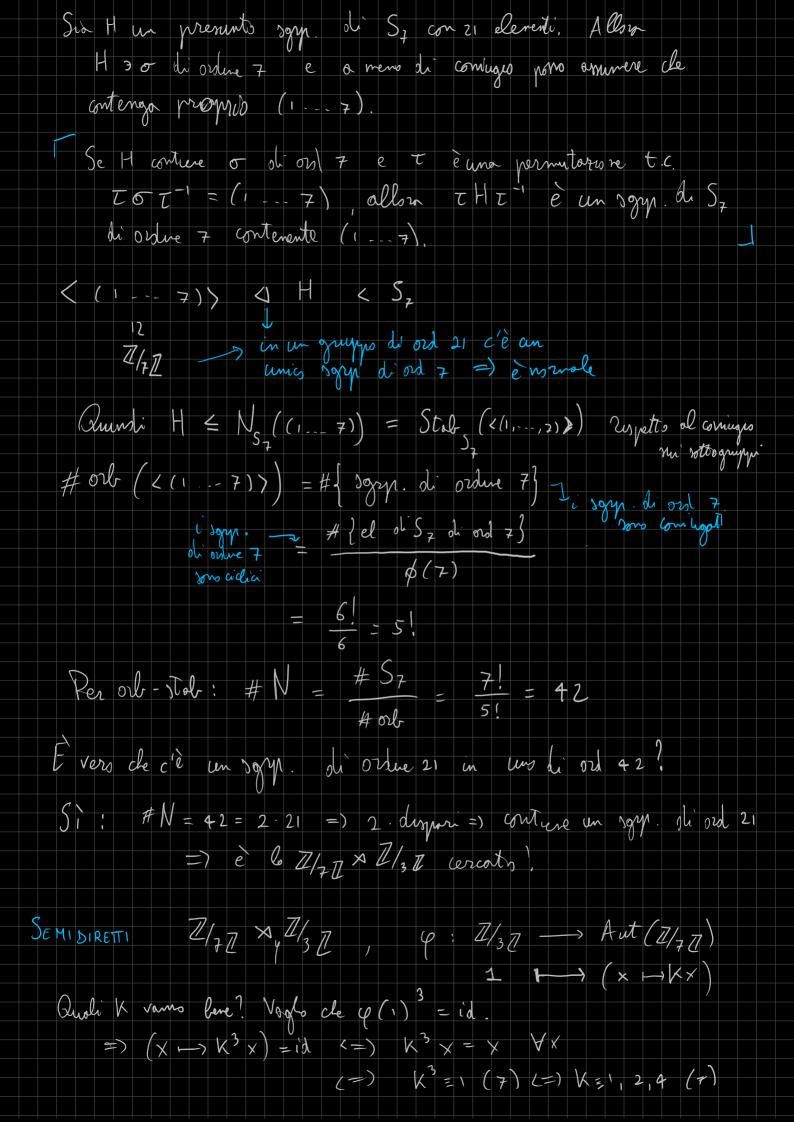
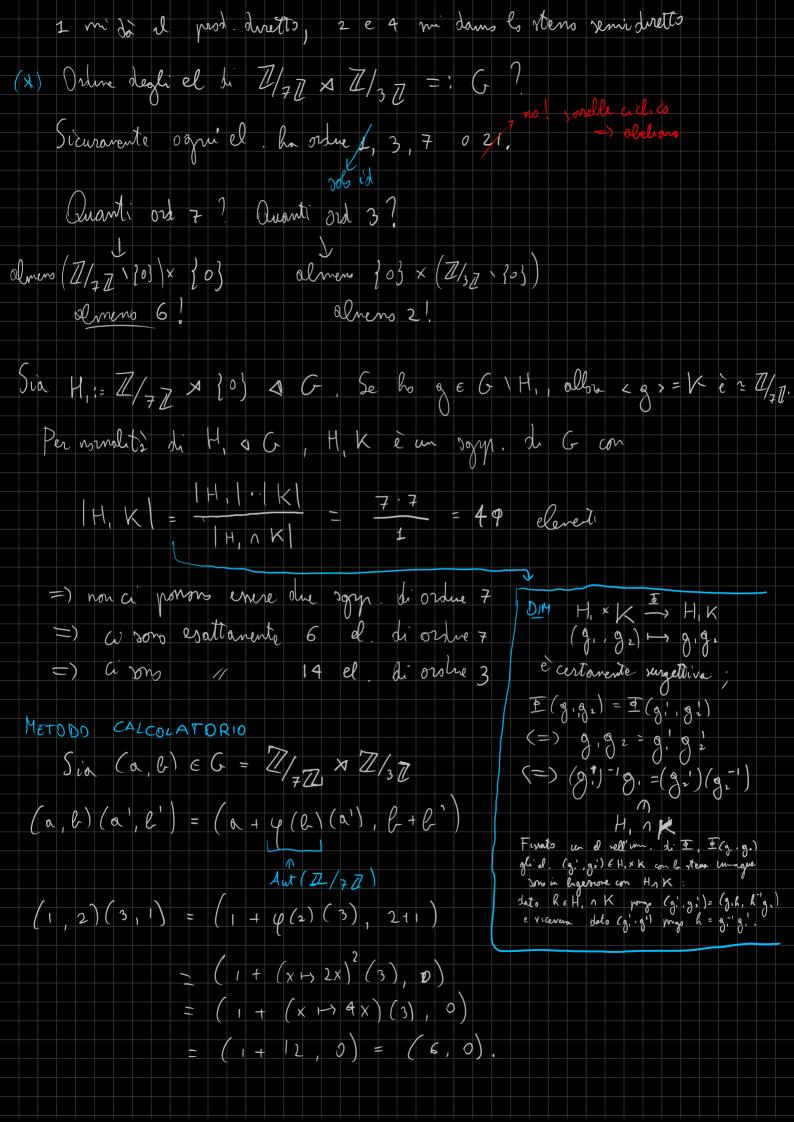


· Se ord (0) = 6 Also o è un 6 - ado oyque è un 3 + 2. Assurdo =) 0 9 2 (0,05 03) (02 06 04) 0 = (a, a, a, b,) (b, b, b) $=) 0 = (a, a_2 a_3)^{4} (e_1 e_2)^{4} = (a, a_2 a_3)$ Dungre $(a, a_2, a_3) = (123)$ Pono sceofure (b, b_1) in (3) $\frac{3}{3} = 3$ $\frac{3}{3} = 3$ = 3. = 6 modi. GENERATORI DI S. $S_n = \langle (i,j) | i,j = 1,...,n \rangle \sim \text{visto a lexone}$ = ((1,i) | i=2, ..., N) (1) = ((i, i+1) | i = 1, ---, n-1) =: H = ((1,2), (12 -.. M)) DIM (2) (i, j) = (1, j) (1, i) (1, j) => ottengo tutte le trom. a portire olo ((1,i)); = 2, ..., n) (3) Per instigue mostriano che H 3 (1,1). Certanente (1,2) ϵ H. Per hp. waluttiva (1,1) ϵ H. summe $(i,i+i) = (i,i+i)(i,i)(i,i+i)^{-1} \in \mathcal{H}$ Durope H = Sn per ché a rions riconsotti a (2). (+) (12...n) (12) (12...n) = (23) $(12...n)^{k}(12)(12...n)^{-k} = (K+1, K+2)$ as Ottengo tutte le trap tra el advacenti, durque ottengo tutto Sn. I

LENTRAL ZZATORI $\sigma = (1 - a)(567)(89) \in S_9$, Descrivere $Z_{S_9}(\sigma) = :Z$. $\begin{pmatrix} 9 & 4 \\ 4 & \frac{1}{4} & \begin{pmatrix} 5 \\ 3 \end{pmatrix} & \frac{3!}{3} & \begin{pmatrix} 2 \\ 2 \end{pmatrix} & \frac{2!}{2} & \frac{1}{2} & \frac{1}$ $= \frac{9.8 \cdot 7.6}{9!} \cdot \frac{9!}{9!} \cdot \frac{5 \cdot \cancel{4} \cdot \cancel{5}}{3!} \cdot \cancel{5} \cdot \cancel{5}$ Durape # Z = # Sq = 9! = 4! = 24 Cone troisons 2 cone grupps outroits? ~ Z/aZ × Z/3Z × Z/2Z Ma allora Z ~ Z/q 7/ × Z/3 Z × Z/2 Z per cordinalità. Se bossers that in S, n>9: $\# \text{ orb-}(\sigma) = \begin{pmatrix} n & & \\ 4, 3, 2, n-9 \end{pmatrix} 3! \cdot 2$ =) $2 = \langle (1239), (567), (84), (968) \rangle$







$$\frac{1}{2}((0,1)(1,0)(0,2)) \stackrel{(*)}{=} \frac{1}{2}((2,0)) = 0^{2}$$

$$\frac{1}{2}((0,1)(1,0)(0,2) = (0,1) \cdot (1+\varphi(0)(0),2)$$

$$= (0,1) \cdot (1,2)$$

$$= (0+\varphi(1)(1),2+1)$$

$$= (\varphi(1)(1),0)$$

$$= (2,0) (*)$$

$$\frac{1}{2}((2,0)) = 0^{2}$$

$$= (0,1) \cdot (1,2)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

$$= (2,0) (*)$$

