Excz Determination. M a.i. Sy contine un element de ordin M.

Excz Determination. $\begin{cases} \sum_{i=1}^{n} (12)(34) & \text{$V_2 = (N_3)(24)$} & \text{$V_3 = (N_4)(23)$} \in S_4 & \text{$I_1 N_1 S_4$ arem 9 as the last of the permutation of the permutation of the permutation of the last o$ Avenu 10=C3 transpositie îm S5. Deci, aven 25 de permutaire în S5. Exc2 ord(5) = cmmmc al lungimilor ciclilor care apar in descomp Dc T = k - cide $k = 1, -, 7 \Rightarrow \text{ond}(T) = k$

ord(σ) $\neq p$ - prim cu p > 7. (in particular ord (σ) $\neq 11,13,17,19,23,-$) $T = (123)(4567) = 3 \text{ ord}(\sigma) = 12$ Afirmatie Multimea ordinelor elementelor din Sy este }1,72,3,4,5,6,7,60, 1571=7! Daca (5) 7! =2.3.4.5.6.7 Dr. k=1 =7 \forall ente un i_1 -ciclu $\forall i_2 \in \{1,2,3,-17\}$ Dr. k=2 \forall ond $\forall j = 1$ \forall ond \forall only \forall ond \forall only \forall o (iniz) = } (2,2), (2,3), (2,4), (2,5), (3,3), (3,4) = > ord(0) = { 2,6,4,10,3,129) ord (v) = commma (iniziliz) intiztiz = 7 zeineizeiz (in,iz,is) = } (2,2,2), (2,2,3)) = ond(5) = } 2,6%.

e E 5 m e generat de transportiti. Care este rumainel minime de caré pot pour caré pot para 5 m. Exc Anatati ca Smorte generat de:

(12),(13),---,(1m)

franspositiile (12),(23),---,(m-1 m)

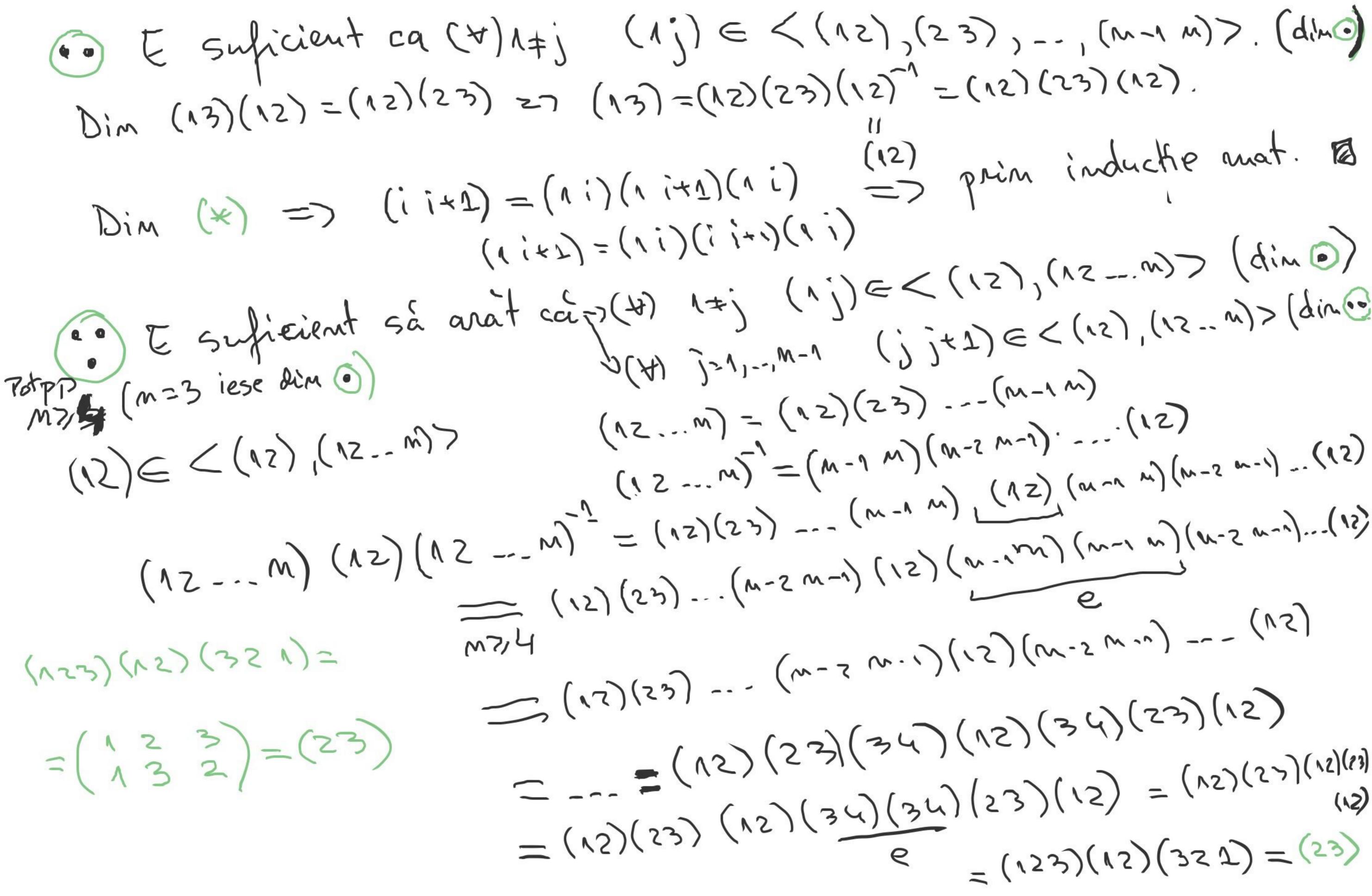
franspositiile (12),(23),---,(m-1 m) Sie cidic (=> M=Z Sme mecomutativ (4) m >3. (12) si (12-- n) (onice transportitie si onice ciche de lumgime n) onice cidir de lumquimen)

(i)

apartime

subsquipului generat de ?(12),(13), --,(1m)?.

(12)(13)=(123) $= 7 (12)^{-1} (13)(12) = (23).$ (45) (17) = (15)(17)(17) = (17)(13), -1(14)



Tamá $(12...m)(23)(12...m)^2 = (34)! si apoi$ $<math>(12...m)(jj+i)(12...m)^2 = (j+ij+2)! [14j+m-2].$