Read Along. Selick 1.8,1.10,1.11.
Rible Along. VXEIR Jaiea Q^[0, X] What do these some?
Asile. Go over MaxPermOrder.
Big Example. $B_n = TT_1((C^2 - \{j \mid nogl_j\})/S_n) = \int_0^{q} $
$S_{n} = \left\langle \overline{0}_{1}, \overline{0}_{n-1} \right \left\langle \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} \right\rangle \left\langle \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} \right\rangle \left\langle \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} \right\rangle \left\langle \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} \right\rangle \left\langle \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} + \overline{0}_{1} \right\rangle \left\langle \overline{0}_{1} + \overline{0}_{$
PBn = kerTT XI Two reasons vly I like this one:
PBn = PBn-1 $\times F_{n-1}$ = $((-(F_1 \times F_2) \times F_3 - (-(X)) \times F_{n-1}))$
PBn= PBn-1×Fn-1 = (((F, XF2) XF3 XFn-2) XFn-1)
of Groups of order 21. Z/21, Z/4×Z/3=(x>× <y></y>
Graps of order 21. $\mathbb{Z}/21$, $\mathbb{Z}/4 \mathbb{Z}/3 = (x) \times (y)$ Aut $(\mathbb{Z}/4) = \mathbb{Z}/6 = (\phi_3)$; $\phi_3(x) = x^3$; $y^3 = x$ or x^2 or x^4 (150: if $x^3 = x^2$ & $y = y^2$ hen $x^3 = x^4$)
Groups of order 12. It 16/=12, Py= 12/4 or (1/2) P3=12/3,
and at less one of Rose is normal, for Avis not enough
room for 4 B & 3 Py's. So G is a seni-direct
Product. 2/12, 2/2×2/6, Ay, O12, 4/3 > 2/4
The most fun case is 2/3 (1/2)2, giving Ay.
Solvable Groups. Def G is solvable if all quotients
in its Jordan-Höller Series are Abelian.
ThmI. IF NOG, G is soluble iff N & G/N are.
2. If HG and G is solvable, so is H.
ADB HADHOBZV HOB -> BALY [6] HAD -> [6]
is injective.
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chardler Davis Lecture.

October 21, hour 18: Braids, Orders pq and 12, Solvable groups

October-19-10 8:52 AM