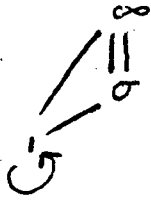
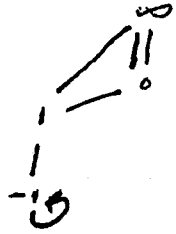




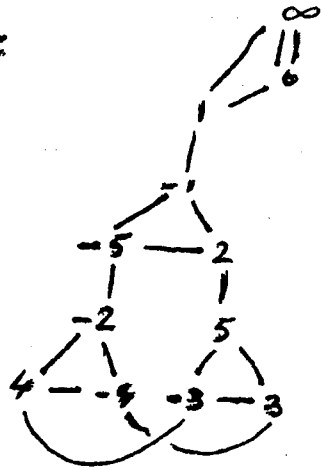
$G_{\Gamma_0(2)} :$



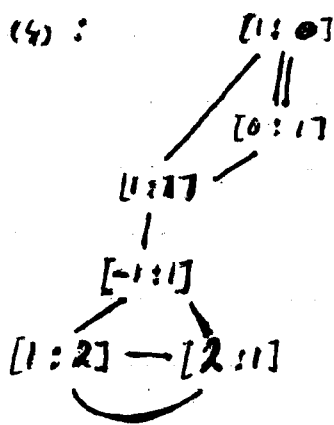
$G_{\Gamma_0(3)} :$



$G_{\Gamma_0(4)} :$



$G_{\Gamma_0(4)} :$



$$\begin{aligned} \text{Ex } \# P^1(\Gamma_0(N)) &= N \prod (1 + \frac{1}{p}) \\ &= \psi(N) \\ \psi(4) &= 6 \end{aligned}$$