

第十二次作业 (Modular Equation)

请于五月三十日周五 (校历第十五周) 当堂上交本次作业。请独立完成。如有参与讨论者, 请引用或致谢他们。

1. Prove that there is a polynomial $F(X, Y)$ such that

$$F(j(z), j(2z)) = 0$$

where j is the modular function.