Attendance Quiz # 23 for Dr. Z.'s Number Theory Course for Dec. 2, 2013

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1.: Use Euler's recurrence to compute $p(7)$, if someone told you that

$$p(0) = 1 \quad , \quad p(1) = 1 \quad , \quad p(2) = 2 \quad , \quad p(3) = 3 \quad , \quad p(4) = 5 \quad , p(5) = 7 \quad , \quad p(6) = 11,$$

2. Apply the Bressoud-Zeilberger mapping ϕ to the following λ. Then compute $\phi^2(\lambda)$ and make sure that you get λ back.

$$j = 0 \quad , \quad \lambda = (4, 2, 1, 1) \quad ,$$