每周練習(4/6~4/7)

1. Find all positive integers a and b such that $\frac{a^2+b}{b^2-a}$ and $\frac{b^2+a}{a^2-a}$ are both integers. (難度:5)

2. Five men and nine women stand equally spaced around a circle in random order. The probability that every man stands diametrically opposite a woman is $\frac{m}{n}$, where m and n are relatively prime positive integers. (難度:5)