

I U P U I  
MATH CLUB TEASER #58

March 25, 2011  
(due April 3, 2011)

SOLUTION

Greta cannot be paired with Alex. Otherwise, Alex and Agnes will both prefer to run away together. Also, Greta cannot be paired with Jeremy. Otherwise, Greta and George will both prefer to run away together.

So... Greta must be paired with Jeremy.

There are two ways to arrange the other two couples, and both are stable. This gives the two solutions:

Jeremy — Agnes	Jeremy — Teresa
Alex — Teresa	Alex — Agnes
George — Greta	George — Greta

SOLVED BY:

Captain Nemo, Zach Fite, The It, ?, The Math Hatter.