

I U P U I  
MATH CLUB TEASER #39

March 5, 2010  
(due March 12, 2010)

SOLUTION

There is a pair of clowns that are closest; call them A and B. They will pie each other. If either A or B receives extra pies, there will not be enough for the remaining five, so one of those five will survive.

Otherwise, the remaining five will pie each other. In that case, two of them are closest; call them C and D. They will pie each other. If either C or D receives extra pies, there will not be enough for the remaining three, so one of those three will survive.

Otherwise, the remaining three will pie each other. In that case, two of them are closest; call them E and F. They will pie each other. But now there is no clown left that can pie the last clown G, so G survives.

SOLVED BY:

Captain Nemo.