## Michigan Math Club Thursday at 4pm in the Nesbitt Room

Free Pizza and Pop

## Jellybean arbitrage and Smith normal form

John Wiltshire-Gordon (University of Wisconsin) 11 April 2019



Is it better to buy avocados 3 for 5 dollars or 5 for 8 dollars? What if there are three commodities (red, green, and blue jellybeans) instead of avocados and dollars?

In this talk, we spend jellybeans to make jellybeans, thanks to linear algebra over the integers.