

MthT 430 Thanksgiving Project Turn in November 14, 2007

1. **The Mashed Potato Theorem:** A plate of mashed potato can be evenly divided by a single straight vertical knife cut.

Hint: Create a continuous function which describes the proportion of mashed potatoes on the “left side” of the cut.

2. **Carving a Turkey:** A turkey may be sliced into two portions of equal weight by a single straight cut.
3. **Original Problem:** Create a mathematical problem related to Thanksgiving and its traditions.