**Tutored Video Instruction at Beihang University**

2006 Beijing

**Problem Reduction Examples**

- Reduce the problem of finding the Maximum of a set of integers to finding the Minimum of a set of integers

Find the maximum of: 8, -3, 2, 12, 1, -6

A Student Submission to answer a certain question

**Traveling Salesman Problem**

- Given a complete graph with edge weights, determine the shortest tour that includes all of the vertices (visit each vertex exactly once, and get back to the starting point)

Student Submission With Embellishment
An example of a query about the meaning of a particular term using the student submission facility

Construct a maximum cardinality set of edge-disjoint paths.

Thank you!