CS 773 Winter 2002

Exercise Set 1

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Exercise 1

20 pts., due no later than 25-FEB-2002, required

Give an informal proof of the following statement:

> *For all normal polyhedra, $V - E + F = 2$.*

State your assumptions and define what you mean by a normal polyhedron, V, E, and F. Make the theorem you prove as strong as possible. You are welcome to use anything you learn from Lakatos's *Proofs and Refutations*.