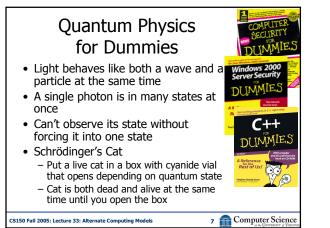


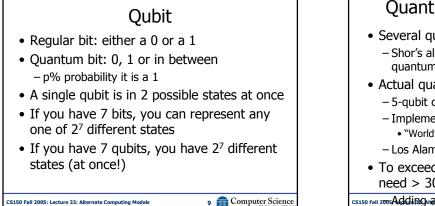
Computer Science

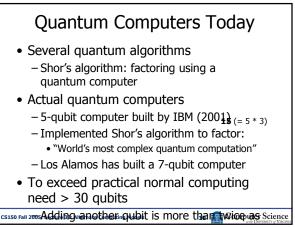


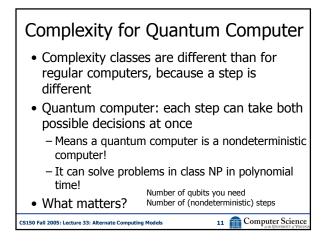
Quantum Computing Feynman, 1982 Quantum particles are in all possible states Can try lots of possible computations at once with the same particles In theory, can test all possible factorizations/keys/paths/etc. and get the right one! In practice, very hard to keep states entangled: once disturbed, must be in just one possible state

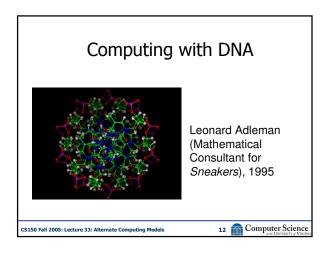
CS150 Fall 2005: Lecture 33: Alternate Computing Models

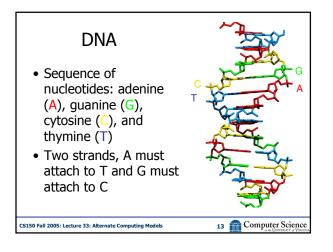
8 Computer Science

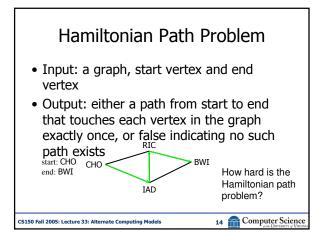


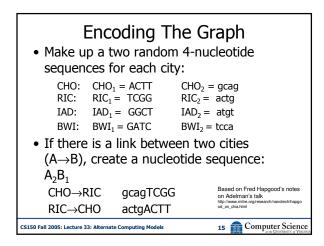


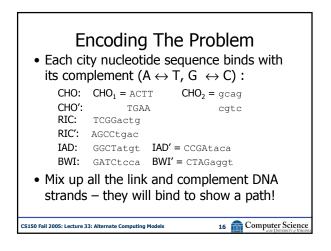


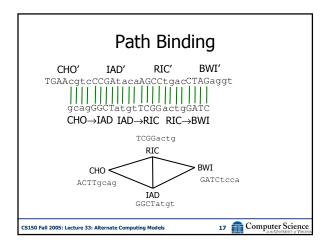


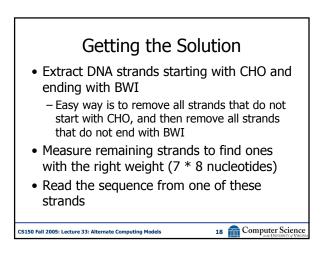


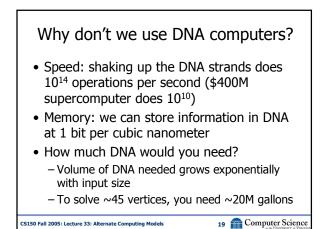


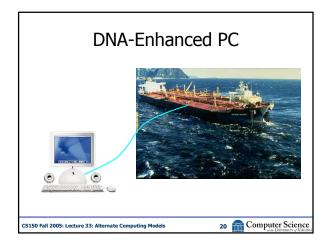


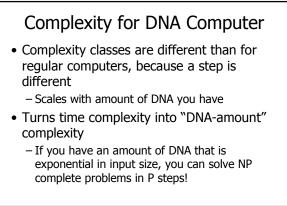












CS150 Fall 2005: Lecture 33: Alternate Computing Models



