EECS 42 Intro. electronics for CS Spring 2003 Lecture 17: 04/02/03 A.R. Neureuther Version Date 03/30/03

EECS 42 Introduction to Electronics for Computer Science Andrew R. Neureuther

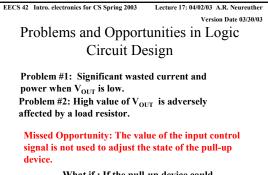
Lecture # 17 Logic with Complementary Devices S&O pp. 607-611 (read for graphs and not physics or equations), plus Handout of Wed Lectures.

A)Discovering a Pull-Up Device

B) Designing a Pull-Up Device

C) EE 42 Pull-Up Device Model (42S_PMOS)

- D) Composite I_{OUT} vs. V_{OUT}
- E) Voltage Transfer Function and V_{MID} http://inst.EECS.Berkeley.EDU/~ee42/



What if : If the pull-up device could be a state-dependent device what kind of device would we want?

