EECS 42 Intro. electronics for CS Spring 2003 Lecture 16: 03/31/03 A.R. Neureuther Version Date 03/30/03 **EECS 42 Introduction to Electronics for Computer Science** Andrew R. Neureuther Lecture # 16 Logic with a State Dependent Device S&O pp. 593-595, 604-606 (read for graphs and not physics or equations), plus Handout of these viewgraphs. A)State Dependent Device I_{OUT} vs. V_{OUT} **B)**Load Line Analysis for Logic Levels **C)Voltage Transfer Characteristics** $VTC = plot of V_{OUT} vs. V_{IN}$ D) 42S NMOS Pull-Down Device and Logic http://inst.EECS.Berkeley.EDU/~ee42/ Copyright 2001, Regents of University of California





































