CS121 Midterm Review

	What	How	
Finite	$f: \{0,1\}^n \to \{0,1\}$ $f: \{0,1\}^n \to \{0,1\}^m$	NAND-CIRC AON-CIRC IF-CIRC	Boolean circ NAND-CIRC
Unbounded Inputs	$F: \{0,1\}^* \to \{0,1\}$ $F: \{0,1\}^* \to \{0,1\}^*$ $L \subseteq \{0,1\}^*$	TMs NAND-TMs NAND-RAM	Python

Wu is computable

Wu is uncomputable

Hu computes $XOR: \{0,1\}^* \to \{0,1\}$

Wf is in $SIZE(100000)$

Hu halts on every input

Hu halts on 110110

Hf computes $MAJ_5: \{0,1\}^5 \to \{0,1\}$