

	<b>2001</b>	<b>2005</b>	<b>2010</b>	<b>2016</b>
DRAM Half-Pitch (nanometers)	130	80	45	22
DRAM Memory Size (megabits or gigabits)	512M	2G	8G	64G
DRAM Cost/Bit (microcents)	7.7	1.9	0.34	0.042
Microprocessor Physical Gate Length (nanome- ters)	65	32	18	9
Microprocessor Speeds (MHz)	1,684	5,173	11,511	28,751

Table 4.5: This table contains some technology predictions made by the International Technology Roadmap of Semiconductors (ITRS) in 2001. They predicted that by 2010 the cost of DRAM memory will decline to 1/20 of the cost in 2001 and microprocessors will be 10 times faster. By 2016, the cost of DRAM memory will be less than 1/100 of the cost in 2001 and microprocessors will be 15 times faster.