



a.

FIGURE e1.13.3 IBM System/360 computers: models 40, 50, 65, and 75 were all introduced in 1964. These four models varied in cost and performance by a factor of almost 10; it grows to 25 if we include models 20 and 30 (not shown). The clock rate, range of memory sizes, and approximate price for only the processor and memory of average size: (a) model 40, 1.6 MHz, 32 KB–256 KB, \$225,000; (b) model 50, 2.0 MHz, 128 KB–256 KB, \$550,000; (c) model 65, 5.0 MHz, 256 KB–1 MB, \$1,200,000; and (d) model 75, 5.1 MHz, 256 KB–1 MB, \$1,900,000. Adding I/O devices typically increased the price by factors of 1.8 to 3.5, with higher factors for cheaper models.