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High-Performance Computer Architecture Harold S. Stone

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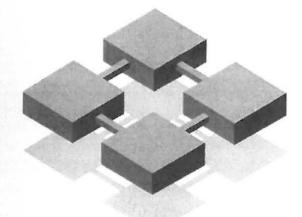
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- Goodman, J. R., 48, 54, 387, 390, 449

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Greedy strategy A strategy that initiates a new pipeline operation at the earliest opportunity; 180–182

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Grosch's Law An empirical rule that says that the cost of computer systems increases as the square root of the computational power of the systems; 14

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- Hash lookup A search technique in which the search key is transformed to an address at which the search begins; 326
- Hayes, J. P., 23
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- Hierarchy (of memory system) A multilevel memory structure in which successive levels are progressively larger, slower, and less costly; 25, 28, 100–101, 137

High-speed buffer memory A memory that holds data en route between a large main memory and the registers of a high-speed processor; 318 See also Intermediate memory

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- Hot-spot contention An interference phenomenon observed in multiprocessors due to memory access statistics being slightly skewed from a uniform distribution to favor a specific memory module; 376–378, 381–382, 444, 474
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- Hypercube A parallel processor whose interconnection structure treats individual processors as the nodes of a multidimensional cube and interconnects two processors if the corresponding nodes of the cube are neighbors; 252, 384–385
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- ILLIAC IV, 164–165, 237, 247–253, 257–259, 287, 289, 330, 333
- Image processing A computation performed on a digitized representation of an image whose purpose is to enhance the image or to extract information about the image; 13

Inclusion principle The property that a

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