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$(2m \pm 1)$ [HGS83b]. (d, k) [MR82]. (N, K) [KK86]. 1 [wu87b]. $1/2$ [ZW87]. 2 [FLN89, Jes80a, KR82, RY82]. $2(\log_2 N) - 1$ [Lee85b]. $2/3$ [ZW87]. $22n + 1$ [STR87]. $2m$ [PNH88]. 3 [WH88]. 4 [KW81, TPSS85]. $5.8n \log_2 n$ [CW80]. 8 [Kal83]. $\lceil \lg N + 1 \rceil$ [CT84a]. 2 [DD81, Eti80, FM89]. $^{2.5}$ [DM84]. 2p [SLS82]. n [HSE84]. AB [Bla83, Slo85]. D [Kak85, Kak83, LB88, SW82, WV87, WR81]. $d > t$ [LB88]. ℓ [Hoc83]. $GF(2^m)$ [Fen89, WTS⁺85, YRT84, Zho88]. $GF(P)$ [TKL86, HQR89]. $GF[p^n]$ [Eng81]. K [GM87, NHAT89, Agg86, BL84, CI88, CE87, Dav89, Lee82, LC87b]. L/U [JK82]. λT [CGMP87]. M [Bla83, Mor80, Slo85, WH80a, Wus81, GH83b, HGS83b, PNH88].

$m2$ [MM83a]. N [CS87, Er84, Esf89, Mor80, Wus81, AP89, AG81b, Bha83a, GH83b, Kha82, LM87a]. $n - 1/n$ [Nil84, Wen85, Can83]. $O(2^{0.304n})$ [Jia86]. $O(\log n)$ [BP85]. $O(n)$ [Sip82]. $O(n + k)$ [LD88]. $O(N^2 / \log^{3/2} N)$ [SR81a]. $O(t^3 + |E|)$ [Sul88]. P [Tha82, Tha84b, TKL86, YF88, Fro83, GNK86, KM83b, Wus82]. r [GH83a, HGS83a]. s^2 [SSS89]. t [BV89, CA89, LB88, NGP86].
-Adic [Fro83, GNK86, KM83b]. **-an** [SGI89]. **-ary** [Er84]. **-Bit** [Kal83, Wus81, Mor80]. **-Cube** [Bha83a, AP89, CS87, Esf89]. **-D** [FLN89, KR82, wu87b]. **-EC** [LB88]. **-Error** [NGP86, BV89, LB88]. **-Function** [Tha84b]. **-Functions** [Tha82]. **-Graph** [WR81]. **-Level** [Wus82]. **-Nearest** [Lee82].

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1-out-of- [Kha82]. **1-out-of-3** [Gol84]. **10th**
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1981 [Ano82-28, Ano82-29, Ano82-59]. **1982**
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1987 [Ano87z].

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64K [IC80].

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Hen84, Hon85, HG87, IPM82, JTP85, KK82, KA87, KAGER82, Liu82, Liu84a, MLB87, PS83a, PR82, RM83, SBK85, SSB87, Shi82b, SWP86, SM82, SWK84, SG82, TL80, TRYS83, TLR83, VZ81, VBH⁺81, WM84, CNO⁺88, Con89, EA89b, Fen89, GW89, HTDR88, KHS88, KWFT88, MG88, NOYK88, PMSB88, Pol88, SGI89, TSM88, Tys88, MPPZ88]. **Architectures** [BPM⁺86, DGS80, GS87, GK85, KK80a, LF80, Lop84, LF87, MBC82, MTG⁺85, NJM83, NF84, NS87, Pra85a, Pra85b, Pra86a, RAE84, Red87a, Sei84, Str82, Veg84, WTS⁺85, HA88, RTY⁺88, SS89c, YJ89, YS89]. **Area** [Ame82, BPV83, BP85, Bux83, CGMP87, FT84, Kam87, KM87, KB84, LHPW85, LSW87, Pre83, RG85, WHT84, CBAP89, HA88, KP88, Ram88, RS88b, Sin88b, SR81a]. **Area-Time** [Pre83, WHT84]. **Arithmetic** [Agr80, AR83, Ano84f, AP85, BM86a, BR83a, Che82b, CVY83, CHH83, DDG80, GH83a, Gai85a, GNK86, HGS83a, HT80, HL86, HC82, Jen83, KUV85, KM84b, LZLH85, MK85, NJM83, NH85, Owe83, OI87b, SOA85, Sip84, SG80, Swa80, SCNS83, Tay82, TPSS85, Ulm83, ZB87, ZN80, Cos88, KM83a, Loz83, Man88, NPP88, Sco89]. **ARQ** [CL88]. **Array** [Agg86, AG81b, BVH83, Bha83a, Bok84, CIP87, Chu85, DV87, Ers85, Fla82, FHH⁺83, FYK87, Jes80a, Jes80b, KH86, KAGER82, LV82, Len85, LY83, LA85, MG86, Nak86, Nwa85, Pap83, PBL89, RV84, Ree80, SF84, TOM81, Ten83, VRF84, WBA83, Zak84, Cos88, FLN89, Hos89, KJC89, PK88, ST88a, SL88a, WCS89]. **Arrays** [AC84, Aga80, AS85, BM86b, BNM86, BK84, DM81, ES80, FK85, FR85, FK81, GKS84, Gor87, JMKN86, KB84, Kor86, KS83a, LL85, LW85, MT87, MF86, OS87, O'L87, OP84, Ozg86, PR81a, PF83, RT85, RFS86, RB83a, RB83b, Ros83, Ros85b, SKF83, Sas81, SM87, UV81, Uhr82, VR86, VS86a, YWW86, ZH85, Ata88, FS88, JK89, KR89a, KT89b, LLJ89, LJJ89, LP88, Man89, OT89, SR88a, Sin88b, VR89b]. **Arrival** [CS85]. **Arrivals** [Sha81]. **Art** [Kar82]. **ary** [Er84]. **ASCA** [NOYK88]. **Aspects** [Fen85, Ram86a, Ram86b]. **Assertion** [PS83b]. **Assigning** [MTMA85]. **Assignment** [FT84, FYK87, Lau81, LL84, Lo88, NKY⁺80, PTT81, Rub81, Sas84, ST85, BS89a, CD88, CS89, DIN88, KK89, ST88a]. **Assignments** [Sin88a]. **Associative** [DL86, DGS80, Fet80, HNS84, SD87, Str82, CCWZ88, LD88]. **associativity** [HS89]. **Astronomical** [EHS80]. **Asymmetric** [HS81, Shi82a]. **Asymptotically** [KP80a]. **Asynchronous** [BM86a, CAV86, CG87, Hay81, HT82, Hol82a, Tha84a, Tha84b, WF83, WF80a, BC88, Coa88, San88a]. **atomic** [Blo88]. **ATP** [KP88]. **ATP-2** [KP88]. **attenuator** [CG88]. **Augmented** [AS82b, MS82, LL88]. **August** [Ano87z]. **Author** [BH80, Des81, GLL81, Mil85, Nil86, RTW80, Ros86, SM80, Smi86, SCA81, SCN86, Weg82]. **Authors** [Ano80-45, Ano82-54, Ano82-55, Ano83-32, Ano83-33, Ano83-34, Ano83-35, Ano84u, Ano84v, Ano84w, Ano84x, Ano84y, Ano84z, Ano84-27, Ano84-28, Ano84-29, Ano85p, Ano85q, Ano85r, Ano85s, Ano85t, Ano85u, Ano85v, Ano85w, Ano86u, Ano86v, Ano86w, Ano86x, Ano86y, Ano86z, Ano86-27, Ano86-28, Ano86-29, Ano86-30, Ano86-31, Ano87p, Ano87q, Ano87r, Ano87s, Ano87t, Ano87u, Ano87v]. **Autocorrelation** [Mor80, Wus81, Wus82]. **Automata** [PTC86, Wan81, WR81, HCMP89, HMC89, OM88, SKW88, ZMC89]. **Automated** [HP82, KW85, WW83]. **Automatic** [BCDM86, KS82a, SG83, ST86a, TJB86, WW83, VZMBH89]. **Autonomous** [MBN81]. **Autoscale** [TH82]. **availability** [GT88, MDG89]. **Available** [NF84]. **AVL** [Got81, Ell80]. **Avoiding** [Fos89]. **AXE** [OJ80].

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[Hay80]. **Cells** [VS86a, TS88b]. **Cellular**

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CP82b, CA86, CFH81, CLP81, DG86,

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HL84, HL80, HRJ86, HN80, Hwa87, IM87,

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Hon82, HKR87, HA84, HC87, IK85, Iye84, IDH86, JA88, Kes84, Kha84, KP80b, KB84, Kor86, KSB85, KK86, KJC89, LS84, LF87, LP88, MS81, MM80, MA82, MSS82, Mey84, Mil82, MM83b, MM84, NK87a, NN86, OK83, Ozg86, Pra80, PR82, Pra83, Pra85a, Pra85b, Pra86a, RAE84, RV86, RT86, RB83d]. **Fault** [Red87a, Red87b, Ren84, Ros83, Ros85b, Sav80c, SMV87, SY83, SL80, SCP⁺81, SSB87, SL83a, SH84, SL86, Sil82, Smi80a, Sti80, Tan84, TAF87, VR89a, VHD82, VH84, VR83, WA80, WB81, Wu87a, YN84, YM86b, YML86, YM87b, YM87a, YH86, Zhi84, AK88, AL88, Ban88, BD89, BW89a, Bos88, CCWZ88, CI89, CM88b, CM88c, CC89, Coa88, DSH89, DT89, Esf89, Gai88a, Gai88c, GS89, GNH88, HKR88, Hos89, Jha88, KWFT88, KM89a, KR89a, KSW89, KPR88, KR89b, KT89b, LLJ89, LJL89, LW89, LZM89, Mey88, ML88, NK88b, Reg88, Sin88b, Ski88, SAA89, Sul88, Tys88, TYZ88, UR88, VR89b, VM88, Wal88, IYM88, YM88b]. **Fault-Diagnosis** [FW81, Hos89]. **Fault-Location** [Wu87a]. **Fault-Masking** [SY83]. **Fault-Secure** [NK87a, NK88b]. **Fault-Set** [RB83d]. **Fault-Tolerance** [HKR87, SH84]. **Fault-Tolerant** [AS82a, AP86, Ano81s, Ano83k, Ano85a, ACD82, BK87, BC85, CN82, Dao81, EH85, FJ88, GT83, GBG89, GS86, HA86, Haw85, Hay84, Hon82, HC87, Iye84, IDH86, Kes84, KB84, Kor86, LS84, MS81, MA82, MSS82, Mil82, Pra80, PR82, Pra85a, Pra85b, Pra86a, RV86, Red87a, Red87b, Ren84, Ros83, Ros85b, SCP⁺81, SSB87, SL83a, Sti80, Tan84, WA80, YH86, AA88, JA88, KJC89, LP88, VR89a, BD89, BW89a, CCWZ88, CM88b, CM88c, CC89, DT89, Gai88a, GS89, Hos89, KR89a, KPR88, KR89b, KT89b, LLJ89, LJL89, LW89, LZM89, Mey88, Ski88, Tys88, TYZ88, VR89b, VM88]. **Fault/Transient** [DM83a]. **Faults** [AM85, AMM86, BG86a, GH80b, Hay80, HC86, Kar83, KS80a, KP80b, LSM81, LM86, MS81, MK84, MM84, Oik87, Ozg86, PS85a, RT85, RB83a, RB83b, RR86, SKF83, SK85, Sav80a, SSB86, SN81, SR87, SB85, SR80, SR81b, SBMM87, XS85, YN83, YN84, YWW86, CFP89, KW89, MP89a, SM88, dJvdG88]. **Faulty** [BG86a, GMK85, KM89a]. **favorite** [Fis88]. **Feedback** [Che86b, Dav80a, KS80a, WM86, XS85, YN83, WM88a]. **Fermat** [TRY83, TCH⁺86]. **FET** [RR86]. **Fetch** [LMO84, BD89, Sto84]. **fetch-and-add** [BD89, Sto84]. **Fetching** [HI80]. **FFT** [Ano81y, HL86, Bon83b, Car83, CM88b, Gla80, JA88, NS87, SCNS83, TPSS85, WD84]. **fiber** [GC89]. **Fibonacci** [NN87]. **Field** [Eng81, NJM83, Red87a, FM89, HTDR88, TRH⁺88, Wan89]. **Fields** [YRT84, Man89, Pin89]. **File** [KYSY80, LL83, RW83, TS83, Twi83]. **Files** [BL80, CH85b, Met83, BBW88, SS89a]. **fill** [AJ89]. **fill-in** [AJ89]. **Filter** [Pra86b]. **Filtered** [Wus82]. **Filtering** [Red87a, TRY83]. **Filters** [KA87, FS88]. **Finding** [Agg86, Bok84, GW84, Kan85, Tsi86]. **Finite** [CIP87, CHM87, Eng81, Fro83, HT86, KM83a, Mah80, MK85, NJM83, Oik87, Red87a, SE87, WGT81, Wan81, WR84, YRT84, HTDR88, Man89, Pin89, TRH⁺88, Wan89, KM84b]. **Finite-Segment** [Fro83]. **Finite-State** [CIP87, CHM87, Oik87, WGT81]. **Finite-Turn** [Wan81]. **FIR** [FS88]. **Fire** [Adi84]. **Firefly** [TSS88]. **FISHNET** [KHS88]. **Fixed** [CS80a, DV87, JS84, MF86]. **Fixed-Size** [DV87]. **Flaws** [SMN82]. **flexible** [SRC85, WZ89]. **Flight** [MSS82]. **Flip** [Cha83a, LMP82, Mey88, Uug81]. **Flip-Flop** [Cha83a]. **Flip-Flops** [LMP82, Uug81]. **Flip-trees** [Mey88]. **Floating** [AP85, FG82, ST88b, Loz83, Sco89, WE83]. **Floating-point** [ST88b, Loz83, WE83]. **floating-slash** [Sco89]. **Flooding** [Top89]. **Flop** [Cha83a]. **Flops** [LMP82, Uug81].

Flow [ACGT84, AO80, BYH87, BE87, CH84, CS80b, CFH81, DGT84, Gau86, GKS87, HKSS86, IM87, KBB86, KS83a, LP81, LM87b, LC87a, McG80, PGR86, RM83, SS87, SM82, TJB86, GW89, LD89, San88a, San88b, WG88]. **fly** [EL87]. **Forces** [VW84]. **Foreword** [Ano80-29, Gar80, Hay84]. **fork** [KA89, NT88]. **fork-join** [KA89]. **fork/join** [NT88]. **Form** [Aky87, Ano82-45, Ano82-46, Ano83-30, Ano84q, Ano84r, Ano84s, Ano84t, Ano85o, Ano86s, Ano86t, Ano87n, IO84, Mey82, STR87, Sri87, Aky89, CMB88, CdL89, dM88]. **Formal** [KBB86, KSW89, MSS82, Sny81, Sta88a, TF82, Sta88b]. **Formalism** [Tha84a]. **formation** [Fos89]. **Formatting** [WSR84]. **Forms** [FTY87, Pag80]. **Formulas** [Sam80]. **Fornmts** [FJW85]. **Fortran** [HL82]. **Fortran-Like** [HL82]. **Forward** [Gel81]. **Four** [CL80]. **Four-Bit** [CL80]. **Fourier** [Bon83a, CF80b, PR81b, RTB81, GS87, Mah80, TSM88, Tho83a, TCH⁺86]. **FP** [WG88]. **Fractal** [SWK84, Thi89, Wai88]. **fractal-like** [Wai88]. **Frame** [LP81]. **Framework** [GJ80]. **Free** [DS87, Fro83, IK82a, LSD⁺89, Ozg86, SC87, Tay83, Tsa83, Par88]. **Frequently** [YL81]. **Full** [Cur80c, MD86, SH84]. **Full-Difference** [MD86]. **Fully** [GFM83, Hua83, IO83, Owe83, GM88b]. **Fully-Connected** [GFM83]. **Function** [Ano81z, Bry86, Car84, Cha87a, DHR80, GK83, GF87, KP80a, Kuo87, Mor80, RFLS86, RB80, Sas85, Tha84b, WB81, Wus81, Wus82, KM89b, Noe89, PS88, WM88b]. **Function-Independent** [Ano81z, DHR80]. **Functional** [AR86, AKT86, BA84b, BF80, CG88, PS85a, PS88, SH81b, SR81b, UV81, Veg84, BI88, SL88a, SS88b]. **Functionally** [BYH87]. **Functions** [BIO82, BZV86, Bes86, BG86a, CM87c, Dav80b, DD81, Kam80, KF80, Kar81, KS82a, Kre87, LM87a, MG86, MTG83, Muk86, Pap83, PA81, Por80, Por82, RS84, RS86a, Sas81, Sta81, Tha82, WHT84, Abo88, BB89a, FGPT89, JW89a, Mul85, MKLC89, YM88a, YF88]. **functions-regular** [YM88a]. **Funds** [Sta88a, Sta88b]. **Funds-Transfer** [Sta88a, Sta88b]. **Further** [KP88, Rub81, Wen85]. **Future** [Hur84, PS80]. **Fuzzy** [HRJ86, KF80, YM86a, Zhi84]. **Fuzzy-Valued** [KF80].

G [CC89]. **GaAs** [MLB87, HM89]. **GaAs-Based** [MLB87]. **Galois** [Eng81, FM89]. **Gamma** [LH88, PR84]. **GAMMON** [BW89b]. **Gate** [BS87b, Hur81, NKY⁺80]. **Gates** [LM87a, SRO84]. **Gaussian** [AJ89, HQR89, Sor85, Sri83]. **GCD** [BK84]. **General** [CHM87, HFPS82, Kre87, Liu84b, SL80, SS86, SLS82, Smi85, VSH89, BW89a, CCF89, Wai88]. **General-Purpose** [HFPS82, Liu84b, SLS82]. **Generalization** [CCSW85, YM87b]. **Generalized** [AK85, BA82, BA83, BA84a, CW80, CF80b, DC81b, DC82, Esf89, FM87, IKI83, LC87b, Sas81, SAA87, Tha84b, BBG88, FLN89, Len88]. **Generate** [Goe81, HO81]. **Generating** [Er84, Kuo87, LC87b, SWK84, VS80, Wai88, CHRR89]. **Generation** [AR86, AM85, AMM86, Ano85d, BCR83, Bes83, BF80, DB87, FS83, GK83, JA85, KS82a, LM82b, LA85, Nwa85, SK85, SG83, TW83, TC84, TA80, Che88a, Che88b, HMC89, PS88, dJvdG88]. **Generator** [Ano81-27, BH81, LS80, GNH88, Reg88]. **Generators** [AC83, Mar85, Sav83b, WH80a]. **Generic** [AM80]. **Geometric** [Til80]. **Geometry** [Cha84, LP84, LP85, MS89]. **Given** [DF84]. **Global** [Agg86, Bok84, Fis81, GB83, IKI83, Lee80, TJB86, SD89a]. **Golomb** [Rob83]. **Golub** [Moh85]. **Good** [Sav83a, Tri82]. **Gracefully** [FR85, BB89b]. **Gradual**

- [Lee89a]. **grained** [AJ88]. **Grammars** [CPG83]. **Granularity** [Cve87]. **Graph** [Agr83, Bry86, DV87, IKI83, JM87, KBB86, MR82, RS84, SN81, ST85, SBGS86, WR81]. **Graph-Based** [Bry86]. **Graph-Theoretic** [JM87]. **Graphs** [AK87, Cul80, DF84, II83, ISO85, JS84, LS82b, RFS86, SE87, Van80, CI88, Mey88, SO89]. **Gray** [CS87, Er84, VS80]. **Greedy** [DM83a, DM83b]. **Grids** [AR82, CC88]. **Group** [AK87, FMM84, PTC86, AK89]. **Group-Parity** [FMM84]. **group-theoretic** [AK89]. **Grouping** [LA85]. **Groups** [OO87]. **growth** [KM89b]. **Guarantee** [Sav83a]. **guaranteed** [GT88]. **Guest** [Ano83q, BW81b, Kar82, SJ84]. **Guided** [PK87].
- H.** [CC89]. **Haar** [RJ82]. **Hadamard** [Irs88]. **Hamiltonian** [LHC89]. **Hand** [RJ80]. **Hand-Carried** [RJ80]. **Handling** [Cri82, Gau86, Mur81]. **handshake** [SL89]. **Hard** [CMM87, DC81a, FH86, Gef73, SRC85, Sta89]. **Hardware** [AB86, Agr80, Boc82, Bur84, DM81, HP82, JO84, LS84, Lei85b, LM82b, MS81, Man84, MP83a, Muk89, PW81, PR81b, Pra86b, SD80, TP87, ACGK88, Bur82, CC89, KW89, SR88b]. **Hardware-Efficient** [Lei85b]. **Hardwired** [LC87b, Mic83]. **Hartley** [Hou87b, Hou87a]. **Hash** [Cle84]. **Hashing** [Bur84, HNS84, Bur82]. **Having** [AB86, Tam80]. **HDLC** [LP81, Wan82]. **Head** [SYJ89, CCF89, SYK89]. **Head-End** [SYJ89, SYK89]. **Height** [Vai84, Vai86]. **Height-Balanced** [Vai84, Vai86]. **helix** [Dav89]. **Hensel** [Kri83, Muk87]. **heterogeneous** [BF88, SW89]. **Heuristic** [Bes86, BG86b, Cha83b, DL87, Lo88, SW84, LD89]. **heuristically** [Sin89]. **heuristically-aided** [Sin89]. **Heuristics** [Kri87]. **Hexagonal** [GKS84]. **Hidden** [GF87, Gel89]. **Hierarchical** [Abr82, CS80b, EHM80, Fen85, MP83b, SLS82, TRTN89, tCpS88, Con89]. **Hierarchies** [CS80a, GT82, Sil82]. **Hierarchy** [MTMA85, Sil83]. **High** [AO80, Cha87b, CHL83, CLP81, Cur80b, Cur80a, De 82a, HFPS82, HP87, Kha84, LMO84, Maj85, NOYK88, OI87a, PKL80, Smi80b, Smi81b, SB80, SG80, TYY85, TY87, TAF87, UT86, WH80a, ZN80, ZG81, ZG87, Gai89, JP88, KHS88, LM88b, PP88, SBSM89, Soh89]. **High-Level** [AO80, Smi80b, Smi81b, LM88b, SBSM89]. **High-Performance** [CLP81, HP87, LMO84, Gai89, JP88, KHS88]. **High-Speed** [Cha87b, HFPS82, Maj85, OI87a, PKL80, TY87, UT86, WH80a, ZN80, ZG81, ZG87, NOYK88, TYY85, PP88]. **Higher** [Bus83]. **Highly** [Lun87, PL83b, SBMM87, Che88b, RJ89]. **Highway** [CFM⁺86]. **hit** [WM88b]. **HM** [SLS82]. **Hocquenghem** [OI87a]. **Homogeneous** [Dim85, RFS86, KK88]. **hop** [Pro89]. **Horizontal** [DLSM81, IKI83, MAV84, PB87, VBH⁺81]. **Hot** [PN85, YTL87]. **Hot-Spot** [YTL87]. **HP** [MPPZ88]. **HPC** [LF85]. **HRFC** [CS80b]. **Hu** [MA89]. **Huffman** [Par81]. **hull** [MS88b]. **Hundred** [Von83]. **Hybrid** [DM83b, MM80, RTB81, RG85, SSB86, YM87b, YM87a, YM88b]. **Hyperbus** [BA84a]. **HYPERchannel** [CG87, FH84]. **Hypercube** [BA84a, CS86a, DJ88, GS89, RS88a]. **Hypercubes** [SS88a, AOES88, CC88, JH89, Kat88, SB88]. **Hypergraph** [Ros85b]. **Hypergraphs** [FYSK84]. **Hypernet** [HG87]. **Hypertree** [GS81].
- I/O** [KB85, LY83, PW81, RB89a, Sto89, WSR84, XS85]. **IBM** [Kob83, PMSB88]. **Ideas** [BE87]. **Identification** [CH81, DM84, GH80b, YM86b, YML86, Sul88]. **Identifying** [Dah86]. **IEEE** [Boo81, Ano80-32, Ano80-33, Ano80-34,

Ano80-35, Ano80-36, Ano80-37, Ano80-38, Ano80-39, Ano80-40, Ano80-30, Ano80-41, Ano80-31, Ano80-42, Ano80-43, Ano80-44, Ano80b, Ano81-29, Ano81-30, Ano81-31, Ano81-32, Ano81-33, Ano81-34, Ano81-35, Ano81-36, Ano81-37, Ano81-38, Ano81a, Ano81-39, Ano81-40, Ano81-42, Ano81-43, Ano82-45, Ano82-46, Ano82-33, Ano82-28, Ano82-34, Ano82-29, Ano82-35, Ano82-30, Ano82-36, Ano82-31, Ano82-37, Ano82-32, Ano82-38, Ano82-39, Ano82-40, Ano82-41, Ano82-42, Ano82-43, Ano82-44, Ano82a, Ano82-47, Ano82-48, Ano82-49, Ano82-50, Ano82-51, Ano82-52, Ano82-53, Ano83-30, Ano83s, Ano83t, Ano83u, Ano83v, Ano83w, Ano83r, Ano83x, Ano83y, Ano83z, Ano83-27, Ano83-28, Ano83-29, Ano83a, Ano83-31, Ano84q, Ano84r, Ano84s, Ano84t, Ano84h, Ano84i, Ano84j, Ano84k, Ano84l, Ano84m]. **IEEE** [Ano84n, Ano84o, Ano84p, Ano84a, Ano85o, Ano85g, Ano85h, Ano85i, Ano85j, Ano85k, Ano85l, Ano85m, Ano85n, Ano86s, Ano86t, Ano86h, Ano86i, Ano86j, Ano86k, Ano86l, Ano86m, Ano86n, Ano86o, Ano86p, Ano86q, Ano86r, Ano86b, Ano87n, Ano87g, Ano87h, Ano87i, Ano87j, Ano87k, Ano87l, Ano87m, Ano87a, Ano87o, AP85]. **IF** [BG84]. **II** [SSVV81, Smi89a]. **Illiac** [RK86, SS84]. **Illumination** [LS82a]. **Image** [Ano81r, AGH⁺82, BFHW82, CP82b, HFPS82, KY82, KWR82, NWLP82, Par86, RS85, SSK⁺81, SSF82, SS82, WS82a]. **Imagery** [WFL82]. **Images** [Gue86]. **Imaginary** [KM81]. **Imase** [HP88]. **IMC** [CLH84]. **Impact** [GCV80, GV84, SL84, Pol88]. **Impacts** [KY89]. **Implementation** [AAG⁺87, AP85, BZV86, BB87b, BL84, CT84a, CSR86, Cha83b, Dav80b, De 82b, Ers85, Hol82a, HL86, HRT⁺84, JM87, Jes80a, Jul80, KY82, KH83, Lan87, MP83c, MG86, Pap83, PR81b, RB80, SBGS86, SS81, SG85b, SCNS83, Tha84a, Tha84b, WHT84, Wei80, YK82, Zwa85, Bos88, CICR88, SS89c].

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[KT85, Vu85, WGT81, WD84, Max88, PL88]. **Implemented** [Dao81, SL80, TS84a]. **Implementing** [SP88, TP87, YS89]. **Implicants** [MS86]. **Implicating** [DMY85]. **Implications** [VSHM82, ALL89]. **Implicit** [Goe81, Ulm83]. **Implicit-Explicit** [Ulm83]. **implied** [KM89a]. **Importance** [HCMP89]. **Impossible** [BG86a]. **Improve** [KC86, EA89a]. **Improved** [BD80, CE87, HL82, Kri84, KT89a, Lak84, PS85a, Dor88]. **Improvement** [CL84, Kan81, MA82]. **Improving** [Ano81y, Gla80, PH86, Sri87]. **incentive** [San88b]. **Incomplete** [Kat88, KK88]. **Incompletely** [Yam80]. **Incorporate** [KK84b]. **Incorporating** [BE87, FTT⁺80]. **increases** [Coa88]. **Incremental** [Smi89b]. **Independent** [Ano81z, Ano81-27, BH81, DHR80, Jia86, RTY⁺88]. **Index** [Ano80b, Ano81a, Ano82a, Ano83a, Ano84a, Ano86b, Ano87a]. **Indexed** [Bes83]. **Indication** [NK87b, Gai88c]. **Indicator** [Gai85b]. **Inductive** [PS83b]. **Industrial** [ACD82]. **Inequalities** [Sam80]. **Inertial** [BJ83]. **Influence** [MW88, RT86, RAP87]. **Influences** [SS85b]. **Information** [Agr81, Ano80-45, Ano82-54, Ano82-55, Ano83j, Ano83-32, Ano83-33, Ano83-34, Ano83-35, Ano84u, Ano84v, Ano84w, Ano84x, Ano84y, Ano84z, Ano84-27, Ano84-28, Ano84-29, Ano85p, Ano85q, Ano85r, Ano85s, Ano85t, Ano85u, Ano85v, Ano85w, Ano86u, Ano86v, Ano86w, Ano86x, Ano86y, Ano86z, Ano86-27, Ano86-28, Ano86-29, Ano86-30, Ano86-31, Ano87p, Ano87q, Ano87r, Ano87s, Ano87t, Ano87u, Ano87v, CA80, GF87, Her87, KS83a, MK83a, VSHM82, VHD82]. **Inherent** [Owe83]. **Innovation** [Ano82-56, Ano82-57]. **Input** [ASHK86, Gna83, Kar83, KS80a, LL81, Sas84, Sip82, YN83, Dad89, Max88]. **Input/Output** [ASHK86, Kar83]. **Inputs** [Bha83b, Cha87a, HML84, Kuo87, Pra83,

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KM87, KP87, MBCG83, MP89c, Niz83, PS87, RE80, SL88b, Wei82, DT89, HIT88, SL89, WS88]. **Models** [Bra83b, CG87, DLM86, DG89, GCV80, Gav87, HT82, HT83, IDH86, KBB86, Li87, MG82, MAS84, SS85a, SGT86, Sny81, SD87, TB86, Tow86, BBG88, GZ88, KM89b, RN88, SS89b]. **Modern** [Lin82]. **Modification** [Mar81, Sto80b]. **Modified** [Car88, Don84, NH88, TS88a]. **Modified-mesh** [Car88]. **Modular** [Abr82, ABT82, AGL⁺80, BK87, BS88, CAV86, FW88, HA86, JK80, KH80, Obe80, RV84, Sal80, SLJ88, Van86, VH84, PNH88]. **Module** [CH82a, NKY⁺80, SD80, Wal88]. **Modules** [FYK87, SGA81, ST87, WF80a, RMC88]. **Moduli** [GMG84]. **Modulo** [Bla83, Jul80, RY82, Slo85, WH88]. **Modulo-** [RY82]. **modulus** [SK89]. **moments** [dM88]. **Monitoring** [SS87]. **monotone** [CHRR89]. **MOS** [Ano85d, CV84, Ram86b, Bry84, CL80, DB87, EZS82, GCV80, JA85, NC88a, Ram86a, SOH⁺81, TS84a, TS88b]. **Most** [Dah86]. **Movable** [GCW83]. **Move** [Len85, TL80]. **Movements** [Fla82]. **Moving** [Mos87]. **MP** [AG82, CS86b]. **MP/C** [AG82]. **MPG** [Ano81-27, BH81]. **MRU** [SR88c]. **MSF** [AS87b]. **MTEC** [EHS80]. **Muller** [DK89, FTY87, Pag80]. **multi** [Pro89]. **multi-hop** [Pro89]. **Multiaccess** [BW89b, DJ88, WJ85]. **Multibus** [LVF83]. **Multicache** [YYF85]. **multicast** [Gai89]. **Multicomputer** [AL82, BS86, IBM82, KK87, KK85, ST87, WM84, BF89, GM88a, KK88]. **Multicomputers** [NM87, VW84, RS88a]. **Multicopy** [Lee80]. **Multicriteria** [IPM82]. **Multidimensional** [CF80b, GS87, KS83a, Vai84, Vai86, Vai89, Ata88, PKP89]. **Multigrid** [CS86a]. **Multihop** [CP87b, CK87, CS89]. **Multilanguage** [BF88]. **Multilevel** [GT82, Kar87, Sil82, Sta81]. **multimegabit** [JP88]. **Multimicrocomputer** [RS83b, Ree84, WL81]. **Multimicroprocessor** [SLS82, SMN82]. **multimodule** [SL88b]. **multinode** [MI89]. **Multipipeline** [HX88, Sah84]. **multipipelines** [GZR89]. **Multiple** [AB80, AKT86, Aga80, AF81, Ano80a, Ano83q, Ano83b, BA86, BS87a, Bra83b, Cha87a, Cha80, CD86, CP87a, CF80a, Coy80, Cur80b, Cve87, Dav86, FT84, Hay86b, Hur84, HN80, IO84, Jha88, KT81, Kuo87, LVA82, LJ87, LM86, Mar84, MG82, Mor86, MR86, RT85, RS85, RAP87, RG85, SKF83, San89, Sas81, Sas85, SGA81, SD80, Tow86, VZ81, Van86, VSH89, WOH84, WW83, YPD83, Aky89, BB89a, BGY89, CMB88, Dub88, FW88, KK89, KP88, Max88, MG88, MAS85, RB89a, Sas89, SD89b, Tys88, YZ88]. **Multiple-** [VZ81]. **Multiple-Access** [RG85, MG88]. **Multiple-Bit** [Van86, VSH89]. **Multiple-Bus** [IO84, LVA82, LJ87, CMB88, KK89, MAS85, YZ88]. **multiple-disk** [RB89a]. **multiple-input** [Max88]. **Multiple-Output** [Dav86]. **Multiple-Processor** [BS87a, Cve87]. **Multiple-Read** [Cha80]. **Multiple-Stream** [YPD83]. **Multiple-Valued** [Ano80a, Ano83b, Cha87a, Hay86b, Hur84, KT81, Kuo87, Mor86, MR86, Sas81, Sas85, SGA81, WW83, BB89a, Sas89]. **multiple-values** [FW88]. **Multiple-way** [San89]. **Multiplexed** [NJM83]. **Multiplexers** [Pal86]. **Multiplexing** [Cli80b]. **Multiplication** [BD80, Jul80, LR80, MPPZ88, Mel87, Moh85, Nak86, RV84, Tsa81, VRF84, VR86, BS88, Fam88, JK89, Pin89, SS89c, TYY85, VR89b]. **Multiplications** [VSH89, WTS⁺85]. **Multiplicative** [TKL86]. **Multiplier** [BVH83, Gna83, Gna85, HRT⁺84, Joh80, MBH89, Pre83, RS86b, SRO84, STR87, Sip82, SR82, TY87, TH82, Tay82, Tay83, wu87b, FM89, NC88a, Smi89a, Zho88]. **Multiplier/shifter** [MBH89]. **Multipliers**

[MSV80, SF84, YRT84, Che88b, Dad89, HTDR88, Wan89]. **Multiply** [PF83, ZG87]. **Multipoint** [SMV87]. **multiprecision** [Sco89]. **Multiprocessed** [LAS87]. **Multiprocessing** [BDL83, WBA83]. **Multiprocessor** [AG82, BIO82, BYH87, BDW86, BD83, BBB⁺82, CS86a, CS87, CN82, DSK87, DS87, Dem82, Dim85, GS81, HV87, HZ81, IO84, Jen81, KK84b, KN84, KA87, LS84, LW86b, LC87a, MBC82, MG82, MBCG83, Pra85b, Pra86a, Sah84, SSB87, SR87, Sig82, SSF80, SB83, SWK84, Tow86, Weg80, YH86, YPD82, Agr88, AJ89, BBW88, BM89, CMB88, CC89, DSH89, Fuk88, GZ88, HTK89, LW88, LW89, RTY⁺88, SP89, TSS88, WG88, YBL89]. **Multiprocessor-Based** [LC87a]. **Multiprocessor/Computer** [AG82]. **Multiprocessors** [ASHK86, BB87a, CH84, Du85, DB82, KS83b, LVA82, Lun87, PKL80, Pat81, Pat82, RV86, SSS⁺83, Smi85, Wah84, YTL87, AP89, ALL89, BL89, Dub88, FM88, JW89b, PC89, SV88, SD89a, VSSG88, WS88]. **Multiprogrammed** [CS80a]. **Multiserver** [MK83b]. **Multistage** [Agr83, AL85, BT89, FW81, KS83b, KSW88, LSD⁺89, PL83a, PN85, PK80, SH87, WF80b, AKS88, tCpS88, Che88c, GM88a, GM89, KR89b, Lee89b, VR89a]. **Multistep** [Lee89a]. **Multiterm** [Bur84, Bur82]. **Multiterminal** [GL86]. **Multithreshold** [BZV86]. **Multitrunk** [CG87]. **Multivalued** [BZV86, CD86, Eti80, Mar86, PA81, Por82, RS86a, Ric86, Smi81a, Zhi84]. **Multiversion** [Her87]. **Multiway** [KB85]. **mutual** [Sin89]. **MVA** [Lam83]. **MVL** [Bes86]. **MVS** [Kob86, VI84].

n [BL84, DM84]. **N**. [Smi89a]. **NAND** [LM87a]. **Native** [UT87]. **NBS** [Ame82]. **NC** [CI88]. **Near** [GH83a, UT87, LD89]. **Near-Native** [UT87]. **near-optimal** [LD89]. **Near-Perfect** [GH83a]. **Nearest** [Chu85, Lee82, SE87]. **Nearest-Neighbor** [SE87]. **Negabinary** [Agr80, Yue80]. **Negabinary-Binary** [Agr80]. **Negative** [KM81]. **Neighbor** [Chu85, Lee82, SE87]. **nested** [PK88]. **Net** [SYK89, Smi80b, Smi81b]. **Nets** [GL86, Mol82b, BBG88, LM88b, SL89]. **Network** [AS82a, AS82b, Ame82, AL81, AL82, AS87b, BA84a, BP85, Bon83b, CP87b, CS86c, DLM86, EHM80, GF87, HT82, HZ81, II81, KM87, LSSS85, LL83, Lea86, Lee87, MS82, NS81, NS82b, Niz83, Niz84b, Niz84a, PR84, Pra83, Pra85a, Pra85b, Rud85, SS80, SSB87, Sez87, Ste83, TB86, WK81, WV80, WI84, WA85b, WF80c, WL81, WF81, WFL82, YL81, AP89, BP89, Ban88, BD89, Bil89, BT89, GM88a, HP89, KPR88, KR89b, LL88, LH88, LY89, LM89, LHC89, PL88, Pro88, Ram89, RS88b, SP89, San89, SR81a, Tys88, WJ85]. **network-based** [GM88a]. **networking** [HN88, HX88]. **Networks** [Agr83, AL85, Aky87, Ama83, BW89b, BG86a, BA83, Bhu85, BS87a, BR86, Bra86, BS87b, CCSW85, CH82a, CV83, CV84, CH84, CG87, CK87, CS80b, CFH81, CHL83, CM87b, DS87, DR85, DHS85, DJ81, DK82, Dot84, DHH85, EZS82, EH85, FW81, FT84, FYAV87, FF82, Fra81, FWT82, FH84, FJ88, GC87, Gel81, GFM83, GW81, GH80a, GH80b, Har86, Haw85, HO81, HT86, HC87, Hwa87, IKT81, IM87, IK82b, IO83, JLS80, JK80, Kam87, Kar87, KK87, KK80b, Kri84, KS83b, KSW88, Kub82, KDJ85, KJ86, LM82a, LM87a, Lam80, LL81, Lee85b, Lei85b, LC87a, LS89d, LHPW85, LM86, MM83a, Maz87, Mel87, MM83b, MM84, Nak87, NMB83, NM87, OS82, Obe80, Oru84, OOB85, OO87, PL83a, Par80, PN85, PK80, RGA85, RV86, RK86, RS83b, Ree84].

Networks [Rhy84, RG85, SW84, SL87, SS84, SH84, Sie80, Sie81, Sie85a, Sin88a, SB85, Sri87, SH87, TN81, Top89, TV82, Uhr82, Val83, Von83, WC84, WF83, Wit81, WF80b, YA87,

YH86, YH84, YGZ⁺87, AA88, AKS88, AK89, Aky89, BBG88, BGY89, Bil89, BN88, CG88, CH89, tCpS88, CL88, Che88c, CM89, CS89, CdL89, DK89, DD88b, Esf89, GH88, GM89, GM88b, HT88, JS88, JA88, JW89b, KHS88, KK89, KP88, LS88a, Lee89b, LSD⁺89, MI89, MKLC89, Pro89, Ram88, RN88, RK89, San88a, San88b, Ski88, Sri89, TS88a, TYZ88, VR89a, WB88, dM88, Ano82d]. **Neumann** [BE87]. **Ninth** [Ano82-60]. **NMOS** [FTT⁺80, THH80]. **no** [RM86]. **Nodal** [Niz83]. **Node** [EHM80, OK83]. **Nodes** [CP87b, GFM83, GF87]. **Noisy** [IM87]. **Non** [BB87a]. **Non-Uniform** [BB87a]. **Nonbinary** [Dao81, SOA85]. **nondeterminism** [Par89]. **nonequivalent** [AKS88]. **Nonfault** [Kre87]. **Nonlinear** [SSVV81, VSV81]. **Nonminimality** [Coy80]. **Nonnumeric** [BIO82]. **nonrectangular** [Che88c]. **Nonrepairable** [FM84]. **Nonrestoring** [Bus83]. **Nonuniform** [LP81, CMB88, Jou89]. **NOR** [LM87a]. **normal** [HTDR88, Wan89]. **Normalization** [ZB87, cLW88]. **Note** [Jou86, Mar85, NK87a, CCF89, CH89, Par89]. **Notes** [Par80]. **Notice** [Ano80-27, Ano80-28, Ano81-28, Ano82y, Ano82z, Ano82-27, Ano83o, Ano83p, Ano84g, Ano85e, Ano85f, Ano86e, Ano86f, Ano86g, Ano87e, Ano87f, Fen84b, Fen84a]. **Novel** [Bha83b, Bos88]. **NP** [NMN89]. **NP-complete** [NMN89]. **Number** [AS82b, CSR86, DDG80, DLM86, GMG84, Hua83, HML84, IK82a, Jen83, Jul80, Kod81, KM81, LM87a, Mar85, MK85, MP83c, OA83, Ram83, SM83, STR87, TGJR88, TRYS83, TCH⁺86, WG80, GM89, HMC89, RB88, WLC89]. **Numbers** [Fro83, Ger82, KM83b, STR87, Ulm83, Dad89, Par88]. **Numerical** [GV84, Kar81, SB85, Tsa83, GT88]. **NYU** [GGK⁺83].

O [KB85, LY83, PW81, RB89a, Sto89, WSR84, XS85]. **Object** [Fra83, RB89b]. **Object-Oriented** [RB89b]. **Objects** [SGB87, BR88]. **Observability** [Sav83a]. **Observations** [Mur81]. **Obstacles** [WWSW87]. **Obtaining** [MI85, RI89]. **OCR** [RJ80]. **Odd** [DDG80, Kan84, KH83, SOA85]. **Odd-Even** [KH83]. **Odd-Valued** [DDG80]. **Odd-Weight-Column** [Kan84]. **ODE** [BAR87]. **Office** [NWLP82]. **omega** [Bil89, Ste83]. **On-Chip** [KS86a, LCW81, Maz87]. **On-Line** [IO83, OE82, Owe83, RB83b, Sam80, Sto80b, TY87, ZB87, WE83]. **On-the-fly** [EL87]. **One** [AC84, CIP87, HCMP89, SKW88]. **One-Dimensional** [AC84, HCMP89, SKW88]. **One-Way** [CIP87]. **Only** [Dav80b, GK83, Sie85b]. **onto** [FYK87, SE87]. **Open** [CPG83, RR86, Jha88]. **Operands** [BVH83, PF82]. **Operating** [Ano87c, VI84, WV80]. **Operation** [GKS87]. **Operational** [DG86]. **Operations** [CP82a, Gue86, HA84, RFLS86, ST87, BF89, Ble89, NH88, SR88c, ZMC89]. **optic** [GC89]. **Optical** [Lei84, MP83c]. **Optimal** [Agg86, AS87a, Ary85, AH86, AT81, BPV83, BW80, BBP88, BP84, BP82, CA80, CW83, CH82b, CH83, DV87, Fam87, GT82, GCW83, GK85, KP80a, KLL87, Lau81, LS82a, LW85, MTMA85, MK83a, Man85, MB80, MD86, MG86, NS82a, Oik87, Pal86, Pap83, PTT81, Pre83, PL84, RW81b, RM86, Rub81, ST85, SLL87, Sin88a, Sri83, Sto89, TS86b, UV81, VR86, VR89b, WHT84, YKL88, Zak85, BP89, Bec88, FM89, KS89, LM88a, LD89, Sas89, SSS89, SW89]. **Optimality** [Val83]. **Optimally** [SSB87]. **Optimization** [AL85, ACGT84, CS80a, FYAV87, Gav87, HN80, KT85, PS83a, Sas84, Sil83, Tha82, TTT81, TTK86, YH84, BS89c, HS88, RI89]. **optimizations** [Pol88]. **Optimized** [TS88b]. **Optimizing** [BS83, Hoc83]. **Optimum** [HO81, JH89, Rob83, TR88]. **OR-parallel**

[Cra85]. **Order** [CE87, HP87, ZMC89]. **Ordered** [Fet80, WV87, LD88]. **Ordering** [Li87]. **Orderly** [KL82]. **Ordinary** [BR83a]. **Organization** [CP87b, LVF83, Soh89]. **Organizations** [MWM80, SG85a]. **Organized** [Dao81, DV83, Dun85]. **Oriented** [Abr82, Che86a, LF87, RB89b]. **Orrery** [ADG⁺85]. **Orthogonal** [NMB83, HTK89]. **Orthogonally** [MT87]. **Other** [O’L87, VS86b, Von83]. **our** [Ano80d, Ano80e, Ano80f]. **Out-of-Order** [HP87]. **Outcomes** [SS86]. **Outerplanar** [FJ88]. **Output** [ASHK86, Cur80a, Dav86, Gna83, Kar83, KS80a, Oik87, SD86b, Sas84, Sip82, YN83]. **Outputs** [Bha83b]. **Overflow** [Tay83]. **Overflow-Free** [Tay83]. **Overhead** [BNM86, JH80, Kha84, TAF87, CBAP89]. **overlap** [PP88]. **Overlapped** [VSH89]. **Overview** [Sie81].

P [VS86b]. **Package** [VRP83]. **Packet** [BCA80, CH84, CS80b, Gel81, GW81, KDJ85, Lam80, LL81, LC87a, LS89d, LHPW85, RG85, Tas83, CS89, Pro88, Pro89, YBL89]. **Packet-Switched** [KDJ85, YBL89]. **Packet-Switching** [GW81]. **Packing** [Cha83b]. **page** [SD89a]. **paged** [RTY⁺88]. **Paging** [ASKL81, BF83]. **Pair** [Har86]. **Pair-Wise** [Har86]. **Pairwise** [DD88a, Sor85]. **Papers** [Ano80l, Ano80x, Ano80m, Ano80n, Ano80o, Ano80p, Ano80q, Ano80r, Ano80s, Ano80u, Ano80v, Ano80w, Ano81t, Ano81r, Ano81s, Ano81u, Ano81v, Ano81e, Ano81f, Ano81g, Ano81h, Ano81i, Ano81j, Ano81k, Ano81l, Ano81m, Ano81n, Ano81o, Ano81p, Ano81q, Ano82x, Ano82u, Ano82v, Ano82w, Ano82k, Ano82l, Ano82m, Ano82n, Ano82o, Ano82p, Ano82q, Ano82r, Ano82s, Ano82t, Ano83j, Ano83k, Ano83d, Ano83e, Ano83f, Ano83g, Ano83h, Ano83i, Ano84d, Ano84e, Ano85b, Ano85a, Ano86c, Ano86d, Ano87c, Ano87d, Ano87b, Ano80t]. **paradigm** [SW89]. **Parallel** [AS87a, Ano82b, Ano82c, Ano82-58, Ano86c, APD83, BM86a, Bat80, Bat82, BAR87, BK82, BD83, BE87, Can83, CIP87, CT84b, Cur80c, Dad80, Dan84, DS83, DC81b, DC82, Ebe87, ED83, Gaj80, Gaj81, GV84, Gar80, GLS82, Gna85, GGK⁺83, GK85, HJ87, HT82, HL82, HNS84, Hla86, Hoc83, HP89, HZ83, HMC89, Hua83, HN80, HG87, IC82, JK82, Kar84a, KN84, Kru83, KH83, LMC87, LA87, Lei85a, LW86a, MP89a, MA86, MTG⁺85, MI85, ML82, NS81, NS82b, NMB83, Nil84, OJ85, PL83b, PS85b, PK87, RB80, SM83, SS89b, SJ84, Sie81, SSF82, SBGS86, Sip82, Sip84, Sri83, Sta87, TB86, TRY83, TLR83, Tsi86, TS84b, Van80, VS86b, WK80, Wan81, Wei82, Wen85, WOH84, WvL85, WH80b, WD84, YA87, YTY82, wu87b, ACGK88]. **parallel** [Ban88, BRG89, BF88, Ble89, Bok88, Bos88, Car88, Che88b, Cra85, DD88a, EZL89, FL88, Fis88, FM88, HTK89, JAM88, LP89, MS88b, NC88a, NT88, NS88, Par89, PKP89, RJ89, SP89, SS89c, YJ89]. **Parallel-Pipeline** [TLR83, WD84]. **Parallel-Pipelined** [BD83]. **parallel/pipelined** [BRG89]. **Parallelism** [FH80, HTOS80, NF84, PB87, WS82b, Wor81, Zak84, AJ88, Jou89, Kum88, Pol88, PKP89]. **Parallelization** [NS87]. **Parity** [CH85a, FMM84, HO81, KM84a, LM87a, Met83, BS89b]. **Parsers** [TF82]. **Parsing** [CIP87]. **Part** [DF84, SSVV81, VSV81]. **Partial** [Fam87, GLS82, HQR89]. **partially** [JW89a]. **Partition** [SBK85]. **Partition-Tolerant** [SBK85]. **Partitionable** [BS86, LW86b, SSK⁺81, LW88]. **Partitioned** [HC82, JL85]. **Partitioning** [AJ88, BB87a, Bok88, CM89, Cve87, Fam87, FWT82, Kri84, Kri87, Mar86, MF86, Sie80, WC84, PC89, San89]. **Partitionings** [RAP87]. **PASM** [SSK⁺81, TS86b]. **passing** [Len88, RN88]. **Passive** [OK83]. **Path** [Abr82, AL85, DB87, GC89, HR87, KLL87, PL83a, RV86, BP89, RI89]. **Path-Oriented**

- [Abr82]. **Paths**
 [Bra86, Bra83b, Che82a, Kan85, Lak84, SBGS86, WWSW87, CH89, WLC89].
- Pattern**
 [Ano81r, BFHW82, CP82b, DB87, Fu80, Hay80, SK85, SDB84, SB84, SN81, SSK⁺81, SR80, TW83, TC84, Tri82, WBA83, Che88a, DFC89, GNH88, MP89a, SM88, dJvdG88].
- Pattern-Sensitive**
 [Hay80, SN81, SR80, MP89a]. **Patterns**
 [BCR83, CS85, HO81]. **PDP** [LGH80].
- PDP-11** [LGH80]. **Perfect** [GH83a, HT88].
- perfect-shuffle** [HT88]. **Performability**
 [FM84, GT87, IDH86, Mey80, MFW80, Mey82, STR88]. **Performable**
 [AS82b, GM89]. **Performance**
 [AP89, ASKL81, AKT86, AAG⁺87, Ano83q, BSV83, BA83, BP84, BM89, tCpS88, CL88, Che88c, CG87, CLP81, Cve87, De 82b, De 83, Du85, ES80, ED87, Fra81, FHH⁺83, GS89, GT80, GKS87, HJ87, HL84, HV87, HIT88, HP87, IO84, JH80, Kam87, KY89, KC86, KP87, KS83b, KJ86, KB85, Lam80, LMO84, LF80, Li87, LC87a, LHPW85, Mar84, MBC82, Mol82b, Niz84b, Niz84a, NS87, PH86, PL83b, Pat81, PGR86, Pra86b, RS83b, Ree84, RAP87, SL84, SC87, SRO84, SB83, SS81, Sri87, SD87, Tas83, UT87, VSSG88, WS88, YH84, ALL89, BL89, CMB88, EA89a, Gai89, GH88, GZ88, HTT89, JP88, Jou89, KHS88, KP88, KR89b, LPI88, Lee89b, MAS85, Soh89, WH88, YZ88, Zwa85].
- Performance-measurement** [BM89].
- Performing** [RW84]. **Periodic** [WvL85].
- Periodically** [Can83, Nil84, Wen85].
- Peripheral** [FTT⁺80]. **permissible**
 [MKLC89]. **Permutation**
 [HT86, Kub82, Lee85b, NS81, NS82b, OO87, Sie80, SH87, OT89, Sri89]. **Permutations**
 [AS82b, NS82a, RK86, YL81, GM89, USM89].
- Permuting** [CM85, CM89]. **Personal**
 [CLP81, LMO84]. **personalized** [JH89].
- Perspective** [Sta84]. **Petri**
 [BBG88, LM88b, Mol82b, SL89]. **PFFT**
 [Ano84f, CVY83]. **Phase**
 [Hoc87, KSB85, Sas84, Val83, ED88, SKW88].
- Phase-Locked** [KSB85]. **Phenomenon**
 [RT86]. **Physical** [GCV80, WWS84, DG89].
- PICAP** [AGH⁺82]. **PICCOLO** [YK82].
- Picture** [YK82]. **Piecewise** [RM83]. **Pin**
 [FWT82]. **Ping** [SC87]. **Ping-Pong-Type**
 [SC87]. **Pipeline**
 [Ano81y, ED87, Gla80, GM87, Pat80, STD⁺85, TLR83, WD84, Bok88, MG88, SR88a, SGI89, TRH⁺88, Tys88].
- Pipelined**
 [AJ82, Ano84f, BD83, BJS80, CVY83, Cur80c, Gaj81, HI80, RW81b, VZ81, WS84, BRG89, SGI89, SP88].
- pipelined-memory**
 [SGI89]. **Pipelines** [NH85]. **Pipelining**
 [JMKN86, Jen81]. **pipes** [Zwa85]. **Pivoting**
 [Sor85, HQR89]. **Pixels** [RS85].
- PLA**
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- Placement**
 [NKY⁺80]. **Planar** [CW83, McC81]. **Plane**
 [Lee82]. **Planned**
 [Ano81-39, Ano81-40, Ano81-42, Ano81-43, Ano82-47, Ano82-48, Ano82-49, Ano82-50, Ano82-51, Ano82-52, Ano82-53, Ano83-31].
- Planning** [LP83]. **PLA's** [CHRR89, BB89a, ML88, RB88, Sas89, HR88].
- Plural** [UT87].
- PM221** [LY89]. **PM2I** [SS84]. **PMC**
 [KM89a]. **PN** [Mor80, Wus81]. **Point**
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- Point-to-Point**
 [SW84]. **Points** [Von83, WG80]. **Poisson**
 [Hoc83, Sha81]. **Policies**
 [BK87, SG85a, Sto89]. **Policy**
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 [CW83, LS82a]. **Polylogic** [Por80].
- Polymorphic** [LM89, LW86b].
- Polymorphic-torus** [LM89]. **Polynomial**
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- Poolpo** [KK84c]. **Portion** [SOH⁺81]. **ports**
 [WB88]. **Positive** [KM81]. **Power**
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- [AM87, VSH89, LP89]. **Proofs** [Sam80]. **propagating** [NK88b]. **Propagation** [HC86, SMV87, SL88b]. **Properties** [CM85, CF80b, KM86, KF80, PTC86, RS86a, SS88a, Ste83, CM89, KM89a]. **Proposed** [Mar85, Veg84]. **Prospects** [Smi81a]. **protect** [Gef73]. **protected** [BGM88]. **Protection** [BS82, Met82, Sny81, Van86]. **Protocol** [CHL83, GFM83, GF87, Hol82b, KT85, Lam80, RG85, Smi81b, TRTN89, YH84, KP88, Smi80b]. **Protocols** [Her87, Hof85, LS89a, RE80, RW82, TV82, Coa88, Gui89, LCS89, SD89b, YBL89]. **Prototype** [MC86]. **Provably** [SGT86]. **Providing** [Van86]. **Proving** [KW85, ST86a, WW83, KSW89, PL88, VZMBH89]. **PROWAY** [CFM⁺86]. **Pseudo** [Hay86a]. **Pseudo-Boolean** [Hay86a]. **Pseudoexhaustive** [GNH88, McC84, WM86, HR88]. **Pseudoparallel** [AJ82]. **Pseudorandom** [BM86b, CM87a, WCM87]. **Publications** [Ano80-32, Ano80-33, Ano80-34, Ano80-35, Ano80-36, Ano80-37, Ano80-38, Ano80-39, Ano80-40, Ano80-41, Ano80-42, Ano80-43, Ano80-44, Ano81-29, Ano81-30, Ano81-31, Ano81-32, Ano81-33, Ano81-34, Ano81-35, Ano81-36, Ano81-37, Ano81-38, Ano82-33, Ano82-34, Ano82-35, Ano82-36, Ano82-37, Ano82-38, Ano82-39, Ano82-40, Ano82-41, Ano82-42, Ano82-43, Ano82-44, Ano83s, Ano83t, Ano83u, Ano83v, Ano83w, Ano83x, Ano83y, Ano83z, Ano83-27, Ano83-28, Ano83-29, Ano84h, Ano84i, Ano84j, Ano84k, Ano84l, Ano84m, Ano84n, Ano84o, Ano84p, Ano85g, Ano85h, Ano85i, Ano85j, Ano85k, Ano85l, Ano85m, Ano85n, Ano86h, Ano86i, Ano86j, Ano86k, Ano86l, Ano86m, Ano86n, Ano86o, Ano86p, Ano86q, Ano86r, Ano87g, Ano87h, Ano87i, Ano87j, Ano87k, Ano87l, Ano87m]. **PUMPS** [BFHW82]. **Purpose** [HFPS82, Liu84b, SL80, SLS82, Wai88]. **pyramids** [MS88c].
- Q** [RMCF88]. **Q-modules** [RMCF88]. **Quadratic** [STR87, TCH⁺86]. **Quadratic-Polynomial** [STR87]. **Quality** [Sav83b]. **Quantitative** [GJ80, OA83, SD87]. **Quantization** [Niz83]. **Quarter** [Joh80]. **Quasi** [IM87, Tam80]. **Quasi-Cut-Through** [IM87]. **Quasi-Stable** [Tam80]. **Quaternary** [Cur80c, Dao81, MC86]. **Queries** [Che82c, YGZ⁺87]. **Query** [CL84, CH82b, CH83]. **queue** [KA89, dM88]. **Queueing** [Aky87, CFH81, DLM86, Har86, HT82, HT83, Lee80, Niz83, SS80, Sri87, TB86, Aky89, BBG88, CdL89, SW89, dM88]. **queues** [NK88a, NT88]. **Quick** [KS86b]. **Quicksort** [Weg85]. **Quotient** [FF82].
- R** [Smi89a, Lam80, Tas83]. **R-ALOHA** [Lam80, Tas83]. **Race** [Ram86a, Ram86b]. **Rademacher** [HS84]. **Radio** [CP87b, CK87, CS89, Pro88, Pro89]. **Radix** [Arm80, Bus83, CSR86, GH83a, HGS83a, Hua83, Jes80a, KM81, SOA85, TPSS85]. **Radix-** [GH83a, HGS83a, TPSS85]. **Rail** [Kha82, TY87]. **Railroad** [SMN82]. **RAM** [FH86, Reg88, SK85, dJvdG88]. **RAMs** [DFC89, JP88]. **Random** [DTF80, DFC89, Feu82, Mar85, PS85a, Sav83b, SDB84, SB84, SM88, SN81, Sha81, SOH⁺81, SR80, SR81b, TV82, VR83, FGPT89, FHG88, HMC89, MP89a, MW88]. **Random-Access** [SR80, MP89a]. **randomized** [JAM88]. **Range** [Jou86]. **Ranges** [SW82]. **ranked** [ZMC89]. **Ranking** [Zak85]. **Rapid** [IS84]. **Raster** [CH85a]. **Rate** [Cur80a, MSV80, TS86b, ZW87, San88a, San88b, TSM88]. **Rate-Multipliers** [MSV80]. **Rates** [Iye84]. **ratio** [Thi89]. **Rational** [Fro83, KM84b, MK85, KM83a]. **Rationals** [Kri83]. **Ratios** [Sil82]. **Reach** [Ano80d, Ano80e, Ano80f]. **Read** [Cha80, Dav80b, GK83, SS82]. **Read-Only** [Dav80b, GK83]. **Read/Write** [SS82]. **Real**

[AJ82, Ano86d, Ano87z, ABT82, ACD82, CL87, CMM87, Ger82, KO87, KSB87, KC87b, MLB87, PS87, SGB87, Shi87, SLL87, SC89, SMN82, VM87b, WFL82, HTT89, HIT88, KW89, SRC85, Sta89, WS88].

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Weglarz:1982:AR

Wold:1984:PPP

Wegner:1985:QEK

Watanuki:1983:EAC

Weissberger:1980:LII

Weglarz:1980:MSM

Weide:1982:MUB

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[WF80b]

Weihl:1988:CBC

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