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(k, K) [NC03]. (m, k) [JS09]. $(S_tb/EC - S_bED)$ [UF03]. (t, k) [AS03c, CCC07]. $(t; k)$ [CCC06]. 1 [EVDN05, Tze04]. 1/2 [HT00]. 2 [AVZ08, Biq05, Cha06, LS09b, MYL+01, TP02b, Wu03]. 2^k [FFLTM09]. 2^m [AQ08]. $2^n + 1$ [EVN04a, VEN02, EVDN05]. $2^n - (2^{n-2} + 1)$ [PBB07]. $2^n - 1$ [EVN04b, KNE+00, PB07b]. $2^n \pm 1$ [EVN03]. 3 [AVZ08, CMD05, GT06, KPDS01, LA05, LLP09, NKY08, PLK+03, PL09b, TK00]. 4 [KK09, LA03a]. >= 4 [FDBS05b]. ^{2} [Gho01]. ^{4} [OMM02]. $_p$ [LJ01]. $C + AB^2$ [WG00]. ηT [BBD+08b]. $F(2^m)$ [NWA07]. $F(2^n)$ [Gol02]. $GF(2^m)$ [CCL+09, CHC05, PDS07, RMH04]. IF_2 [CO09]. k [BB03a, CDLS06, IO03, KYY+03, KNS01, SAOKM01]. log_3P [CGS07]. $\log_n$ P [CGS07]. M [KF04, MT06, MBCP07]. $m(\geq 2)$ [EB09]. GF(2^k) [Sun04]. GF(2^m) [AP00, BBGM08, Cil09, DH05, EL02, FH06, GMQS02, HRM09, HW00, KWP06, LLL01, LHJL05, RMPJ08, RMH02, RHMLL08, TYT01, WG00, WWSH04, YS03]. GF(2^n) [ADMRK02, FD05, KOL02, SBPV07]. GF(q^n) [GS03]. n [BB03a, IO03, KYY+03, KNS01, PR04b, SAOKM01, Tze04]. $N \times N$ [Sue09]. $O(\log n)$ [LS04c, SK04]. t [AB00, BET07, CLTH04]. t/k [FL05]. Z_m [BET07].

-approximating [CDLS06]. **-ary** [BB03a, EB09, IO03, KYY+03, KNS01, MT06, SAOKM01, KF04]. **-color** [TP02b]. **-connected** [CLTH04]. **-cube**

[Saa04].

I-Cache [CS08b]. **I/O** [KV02, LSV00, OM04, SD06, TP02a]. **IC** [BGL+03, SAKR03]. **identical** [Bar04, KC01, SCZ01]. **Identification** [YT07]. **Identifying** [HBF09, Ste02, CHL01]. **IEC** [YRVS09]. **IEEE** [Ano04f, Ano04g, Ano04h, Ano06f, Ano06h, Ano06g, Ano07a, Ano07k, Ano07l, Ano07m, Ano09g, Ano09f, CHA+09b, DGZA03, ES00, EP00, LLP09, LLC03, NMLE00, NH06, Pra06b, Raj00, SE04]. **II** [BC01b, FDBS05b, SK01]. **ILP** [CN05, LY01, RLJ+09]. **ILP-based** [CN05]. **Image** [KOA07, WWH+07, MKS03]. **images** [TP02b]. **immune** [YKLM03]. **Immunet** [PGVB08]. **Impact** [BGH07, HY08, LG09, KBK03, MS03, MKAP05]. **implement** [LJ01]. **Implementation** [ACPP08, CHA+09b, DT05, DJJ+08, Gir06, LCLV08, Lee12, LMV+08, SKJ07, YRVS09, ZSXZ07, AS03a, AS03b, BI04, BBK+03, Che04, CNM+02, EGP03, HW00, LFA04, MKS03, Ngu05, PRO03, SM03, SE04, SLZ05a, YW06, YS01, ZS00]. **implementations** [BO05, RSQL03, SST05, SK02, VLG06]. **implemented** [ACK+03, TGKL03]. **Implementing** [EFX+04, LCCA02, TPB+08, MKBG00]. **Implications** [LJ05, MDM04, MK07, RVJ+01]. **importance** [CAK04]. **imprecise** [AHS06]. **Improve** [FFJ+06, LX09, LF09, SAT09, XCF07, JZ05, PR02b, WH03, Zha05]. **Improved** [ACMM07, CO09, HCK09, NBAR08, NKSG09, LMM03]. **Improvement** [DZ06]. **improves** [ML00]. **Improving** [EIM+00, JK09, LJS+07, MR06a, MH01, PG01, SCG08, SXWL04, TTC09, XLN05, YGZ05, YLH05, WTL04]. **Impulse** [ZFP+01]. **In-line** [JJ06]. **In-Memory** [WYZ08]. **in-order** [BSN+06]. **in-transit** [FLM+03]. **Incompleteness** [FFP07]. **inconsistent** [Gho01]. **Incorporates** [KC07a]. **Incorporating** [KK00a, SMN07]. **increase** [KGMS00, LLVA01]. **increasing** [PR02b]. **Incremental** [LOP07, ACCL06, MAMMA03, SSS05]. **Independency** [BP09]. **Independent** [PY09, RK07]. **independently** [Had05]. **Index** [Ano00b, Ano00d, Ano01b, Ano01d, Ano02a, Ano02c, Ano04b, Ano05a, Ano06b, Ano08a]. **indexed** [MH01]. **indexing** [KSL05, MGZ06, PXK+02]. **Indirect** [KJM+09]. **Induced** [TFCW07]. **indulgent** [GR04]. **ineffectual** [KR04]. **Inexpensive** [EP09]. **InfiniBand** [ASMD07]. **Information** [Ano04f, Ano04g, Ano04i, Ano04j, HWW07, PAW07, Rya04, ET01, Fuj00a, GL05, GR04, Rho03, XP04]. **infrastructure** [XN06]. **inherent** [EL02, JPEJ06]. **Inherently** [ZK01]. **Initial** [LLWS08, PR00b]. **Injection** [MRL06, ACK+03, Ste02]. **Inner** [KK09]. **Input** [GS09, LS09a, VPG+08, PR02a, PR04d]. **Input-Queued** [GS09, LS09a]. **Inputs** [ZDS+07]. **Insensitive** [Kap09, SMBS06, LPAM04]. **inspection** [KKKB05]. **Inspired** [Moo07]. **Instability** [DTHS09]. **Instruction** [AF05, BBGM08, CH07a, DVJP07, LF09, TW08, BD05, CT05, CZM05, GYA+03, LCKR03, SS02, WB03]. **Instruction-Set** [BBGM08]. **instructions** [KR04, OMM02, YSL00]. **Integer** [FFLTM09, GSA06, SBAB00, LM00]. **Integers** [CH07b, MBS+08, RK05, RW08]. **Integrated** [AD08, JSW07, KOA07, PL09b, SKK+09, ZBS+04, BP06, CN05, SLL+00, VKI+03]. **Integration** [LX09, PL09a, SXZ+06]. **intelligent** [KOHC03, LwJKW03, SLT01]. **intensive** [DK04, SLL+00]. **inter** [AF05]. **inter-PE** [AF05]. **Interaction** [Ano06e,

Pal05b, PV03, PBWB00, Raj00, RL04, RPH01, SM00, SWP04, WKS+05, WZSP04, WRJL05, XQ06, XR04]. **Real-Time** [AM08, AC09, Ano05f, Ayd07, AZ09, BRC08, BWR+07, BVM07, CHL09, CRJ07, DZB08, FSL07, JG06, JS09, LKSS06, NASK+08, PC07b, SL06, SKK+09, SC06, THC+08, WCLK09, WZ07, WRJ07, XHLC08, ZB09, ZX07, KD02, KM00, KCKC05, AS00, AHS06, ACCL06, AAS00, AMMMA01, AMMMA04, BCF+03, BBL01, BDBR05, BJHW00, CBS02, CBT05, CJ01, DSK00, FZM00, HHTH00, HSH01, HSW03, HR02, HL02, HL01, JR02, KLA+03, KS00a, KDB+05, KL03a, KL04, KH00, KLS01, KYL02, KKK03, LwLH02, LR04, LWRJ06, LKS03, LMM00, dALB03, LLA04, LHLL06, MAMMA03, MME04, DS00, NS03, Pal05b, PV03, PBWB00, Raj00, RL04, RPH01, SM00, SWP04, WZSP04, WRJL05, XQ06, XR04]. **Realistic** [WFP08, HvdG02]. **realization** [CPR03]. **realizations** [YWV05]. **rearrangeable** [Kan05, YW04a, YCL01]. **receiver** [EFX+04]. **recently** [LCK+01]. **Reciprocal** [EIM+00, LA03a, PB02]. **Reciprocation** [ELMT00]. **Reclaiming** [Ano05f, CBT05]. **Recoding** [JY00, SSST06]. **recodings** [SMM05]. **Recognition** [lFB07, HW07, KOA07]. **recommendations** [YL06b]. **Reconfigurable** [ABF+07, KDM+09, SBPV07, SKG09, SdBF04, VT09, ZP08a, ZP08b, BP01, Car03, EFX+04, HPS02, LP01b, LO04, MM04, SKS04, SLL+00, SWP04]. **Reconfiguration** [JS06, JSW07, LMF+08, TEG09, AN05, Low00, MJ02]. **Reconfigured** [XLSF07]. **Reconstruction** [Clu07, XW08]. **Recovery** [XYR+09, KHM03, KZP05, KKK03, MME04, OBB+02, PMR02, SFJ03, TTA+02, ZC05a]. **recovery-free** [ZC05a]. **recovery-oriented** [OBB+02]. **rectilinear** [Wan03]. **rectilinear-monotone** [Wan03]. **Recurrence** [LN07, ALMN05]. **Recurring** [GCS08]. **Recursion** [dOBNL09]. **Recursive** [BCK09, DCCS01]. **Red** [MRP+08]. **reduce** [BW03, GYA+03, MGZ06, RSM+05]. **Reduced** [HU02, HU09, KK09, RMPJ08, ALMN05, Hia02, LB04]. **reduced-area** [Hia02]. **Reducing** [BSPG08, GCNS08, Kim09, MS02, PP06, San06, SC04, ZL07, AF05, BMO04, CK06, LA03b]. **Reduction** [BDL09, BDK+05, KSA03, Ker08, SLZ05b, XLSF07, BO03, BD05, FLW03, ICM03, KGM+05, PR02c, PKEG04a, SDB03, VLG06]. **Redundancy** [KB08a, WYZ08, DBB00, HSU03, KM06a]. **Redundant** [HAH08, Kor09, NWA08, AKS+03, CHC05, GS03, KM06b, MSM02, PS04, PGK01, PR06, San03, TM00, WHBG02, EP09]. **Reed** [DN06, Fal03, DM00b, FDBS05a]. **references** [KGMS00, MKAP05]. **Refinement** [VVSA07]. **Reflective** [RKFTF03, SM00]. **regenerative** [MB01]. **region** [CLF05, KI04]. **Register** [BSPG08, EBPG06, LMW07, Tou07, GYA+03, RSM+05, TA05, TSD01, WK03]. **registers** [MVG+04]. **regrouping** [DK04]. **Regular** [CC07, Lee09, BCV01, CCMS02, MAD03]. **Rejuvenation** [SAT09]. **Rekeying** [SH09, VW05]. **Related** [CLV05, WSTJ09, CV00]. **Relation** [FMRR07, KR01]. **Relations** [BCK09]. **Relationship** [FH06, YOC+01]. **Relaxed** [KL09, LP01a]. **Relay** [LX07, SCZ01]. **relays** [WLD06]. **release** [MVG+04]. **Reliability** [AZ09, DPZ07, DLT07, EP09, TB06, WHZ09, CU02, Car02, CAK04, CMD05, SV06, Zha05]. **Reliability-Aware** [AZ09]. **reliability-oriented** [SV06]. **Reliable** [NS03, PV03, PRO03, UB03]. **relieving** [TNS03]. **Remainder** [BG08, CO09, YKLM03, Par03]. **remapping** [RPH01]. **Remote**

WDL+03, Wu03, XTX06].
Routing-Conscious [ABF+07]. **Row** [JSW07, LLW07]. **RS** [CPRS07]. **RSA** [BI04, Gir06, YKLM03]. **RT** [SM00]. **RT-CRM** [SM00]. **RTL** [HSS+08, VVSA07]. **Run** [RK07, CC03]. **Run-Length** [RK07, CC03]. **runahead** [MKAP05]. **Runtime** [TEG09, MTB+01, RVJ+01]. **RVR** [CU02].

s [HV06]. **saboteurs** [SAKR03]. **Safe** [KL09]. **Safecharts** [HCL07]. **Safety** [HCL07]. **Safety-Critical** [HCL07]. **Sampling** [JLJ07]. **SAN** [SLZ05a]. **SANs** [ZSXZ07]. **SAT** [BBH06, SdBF04]. **SAT-Solving** [BBH06]. **satellite** [ET01]. **satellite-terrestrial** [ET01]. **Satisfactions** [YRF08]. **satisfiability** [ASM06, ACCL06]. **Saturated** [PKCD09]. **Saturation** [SBAB00]. **save** [TPT06, UK01]. **saving** [KPDS01]. **Scalable** [CH07a, CD09, FPFP06, HXW09, MRS00, RM09, VAZSR07, WYYZ06, XPGP06, ZP08b, BLAA01, GL05, KYS05, MAD03, MKBG00, PXK+02, ST03, TK03]. **ScaLAPACK** [BBP+01]. **Scalar** [AH08, VOT08, Mis06]. **Scale** [CWC07, FPFP06, Sum08, Lin01]. **Scaled** [CV08]. **Scaling** [HASL07, LCL07, SW05, ZX07, ZR07, KL03a, KL04, LS04a, PP06]. **Scan** [HSLN08, XLSF07, XCF07, BO03, BO05, Li05, LC04, NAH02, PR02c, PR04d, PR06, SCZ01, XP04]. **Scan-Based** [XCF07, BO05, SCZ01]. **scan-BIST** [LC04]. **scatternet** [PBC03]. **Schduler** [YD09]. **Schedulability** [BB04, DZB08, KM03, LKSS06, LLWS08, ZB09]. **Scheduled** [KGA01, QD04]. **Scheduler** [CH07a, GBD07, LP09, SKJ07, YGB08]. **Schedules** [FSL07]. **Scheduling** [ACS+09, BWR+07, BNRB09, CLLL09, CHL09, GMSC09, GCS08, GS09, HL01, LKSS06, LZ07, LP09, LCC06, LOP07, LS09a, MEB01, NASK+08, DS00, NBAR08, PKCD07, PY09, QX08, SL06, THC+08, WZ07, WRJ07, XQ06, XHLC08, ZB09, ZVT09, ZX07, ASL04, AMMMA01, AMMMA04, Bar05, BG03, BFG03, Bar04, BF06, BKM+06, BLCA02, CN05, CJ01, DRC05, GCI06, HSW03, HB01a, HH04, ICM03, KMPE02, KHM01, KL03a, KL04, KYL02, KCKC05, LP00, LR04, LWRJ06, LHLL06, LAG+01, MRY06, MAMMA03, NB02, Pal05b, PY05a, PC02a, PBWB00, Ros04, RY05, San03, SHK06, SWP04, TSC+00, WZSP04, WRJL05, ZY06, ZS00]. **Scheme** [CWZL08, DHS08, HX08, PDS07, RK06, Sum08, Voy08, WFP08, AWY01, BB03b, CNM+02, GVMC+06, LA03b, LLC02b, LCC02, LCL03, MB03, TB03, TA05, WD04, YJMS05, YD02, Zha03]. **Schemes** [FH07c, PC07a, SZL08, TSS08, BMO04, Fan03b, KL03b, MRT01, Tze04, YB03]. **Scientific** [CD09]. **Scott** [HKM09]. **Scrambler** [Clu07]. **screening** [MDM04]. **SD** [ZW08]. **SD-MAC** [ZW08]. **SEA** [Xie08]. **Search** [NKSG09, RM09, WH06, SDB03]. **Searching** [SLZ05b]. **Secion** [Ano07i]. **SecLib** [GSH+08]. **Second** [PRB09, Yan08, YL06a]. **Second-Order** [Yan08, YL06a]. **Secondary** [SMM05]. **Section** [Ano04e, Ano07e, Ano07f, Ano07g, Ano07d, Ano07h, APV09, BK06, DLL07, GDM07, Har06, KMMS09, LML06, Mar08, Mud05, ST08, SGK08, HKL01, JR02, KP03, LT03, SLG02]. **Secure** [FPL+08, HvAL09, Lev07, NHSC07, SHYV06, SMS07, LRJ00, Lu05, Tze02a, Tze02b, YGZ05]. **Security** [Ano08f, Ano08g, Ano09h, DHS08, DMS+09, GSH+08, LSBV08, OVB+06, SXZ+06, MDS02, Rya04, SMBY05, SHK06, XQ06]. **security-assured** [SHK06]. **security-critical** [XQ06]. **seed** [Kag03]. **Segment** [CL07]. **select** [EVN03]. **select-prefix** [EVN03]. **selected** [Had05]. **selecting** [PvST02, ZC05b]. **Selection**

HL02, HL01, JR02, KHM03, KD02, KLA+03, KS00a, KDB+05, KL03a, KL04, KM00, KH00, KLS01, KYL02, KKK03, KCKC05, LSV00, LwLH02, LR04, Li05, LWRJ06, LKS03, LMM00, dALB03, LLA04, LHLL06, MAMMA03, MME04, DS00, NS03, Pal05b, PGK01, PP06, PV03, PBWB00, Raj00, RL04, Rho03, RPH01, SM00, SLS04, SWP04, TB03]. **time** [TSC+00, Voy05, WKS+05, WZSP04, XQ06, XR04, ZBC02]. **Time-Critical** [SC06]. **Time-Outs** [MNR08]. **Time-Shared** [BGB08]. **time-triggered** [KHM03, PP06]. **Time/utility** [WRJL05]. **Timed** [CUT00, MNR08, Fet03, HSH01, LMS04, WAB+02, YFKB04, ZBC02, LMS02]. **timed-token** [HSH01]. **timely** [VC02]. **timeout** [KPDS02]. **timeout-based** [KPDS02]. **timer** [KBK03]. **Times** [Ano05f, CBT05, LZ06, PR02a, TL02]. **timestamp** [LLSC02]. **timewheel** [MFC02]. **Timing** [CNG+09, gLMK07, RPH01, UBWF08, YRF08, HL01]. **Timing-Centric** [CNG+09]. **TLB** [Sez04]. **TLBs** [JM01, JJ06]. **TLM** [PF08]. **TMR** [GS00a]. **Token** [GS09, HSH01, LMS04, ZBC02, LMS02]. **Token-Ring** [GS09]. **tokens** [HBH05]. **Tolerance** [Ano04e, BK06, LMM00, SMS07, CSR04, Con00, GNF+06, KS00a, PG01, YOC+01]. **tolerances** [TGKL03]. **Tolerant** [CWC07, CL09, HY08, KL08, MP09, TFH07, XZP09, ZVT09, Car02, CLF05, Dat05, FN04, GS00a, Gro04, HSW03, HS04, HT00, IO03, KKP00, KI04, dALB03, LWG01, LDH06, MP03, MKBG00, PS03, RKFTF03, Tsu00, Tze02a, Tze02b, Wan03, WDL+03, Wu03, XRR+02, YW04a, YJMS05, Zha02]. **Tolerating** [FB00, FS07, QD04, FDBS05a, FDBS05b]. **Tool** [CKS+08, Fal03]. **tools** [Rya04]. **topologies** [AN05]. **Topology** [CCS+04, PGVB08, XT02, Zac06]. **tori** [WT00, YW01]. **Toroidal** [MBS+08]. **torus** [AE00]. **totally** [Pie02a]. **Toueg** [HMR02]. **tower** [BS04]. **TPF** [LP07]. **TPG** [Kag03]. **Trace** [RLPV05, BGJ+05, JHZ01, LY02b, LJ04]. **trace-compression** [BGJ+05]. **Traces** [SG07, YJ06]. **tracing** [NR04]. **Track** [BF08, OMG07, HT00]. **Tracking** [LKTT08, NASK+08, ZCWZ08]. **Tractable** [PF08]. **Trade** [KPJ+09, LCLV08, SGB08, YSLH07, Fan03a, HV06, MEB01, PGJ+05, SD06]. **Trade-Off** [SGB08]. **Trade-Offs** [KPJ+09, LCLV08, YSLH07, HV06, MEB01, PGJ+05, SD06]. **trading** [RB05]. **Traffic** [LHC+08, MS09, OMG07, MOK04, SAOKM01]. **Traffic-Balanced** [LHC+08]. **trails** [YECV02]. **transaction** [KPDS02, KH00, LLSC02, YY01]. **Transactions** [Pra06b, LwLH02, XR04]. **Transfer** [LMW07, CS04, Tze04]. **Transform** [BP07, NZ07, ZR07, Biq05, Che04, JSD01, RZ04]. **transformation** [BK00, KRCB01, VPR04, YHIO02]. **transformations** [HPH+04, KPDS01, PDS04]. **transformed** [GD03]. **transforms** [LPS00, RN04]. **Transient** [BSPG08, Car04, ORM07, BCGG00, LMM00, MFR00]. **transit** [FLM+03]. **Transition** [NTA08]. **translation** [EAGS01, JJ06]. **Transmission** [KM07, KB08a, TB03, ZYZ09, CRL00]. **Transparent** [KHM03]. **Transport** [CLV05, GBD07]. **transposition** [SP02]. **Transversal** [BF08]. **traps** [QD04]. **Traversal** [WH06, PR04a]. **Tree** [CY09, DLT07, HAH08, HXW09, JVG07, LKTT08, NHSC07, VW05, DV04, Kar06, KNS01, LS05, Lu05, MYL+01, Res01]. **tree-based** [KNS01, MYL+01]. **Tree-Structured** [DLT07]. **Trees** [CL07, LS04b]. **Triangular** [MY07]. **Trie** [KS07]. **Tries** [LS08, LS09b]. **Trigger** [HSLN08]. **Triggered**

[Fio08, WKJ07]. **workload** [BLCA02]. **Workloads** [JLJ07, JZ05]. **works** [Rya04]. **workstation** [CJDM01]. **wormhole** [HS04, MOK04, SAOKM01, Sch01, SW00, WT00]. **wormhole-routed** [SAOKM01, WT00]. **wormhole-switched** [MOK04]. **Worms** [SS09a]. **Worst** [CC07, SB01, SLZ05b, YD09, ESE05]. **Worst-Case** [CC07, YD09, ESE05]. **worth** [DSK00]. **Write** [KPJ+09, WH03]. **Writes** [BP07]. **wrong** [MKAP05]. **wrong-path** [MKAP05]. **WSI** [Low00].

x [LL09, WBW08]. **X-Block** [WBW08]. **Xen** [GCN+09]. **Xen-Based** [GCN+09]. **XOR** [VD05]. **XOR-based** [VD05]. **XPAND** [MK06].

year [Ano06f]. **yield** [KK00a, MJ02, MP03]. **yielding** [GMQS02].

Z [ABLP07]. **Z-Cycles** [ABLP07]. **Zech** [AP00]. **Zero** [BDG03, PB07b]. **Zero-aliasing** [BDG03]. **ZettaRAM** [VAZSR07]. **ZRP** [BB03b].

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