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**Title word cross-reference**

$$(2 + \epsilon) \ [\text{BYCHS17}]. \ (\Delta + 1) \ [\text{Bar16, HSS18}]. \ (s, t) \ [\text{ATSWZ00}]. \ 1 \ [\text{HV95}].$$
$$1/2 N^3 \ [\text{Yen72}]. \ 2$$
$$[\text{AF67, Cha10, CL16, DG16, GR79, HMZ13, HdlT01, Lar76}]. \ 3$$
$$[\text{Bui06, Cha10, CNP85, KT17, KPS19, SS13, Shi10}]. \ 3/2 \ [\text{TV19}]. \ 4/3$$
$$[\text{AB17, CG93}]. \ 5 \ [\text{Wat61}]. \ 6 \ [\text{Wat61}]. \ 8 \ [\text{Wat61}]. \ = \ [\text{JUW11}]. \ 1 \ [\text{MT88}]. \ A$$
$$[\text{Bui79, SB73}]. \ A^* \ [\text{MP10}]. \ AC^O \ [\text{Bra10}]. \ C \ [\text{Sla72a}]. \ \cap \ [\text{AR05}]. \ \Delta \ [\text{Bar16}]. \ E$$
$$[\text{GNRS92}]. \ \ell_1 \ [\text{BC05}]. \ \epsilon \ [\text{AKN+08}]. \ f(z) \ [\text{RS63}]. \ f(z) = 0 \ [\text{War57}]. \ g \ [\text{Hi92}].$$
$$H \ [\text{DFHT05}]. \ J \ [\text{CT81}]. \ K \ [\text{OOW99, AMR11, BBMN15, BG00, BP03a, CK95a, CeLT00, CGH+05, Gui78, HSTV14, JV01, KLM19, KP95, Lin18, MLS76, Mol18, ORSS12, PPSZ05, YR78, KIM81}]. \ k + 1 \ [\text{YR78}]. \ K_m$$
$$[\text{vdLL86}]. \ L \ [\text{Bui79, San65}]. \ \ell_1 \ [\text{KV15, Abd71}]. \ L_p \ [\text{Lee80}]. \ \Lambda \ [\text{Gri68}]. \ \ln n$$
$$[\text{Fei98}]. \ \log^* n \ [\text{CGH+05}]. \ \log^c n \ [\text{BR91}]. \ m \ [\text{AM78b, DG62}]. \ M' = \bigvee_{i=1}^1 M'$$
$$[\text{Sim67, Sim65}]. \ m \times n \ [\text{NJ57}]. \ n \ [\text{CK95a, Mey84, MO68, Mou65a, Mow67, Was81, And66, BJL+82, HP59, Kac79, Mey88, WW73, Yen72}]. \ n + 1$$
\[ n/2 / F / F^{(m)} \] [KS75]. \( n^{1/5} \) [KT17]. \( N^3 \) [Yen72]. \( NC \) [BR91]. \( O(1) \) [MMR15, FKS84]. \( O(c^2) \) [Van85]. \( O(g) \) [HI92]. \( O(\log(n)^{4/3}) \) [ATSWZ00]. \( O(\log^2(n)) \) [BHR19]. \( O(\log(\Delta/\epsilon \log \log \Delta)) \) [BYCHS17]. \( O(\log(n)) \) [Bra87]. \( O(\log(n)) \) [FG05, CFM10, Upf92]. \( O(n^2(m + n \log n) \log n) \) [GTM88a]. \( O(n^2) \) [DI05, KS11, MMR15, PSSZ13]. \( O(n^3) \) [GHL+87]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3 \log n) \) [Bra87]. \( O(\log(n^2)) \) [BHR19]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3) \) [GHL+87]. \( O(n^3 \log n) \) [BHR19]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3 \log n) \) [BHR19]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3 \log n) \) [BHR19]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3 \log n) \) [BHR19]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3 \log n) \) [BHR19]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3 \log n) \) [BHR19]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3 \log n) \) [BHR19]. \( O(n^3 \log n) \) [BHR19]. \( O(\log \Delta/\epsilon \log \log \Delta) \) [BYCHS17]. \( O(n^3 \log n) \) [BHR19].
\[ \text{A*} \] Dav90, DP85, SW91. Abacus [Li59]. Abbreviating [BF61].
Abduction [CDOY11, EG95]. abductive [EM07]. ability [NS06a].
Absence [KBI\textsuperscript{+17}]. Absolute [CK65, Gab16]. Abstract [Ehr82, LR72, McL84, Mil73, Nou83, Ove66, BT07, CCM12, GRS00, NOT06, GB92, Hue80].
Abstraction [EPT18, HHHN14, Imi91, vW96, BN01, CGJ\textsuperscript{+03}, DW99, GS07, SP07].
Accepted [Gin61b]. Access [BFGY19, Bsh93, ER64b, FKS84, GS69, GW85, GFL87, GS73, Low68, MY79, Mey85, Rei87, SS79, Sch88, Tob82, Tra63, AW08, BEP09, HHR97]. accesses [GHS09]. Accessing [BK71]. Account [Oet57]. Accounting [Tro54].
Accumulation [KL70]. Accuracy [KS75, Ral59]. accurate [XB06]. Achieve [Ral59]. achieving [DMR08]. Ackermann [Cha00b].
acknowledgment [DGS01]. ACM [Ano79, Gra77, Hou56c, Alt03, Ano68, BGP59, Sal70]. Action [LS95].
Actions [Set82]. Activity [SD62]. Acyclic [BMT89, BFMY83, San88, DGP07, GLS01, Ott12]. Acyclicity [Fag83].
Addendum [CH88, EV62a]. Adding [AM09, MS16b, WL85]. Addition [Win65a, YSS78]. Additional [Leu93, BB64]. Additions [Yen72]. Additive [AB17, BLRZ14, GSK95]. Address [Car57, Elg54, Eli74, Flo60, Hou56c, Hou57, IS56, Lip57, PK87, TTK66].
Addressable [Ros72]. Addressed [Kau71]. Addresses [BAG92].
Addressing [AGOW66, Tra63]. Addressless [Bli72]. Adjacency [ADK17].
Aggregate [Klu82, RSG05, CNO70, HLNW01]. Aggregated [Ste83].
Aggregating [ACN08]. Aggregation [CS85, Kan83, Van78, Van85].
Aggregation/Disaggregation [CS85]. Aging [Vla87]. Agreement [ADLS94, DR85, DL\textsuperscript{+86}, DR90, KS16, Cul700, KS11, LNR06].
Agreements [PSL80]. Ahead [San69]. AI [Red03]. Aid [KH64]. Aided [BT69, GR74]. Aids [Pra60]. AIMD [WSY\textsuperscript{+19}]. Aitken [GL64].
Aitken-Hermite [GL64]. Algebra [BHK90, GTWW77, Klu82, NB95, Sal66, SV85, Wi62, Yeh68, YR64, KJJ00, LIW08]. Algebraic [ACPS93, BHR84a, BG15, Bra67, BIZ18, ES17, FL18, GUK\textsuperscript{+16}, GMM81, Hen64, HM85a, IW91, Ja83, KT78, Lan59, LKK83, LFKN92, LT93, Mar71,
Pic67, vDlL86, BR96, IOT19]. **Algebras**
[AGS17, BK72, FZ77, GTWW77, Liu69, Mil79, Nip90, Ven87, WM74, BT95].

**ALGOL** [Bot62, BG70, GR62, GR63b, RR64, OR00]. **ALGOL-Like** [GR63b].

**Algorithm**
[AM85, AKS15, AGG62, ACW91, Bak77, BMPT91, BBN12, BBMN15, BRK74, Bau85, BSP82, BCS92, BDS87, BLS92, Bro71, BT71, BT79, CK70, CE92, CL16, CG86, CG70b, CK65, CF59, Deo76, DFK91, EHR84, ES17, Fei84, FM94, FW74, Gab76, Gab82, G578a, GM79, Gal82, GT88a, Gal95, GNP+93, Gib69, G80, GL88b, Goo11, GW76, GR79, GLW70, HW90, HPR15, Hib63, HW76, Hor75, HP76, HLS77, Hsu75, Hwa79, ILG87, Joh73, Jon62, KS78, Kam87, Kan80, KL86, KKT95, KW85, KIM81, Kri64, LH90, LP79, LL85, Leh74, LP73, LS77, LM86, LB79, Man75, Man79a, Man79b, Mar76, MP72, McC76, Mey84, Moo67, Mor68a, Mow67, MT69, MC72, Mul91, Mye92, NS80, ON68, Pag76, Rah70, Rei86, RPE81, RW88, RP89, Sag80, SK73, SD76, SS17].

**Algorithmic**
[BG70, CG70a, CGS15, EK72, Gil66a, Lat81, Per67, RZ19, BLP09, CD08].

**Algorithms**
[ADF+16, ABC17, AMOT90, ACHS16, ABS15, Ata94, ALS94, AF03, ADS83, BM83, BCW85, Bak94, BBBL95, BMJ79, BP03b, BPP+16, Blu71, Blu94, BK78, Bro82, BS72, CLTZ18, CH14, CF12, Cla95, Coa88, CaKMT19, CH79, CM93, Coa87, CDRS93, CD94, DJ81, DJSW19, DM81, Ehr73, Fai85, Fal62, FGR+17, Flo67, FLPS16, FGLS19, Fre79, FT87, Fri73, GGS89, GT91, Gav83, Gil68, GS93, GS85, GL85, GKS88, Hei71, Hei89, HLMW92, Hir77, HS86, HS87, HS76, HD73, Iba77, IK75, IK77, IM83, IKM17, IK74, ICR87, JSS16, Joh77, Joh87, KU76, KKKMO18, KR93, KZ93, KN81, KS74, KS75, KS75, KS77, Kun76, La64, LR79, Len89, LL73, MF63, MB83, Meg83, Mey88, MP65, MP66a, MW84, Mot94, NT82, NPRR18, OR90, Ove74, PRR84]. **Algorithms**
[Pag70, PKT90, Rac82, Re72, RC86, Sah75, Sah76, Sch80, She67, ST72, SR71, Tar81a, Tv84, Tro84, TS95, ÜD90, Yao80, vDSS89, AT11, BSZ06, CKL13, DFHT05, DFSL14, DH97, EGIN97, ENRS00, FK99, FGG90, FKV04, GFP06, GW95, GMS10, GKPR07, Hal07, HK99, HdlT01, JV01, JNM+03, JSM03, KLS805, K02, LR99, P198, SCD02, Sho00, Spec9, ST04, XB06, GG78]. **All-pairs** [PSSZ13]. **Allen** [KKJ03, NB95]. **Allocating** [Ros74, Ros75]. **Allocation**
[BCW85, BN79, BCS92, Bro82, CC76a, CC76b, DL56, DJSW19, GL71, HKMW66, KIM81, PGL76, Rob71, Rob74, TW88, BNBYF+01]. **Allow** [RT88]. **Allowing** [BC74, Rem81]. **Allows** [DV14]. **Almost**
[AM94, AGPT16, AZ08, CKL+07, CF12, ER64a, Gab82, Gal82, GB74,
Almost-Linear [Gab82, GS06].
Almost-tight [AZ08].
ALOHA [Tob82].
Alpha [Pit06, Yer66].
Alpha-structural [Pit06].
Alphameric [BO56].
Alphanumeric [Mor68a].
Alternating [AHK02, CH14, CD60, DG62, MT85].
Alternating-time [AHK02].
Ambiguity [Bel60, Can62, GU66a, HU66, Man69, Ros70a].
Ambiguity [GU66b].
Amortized [BHR19, Cha01].
Amplifiers [GGG+17, HK55, HA56].
Amplifying [AK10].
Analog [BW57a, Edw54, Fis58, HS55, Mos55, SR60, Wad56, ZL58].
Analogs [Sha66].
Analogue [Ehr59, Fis56, Jac54, LWS55].
analyses [McA02].
Analysing [CG18].
Approaches [BM85, BK72]. Approaching [GKKS14, TV19].

approximability [DJJK08]. Approximate

[AGTM09, Bab16, CLRS01, Cry70, DLP98, Gel75, HS76, Hou58a, KMS98, KS75, KPW18, LSPP15, MS19, Moli9, PTK90, Sah75, TZ05, Wig83, AMS05, AMN98, AM09, Cha00a, CGH05, Mye99, Thu04]. Approximated [PW93]. Approximately [Hab70, LOS02]. Approximating [AHPSV97, AHPV04, CDPP14, CR86, DFH91, GJ12, LY94, MS11, SLM19, San96, Sig67, SL15, You56, BNBYF96, Fe98, Kho05]. Approximation [Abd71, AHPW19, Bak94, BYCHS17, BHM11, BC61, BLTY94, Bu94, BH65, BGRS13, Cha16, CLTZ18, CL16, CW17, Con57, Cru76, CF59, DFS14, DJSW19, DP14, Dun74, FLS18, Fre79, GLH57, GMS10, GKPR07, HM85b, HS86, HS87, IK75, JV01, KLS05, KT02, Kob74a, Kob74b, Kur62, Mas66, MSU99, Rid76, SG76, Sha70a, She57a, Shi69, Sto64b, Awa90, AM29, BBG13, Coh00, ENRS00, GKPS06, GW95, GGR98, GHS13, JSV04, KSS10, LR99, OR02, RS99a, SK96, SS06b]. Approximations [Ber69, CBHH61, CS84, Fra65, KV94b, Laa58b, Luk57, Mae60, Mae63, Min57, Sp61, Ste67, T959, AM07, FKV04]. Arbitrary [BIW63, DST92a, DST92b, Fra58a, Hoo66b, Nat67, Ay13, BK99, DL107]. architecture [Val00]. Architectures [HRS88]. Arcs [Ros73b]. Area [BB95, BK81, BK82]. Area-Time [BK81, BK82]. Area-Universal [BB95]. Arguments [Ked79]. Arising [Cry71]. Arithmetic

[Alt88, AAB17, AM59, Ash64, BL19, BSZ65, Brec74, BFGL97, Cha90b, CS83, EV57, Erc60, GL70, Hei71, KL73, Kan65, Mát90, MP76, Pap87, Par55, RR64, RD56, Re13, Rei87, SU70, Sho79, Win75, HJ01]. Arithmetical

[Jef56, CM57]. Arithmetics [Wad60]. Armstrong [BDFS84]. Arrangement [Riv78, Yan85]. arrangements [ANP04]. Array

[AK84, DS78, Fis65a, Fra76, Fre82a, Kau71, SJ80, KB06]. Arrays [GE84, KA88, Ros74, Ros75, RS77, Wai67]. Arrivals [Adi73, Del70, SB92]. Arrow [Vaz12]. Arthur [HM13]. Article

[Tar17a, Tar17b, Tar17c, Tar17d, Tar17e, Tar18a, Tar18b, Tar18c, Tar18d, Via11b, Via12c, Via12d, Via13b, Via13d, Via14c, Via15b, Via15a, Via11a, Via12e, Via12a, Via12b, Via13c, Via13c, Via14b]. Articles

[An15, Tar16a, Tar16b, Tar16c, Tar16d, Tar17f, Tar17g, Tar17h, Tar19a, Tar19b, Via11d, Via14a, Via14d, Via15c, WK15, Via10b, Via11c, Via13f]. ary [Gui78]. ASCII [Chu81, Sar83]. Aspects

[FW74, HSS11, He61, KP90, KB81, Mit74, Sr165, Sta72]. Assembly [Sch72]. Assertions [Weg77]. Assessment [MH82]. Assign [GMB85]. Assignment

[AP86, BMPT91, Cur63b, D878, Kur62, Liu63, Sch72, TTK66, BP03b, HB02]. Assignments [TWS80]. Associated [DM62, ALS09, MPR98]. Association

[Ano68, Ano74, San65, St61, Wil54]. Associative [Pap87, Sal63, St81].
Associative-Commutative [Sti81]. Associativity [Sla74]. Asymmetric [CGH+05, KLSS05]. asymmetry [Vöc03]. Asymptotic [BC61, Har66, KT90, MM84, McKe87, MM86, MPT96]. Asymptotically [GST16, Hor78, LT82, TRE73, CKOR14]. Asymptotics [MW84].

Asynchronous [AACH+14, AFL83, ABND+90, ADG15, Bau78, Boj84, BT85, BS89, EGM16, GGK13, HYC16, JT75, Liu63, LM86, MMR15, TS95, ÜD90, AC08, DFSL14, HS99, MRR03]. Atomic [AAD+93, AACHE15, AACHE18, GPV99, HV95, Her90, SAG94, AKMS11, FG10]. Attack [Cun85].

Attempts [BFGY19]. Attention [San88]. Attribute [Dil89, EF89, GVW15, Jaz81, Boy05, NV02, RS99]. Attribute-Based [GVW15]. attributes [RS99].

Augmented [Kau71]. Augmenting [BMPT91, GM80]. authenticated [KOY90, LLR06]. Author [Ano58a, Ano68, Ano95a, Ano97, Ano98a].

Authoritative [Kle99]. Autoepistemic [Got95b, MT91]. Automata [Aho69, ADO91, Arb61, Bar65, Bav68, BM70, Bro64, BW57b, BW57c, Bur70, Con91, DH94, FMNP19, Fle62, FHO72, Fri62, Gin61b, GGH67a, GGH67b, GH70, GB69a, GB69b, GB69c, GB70, Har66, HS68, Har69, HH94, HU68a, KV94a, Kel61, KB67, KSB66, Lee61, PP65, Pic67, RC69, Rit63, RS94c, SEY15, Tra66, Ukk82, Ul69, Val75, Wee65, Wee67, Win64, Yeh68, Yoe65, von66, ANTSV02, BGB12, BB+00, FPS98, KVW00, OG96, TS10].

automata-theoretic [KVW00]. Automated [BG01, BY96, GOBS69, MW86, Ove74, Slaja74, Win82]. Automatic [BB77, BB64, Cha66b, CM04, DL56, Doy65, Edm69, Gia64, GKR, GPre63, Hen56a, HW55, KU80, Koc69, Lan59, Mar61, McA93, Mel56, Mos55, Nev70, Nev74, O'CR55, Oet57, Per54, Sal73, Sch61, Sco58, Slaja74, Smi82, Swi57, YL57, Yer66, YSS78]. Automatically [Hob93].

Automating [HC88]. Automaton [Fle65, Oeh63, Wee62, BYG96].

Automorphism [Fle65, Wee65, Wee67]. Automorphisms [Bar65, GB69a, GB69b]. Availability [Her90, LM94b, dG89]. Average [AM85, BKST78, CM89, HRST17, Mot94, RS66, Rd76, TS95, JLV00, Lue09, SSS06]. Average-Case [HRST17, Mot94, JLV00]. Averaging [CDP14].

Avoidance [Min82]. Avoiding [CCS91, Mor97]. Aware [DWW14]. Axiom [Cla79, SL66]. Axiomatic [Ben72, Beza73a, Beza73b, MH82, AT10, BT00].

Axiomatics [CK79]. Axiomatization [SU82, Sci82, Kif98].

Axiomatizations [CGH93]. Axiomatizing [Men79]. Axioms [Dix73, Wan93, DFPP02]. AYDAR [ZL58].


Backlogs [Gav71]. Backoff [BFGY19, GGM88]. Backtrack [Ber73, Fre82b, Fre85, GB65, KZ93]. Backtrack-Bounded [Fre85].


Balancing [Rab89, RY91, TT85, AAF97, BM96, KP02, Vöc03]. Balloon
[Sim67, AGG62, BP89, Bre70, BDG13, GKR16, HRST17, HP72a, Har63a, Hay76, Hir58, KV94a, KL94, KB81, Law64, Lee02, MP65, MP66a, Nat67, Sim65, SV85, Svo75, War62, WM74, YCW99]. **Boosting** [FGMS05]. **Both** [KW66]. **Bottleneck** [GG78, HS86]. **Bound** [And65a, Bry82, Das75, ES86, FGR17, Fre81, GW85, Hel89, Iba77, KZ93, Kir81, Kla85, KS74, MST91, Mor73, Raz19, RS94b, Rub15, Sch88, Smi84, Yao81a, CR12, JLV00, Ste03, SM02]. **Boundaries** [BN13]. **Boundary** [AT71, Ber54, BH65, CM60, CM61, Col58, CD60, Cry70, Cry71, Ehr58, Ehr59, HW67, MP59, Usm66, Was71, Yak76, Zaf69]. **Boundary-Value** [Was71]. **Bounded** [AM85, BHM11, Con91, Coo71, DH94, ES17, Fre85, HV02, HH94, HU69, Iba78, Lov16, MS92, SS79, SL15, Sud75, TS74, BFU01, BL04b, DR03, DFHT05, DW99, MLS76]. **bounded-genus** [DFHT05]. **Bounding** [CM96, HKP84, ZS99]. **Bounds** [Abe80, AAHK94, AC81, AG17, AHU76, AACH14, AH92b, ADLS94, BH89, BJ14, BBBL95, Car58, Cau58, CN95, CG67, Cha90a, Cha90b, CC16, Che19, CHK82, CS84, CFG17, DHK19, DR85, DCKT92, FL74, FMP15, FB72, FG79, GR60, GLV12, GYY80, Gu79, HHHN14, Hil61, HS78a, HS78b, HK78, Kar67, Ked79, Kis91, KMW16, Kun76, LT82, LMNM03, LY89, LM94b, Mey85, MP75, NW73, Oma77, PKR84, Pet15, Pot17, Raz13, Rei0a, Rob74, RVW18, She14, Smi70, Ste83, SEY15, Tiw87, Tro84, Tsa74, Wil14, WC76, YY76, AS04, AC05, AK10, AAF1, Asp98, AC08, BBC1, BSSV03, BLR10, BL04b, CR12, CTh00, CD08, EFR07, FG10, FLvMV05, FV02, GHS13, GHS09, HKM1, Kol04, LLW10, LNT97, Ruc09, Niv10, Raz04, SS13]. **Box** [KNY19, ZS99]. **Bracketed** [San72]. **Branch** [Hel89, Iba77, KZ93, KS74, Smi84]. **Branch-and-Bound** [Iba77, KZ93, KS74]. **Branching** [BIZ18, EH86, Weg88, vW96, DV95, KVW00]. **branching-time** [KVW00]. **break** [BK79]. **Breaking** [ADH15, BEPS16, KS11, DI05, DMR08]. **Bridge** [Ber63]. **bridging** [Zwi02]. **Broadcast** [AGPV90, BT85, FGL77, FKL98]. **Brouwer** [CD08]. **Büchi** [CH14]. **Bucket** [Tra63]. **Buckets** [BK77a, DR03]. **Buddy** [PS70]. **Buffer** [BGH1, GL71, Hof77]. **Buffering** [Fer60, MS59, Sch72]. **buffers** [BFU01]. **Building** [CJJK00, Cur63a]. **Built** [Sla72b, Wan93]. **Built-in** [Sla72b, Wan93]. **Bulk** [Adi73, Del70, HM72]. **Bureau** [Mey65]. **Burroughs** [Mie57]. **Burrows** [Man01]. **Bursts** [Das75]. **Business** [PM71]. **Busy** [BN71, Dad88, NBC72]. **butterfly** [BCH96]. **butterfly-like** [BCH96]. **Byzantine** [Bra87, DR85, DRS90, DW04, KS11, KS16, LSP82, Lam83, LR09, LRL06, MRR15].
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[ATT71, Alt62, ABV60, BC54, BW57a, Baz57, Bhu59, BR54, CU59, CM57, Fra61, Gl57a, HI59, HL66, Je56, Lan59, Les58, MB56, Mas56, Mcl65, Mul59, Neg66, Neu54a, Neu54b, Neu54c, Neu54d, Neu55a, Neu55b, Neu55c, Neu55d, Par55, RP66, Ros70b, Ros73b, Rub55, SM64, Sch64, Sel72, SAKS64, SR71, SR60, Sti65, Swi57, Wad56, Wil62, Wun67, Ano56a, Ano56b, Ano56c, Ano56d, Gol57a, Gol57b, Gol57c, Gol57d]. Digitization
[Hue71, Mon69]. Digits
[BFGL79, FG76]. Digraph
[BD77, Hsu75, MT69]. digraphs
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[Joh73]. Dimension
[ADF‡16, AM85, AM94, BEHW89, Cla95, KPS19, Meg84, MP71a, BC05]. Dimensional
[Cal61, Com68, Fis55a, Mey84, Mey88, Ros83, YUKY17, BKL99, CGT10, Lee80]. Dimensionality
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[CD87b, Kac79, Mor59, RS94b, RKN75, AHPVS97, ABDCBH97, AMN+98, ES09, KGL04, KSS10]. Diophantine
[GI82, Mey85]. Direct
[CG67, EC68, Hoc65, HJ61, Jai15, Low68, Mau69, Sto64b, Toy87, Wee65, Wee67, Wil61, Zol78, TKB95]. Directed
[Ber73, CF68, Gav83, KBI‡17, KP80, LS68, Pot17, SD76, Wei72, AZ08, BK09, CLL‡08, CK09, DGP07, KLSS05]. Direction
[CD60, DG62].


Discrete [Abd71, BFR+13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, UD90, VV63, HN04]. Discrimination [LBB67].

Discovery [EG82, GS10]. Discrepancy [Tez87, CC04]. Discrete [Abd71, BFR+13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, UD90, VV63, HN04]. Discrimination [LBB67].

Display [CvH65]. Dissection [AY13]. Dissemination [Sal71a]. Dissolution [MR93]. Distance [CM74, GYY80, HPR15, MD76, WW73, Yen72, BOG02, OR07, TZ05].

Discount [HMZ13]. Discovery [EG82, GS10]. Discrepancy [Tez87, CC04]. Discrete [Abd71, BFR+13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, UD90, VV63, HN04]. Discrimination [LBB67].

Discover [EG82, GS10]. Discrepancy [Tez87, CC04]. Discrete [Abd71, BFR+13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, UD90, VV63, HN04]. Discrimination [LBB67].

Display [CvH65]. Dissection [AY13]. Dissemination [Sal71a]. Dissolution [MR93]. Distance [CM74, GYY80, HPR15, MD76, WW73, Yen72, BOG02, OR07, TZ05].

Discover [EG82, GS10]. Discrepancy [Tez87, CC04]. Discrete [Abd71, BFR+13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, UD90, VV63, HN04]. Discrimination [LBB67].

Display [CvH65]. Dissection [AY13]. Dissemination [Sal71a]. Dissolution [MR93]. Distance [CM74, GYY80, HPR15, MD76, WW73, Yen72, BOG02, OR07, TZ05].

Discover [EG82, GS10]. Discrepancy [Tez87, CC04]. Discrete [Abd71, BFR+13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, UD90, VV63, HN04]. Discrimination [LBB67].

Display [CvH65]. Dissection [AY13]. Dissemination [Sal71a]. Dissolution [MR93]. Distance [CM74, GYY80, HPR15, MD76, WW73, Yen72, BOG02, OR07, TZ05].

Discover [EG82, GS10]. Discrepancy [Tez87, CC04]. Discrete [Abd71, BFR+13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, UD90, VV63, HN04]. Discrimination [LBB67].

Display [CvH65]. Dissection [AY13]. Dissemination [Sal71a]. Dissolution [MR93]. Distance [CM74, GYY80, HPR15, MD76, WW73, Yen72, BOG02, OR07, TZ05].

Discover [EG82, GS10]. Discrepancy [Tez87, CC04]. Discrete [Abd71, BFR+13, BMM18, Bro65, DS13, FM79, Fox70, Laa58b, Nic93, ÖWA91, Rot70, Sha66, Sur87, UD90, VV63, HN04]. Discrimination [LBB67].

Bel60, Bel62, BN79, Bon70, Cha01, CH14, DHSS95, EGGI92a, EGGI92b, FN93, FMS97, Ghu63, GMM81, GR17, Hel89, Lam82, MW78, MT93, ÖWA91, Pel87, Rob71, Rob74, RT90, SAKS64, Via87, Vit87, WL85, Yi12, YZJ18, vO93, BFU01, Cha10, DI04, DI05, EGIN97, GIS99, HK99, HdlT01, Mye99. Dynamics [AAGT15]. DynFO [DKM18]. DYSEAC [Lei54].

Empirical [GSK59, LBNS09, O’C65, PM71]. Emulations [KLM+97, BCH+96].

End-to-End [BGP84, CH14]. End-Component [CH14].

Encoding [Heh77, KR92, Ros79b, Sch63, ABF+02]. Encryption [BV18, GVW15, Unr15].

Empirical [GSK59, LBNS09, O’C65, PM71]. Emulations [KLM+97, BCH+96].

Encoding [Heh77, KR92, Ros79b, Sch63, ABF+02]. Encryption [BV18, GVW15, Unr15].

End-to-End [BGP84, CH14]. End-Component [CH14].

End-Component [CH14].

End-Component [CH14].

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Environment [AGOW66, ABND+90, CE72, HM90, LL73, DPK98, Kle99]. Environments [CHJS15, GR17, PM06]. Epistemic [EFW10]. Equal [Gli65]. Equality [CS71, DH86, ER80b, Gin67, RWM94, Rei80b, Set78, Sta72b, Wan93].

Equality-Based [DH86]. Equality-Oriented [Wan93]. Equation [BJ66, BH65, CM60, Con57, Cra54, Cra55, Cra57, Cry67, Dou59, Ecs60, Fis58, Her74, Hoc65, Laa58a, MP59, Mor62, Par61, Sig67, Sim65, Sim67, Sta56, Svw68, You56, Hal07]. Equational [BD94, BT95, GNR92, PS81b, Ver95].

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Equidistributed [Hab70]. Equilibration [Bun71]. Equilibria [Bab16, IKM17, KL95, CTD09, PR08].

Equilibrium [BPSV08, VY11, Kob74a]. Equipment [Jac54, Wis54]. Equi-probable [PGE75]. Equivalence [AV88, BBK93, Bar65, BHR84a, CS54, DLT94, ER80a, GW90, Gpi68, GI81, HH77, IM83, IL83, Klu82, Lie62, Mar71, Oya87, RV80, SdpF81, SdpF87, SMK18, Tho07, Tsi70, UkK82, Lib01, MS04, PS00].

Equivalences [SY80, WW18, CNS07]. Equivalent [Hsu75, M769, You77].


Errata [Bea73a, Bea73b, Bui77, CC76a, Cof69b, GM75, GB69b, GB70, KSS77, Lov69b, Set75]. Erratum [AACHE18, HR63a, Huc74, LW63a, SW01, ZY03].

Error [And65a, Att57, BR71, BCLM56, Car58, Cas76, Cau58, CG67, CC67, Chu81, Dav90, Dou59, DW64, GR60, Hou58b, KL70, Laa58b, Sar83, Sim70, Ste83, Tsa74, Van85, Wee60, Wle61, Win64, Zaf70, Cha00a, CS99, MR10a, Pel98].

Errors [CM96, EV57, Erc60, Gra55b, KL73, LPR13, MB56, BKL99, Reg90].

Essays [Bur70]. Establishing [AB70, Ked79]. Estimate [BR71, Rob71].
extent [AHPV04]. External [Goe61, GL88a, LRY80, RA76, FG99, GHS09].
Extra [Hor78]. Extracting [Edm69]. Extraction [FKRV15, CM04, GK04].
Extractors [Tre01, BKS+10, GUV09, SU05]. Extrapolation [TM66].
Extrema [DS91]. Extremal [BLT93]. Extremely [SDS+18]. exudation [CDE+00].
Cry71, CF59, DLN73, Das77, DA68, Dun74, DS92a, DS92b, FT88, Fri62, Gib69, HVL17, Ja’80, JM78, Kam82, KB89, Kar81, KV94a, KEL61, Kne93, KS66, KR76, Liu69, MM81, MT88, Rit63, RS94, Roc94, SB82, Sav72, TZ16, We17, Win82, Zaf69, ANTV02, CSV09, MGLA00, OG96, DH94.

finite-horizon [MGLA00], Finite-Source [Kam82], Finite-State [BZ83, Liu69, OG96], Finite-Valued [TZ16], Finitely [Hul84], finiteness [Kif98].

First [AM90, BKMZ15, CBHH61, Che17, DP85, DH59, Gab16, KGS17, HN84, Her74, LW63a, LW63b, Man69, MG93, Phi62, Pic64b, Pic64a, PZ19, Rei80b, SK77, SW68, Ty63, Wil84, van72, BG98, BLSS03, BKL+06, DKT13, FG01].

First-Order [AM90, BKMZ15, Che17, Gab16, KGS17, HN84, Man69, PZ19, Rei80b, BG98, BLSS03, BKL+06, DKT13, FG01]. Fishspear [FP94].

Fitting [Aki70, AF58, Mae60, Mae63, SS58, VV63, JMM+03].

Fixpoint [AVV97, AM82, SN85].

Flow [BDF81, CT81, EK72, Ehr58, Fai67, GT88a, GT88b, GW76, HU74, Ita78, KU76, KR77, KS75, KL95, KOS74, LSA84, MS11, Mil79, REY77, ROC84, ROS79a, SCO58, SN85, STR83, BLO4a, BK09, CK09, GR98, KP03, LR99].


Foreword [BHM11]. Forests [SV19]. Flowcharts [BB85, Yel75]. Flowgraphs [Bak77, Mil79]. Flows [Joh87, ZAD72, ARV09, BLR10, CKL+07, KRV09, MMHW97].

Flowcut [CK09]. Flow-Shop [CT81, KS75]. Flowchart [Hum82a].


Formalism [SFR68]. Formalisms [Fis65b]. Formalization [Lon73, MP70a]. Formally [ABK16, Cha75]. Format [AB70, HY84, Lov69a, LR81, Rei71]. Formation [YUKY17]. Formed [Bur76]. Forms [Cav70, GL76, Ja’80, Ros67b, Wil59b, AL05].

Formula
[CL62]. **Formulae** [KV94a]. **Formulas** [AHK93, BE97, CO17, Cra55, Cra57, Dem92, DH59, Di 69b, Di 73, HP66, KLV94, LW63b, Ra159, Raz13, Sh077, Sur83, Tra69, ANP07, Ats04, Raz09, LW63a]. **Formulation** [MTZ60].

**Fortran-Compiled** [GHG60], **found** [Sh03]. **Foundation** [AAJS17, HW08, JSMM03]. **Foundations** [CM78, KLV94, MS96]. **Founded** [vRS91]. **Four** [But67, GKK74, Mye92, Kol04]. **Fourier** [BT96, CM67, Cru76, DA68, Hoc65, KL70, LMN93, Mor73, Pap79a, Pea06, Pea09, Roc94]. **Fourth** [Con57, Cra54, Cra57, Ano79]. **FP** [HWW90]. **Fractions** [Mac55, MB56, Mae60, Spi61]. **Fragment** [SDPF81, SDPF87, Ven87, MS04, Ott12]. **fragments** [tCL09]. **Frame** [KLW95]. **Frame-Based** [KLW95]. **Framework** [BG15, BS89, HH93, HS19]. **Frameworks** [HSTV14]. **Fredholm** [Fis58, Has70, Her74, KK70, SK77, SW68, Two63]. **Free** [Aho68, ACS61, ALS94, BBK93, Ben80, Bli72, But78, CRGM78, Cry70, DG84, Ell72, FOS14, FW74, Fre82b, GS63, GU66a, GU66b, GL76, GR74, Gor63, GH72, Gre65, Gre66, Gre69, Gri68, Har67, Hay76, Hu66, Hu57, IAWK83, KT69, Kor89, LR78, LW93, LT96, Man69, MSW83, Mey69, MMR15, Nau89, Par66, Pav72, Ros68, Ros70a, Ros70b, Sta82, Sud75, Sud78, AGHK09, BGM+98, DHT05, DRT00, IKL+99, Jay97, JCT98, JSMM03, Lee02, SS06a]. **Freedom** [Kam80]. **Freezing** [Mol18]. **Frequency** [FJ60]. **Frequent** [KMP+12]. **Fresenius** [AF77, Bra77, EPT18, Sci82]. **Full-Text** [AF77]. **Fully** [DST94, GIS99, DI05, HK99, HdLT01]. **fully-dynamic** [HdLT01]. **Function** [Ash64, BE62, CF59, FJ60, Gia64, GF60, Gre73, HP72a, HA56, LP15, Luk57, McK78, Mie57, MP63, MP66a, Nat67, Nau83, Nau89, Net67, Phu76, Pra60, She57a, She57b, Sho79, Weg69, dV71, FCB08, GJ12]. **Function-Free** [Nau89]. **Functional** [AMP73, ADS83, BDFS84, BV18, Cur59a, Cur59b, Fr63a, GZ22, Hon82, Lom61, MS81, MP70a, Vio87, KT99, RV07]. **Fundamental** [Kel73a]. **Further** [Har63b, Pag74]. **Fuzzy** [AJM80, Lee72].

**Gage** [Per54]. **Gallai** [SS13]. **Game** [AIK84, Ber63, Con91, Lai13, LT82, Nau83, Re180a, San69, SD69, Tar83, KZ98, Vaz12]. **Games** [ABS15, AHC19, BGG17, CH14, CV17, EY15, HM13, HM13, KV15, ARV08, FGY00, GS07, PR08]. **Gamma** [GF60]. **Gap** [Con72, KV15, Din07]. **Gaps**
[Bor72b, Bor72a, CK09]. Gates [Ben80, But78, Pip89, Ric73b]. Gaussian [Mar76, Ske79]. Gaver [BCPW74]. Gene [ZZ17, ALS09]. General [BJ66, BW57a, Bre74, BM62, Cud70, DPW18a, DST92a, DST92b, DG57, GT91, GP83, Kar68, Lie59, Por66, RC69, SB82, Sur87, Tit55, Wil77, vRS91, ACR98, BFU01, BGM+98, CW96, DR03, MT10, CI74a].

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generalizations [MMW07, Niv10]. Generalized [AK70, AS54, Bab75, Bai66, BIW63, BD87, BB61, CH86, CH88, CL62, Cur61, Cur63a, DLN73, DP85, Dye68, Erd66, GMS09, GS64, GJ82, GJ88, HP73, NS82, Oli67, Pic64b, Py64, RP89, Yeh68, Yoe65, MSVV07, Noe79, SS06c, ZW03].

Generals [Bra87, LSP82, Lam83]. Generated [BR71, Hou58b]. Generating [BBK93, CLW95, Ehr73, HHHN14, Hob93, LY61, LR77, Mow67, Mul59, MC72, Zer85, BP03a]. Generation [AJ76, AJU77, AM78b, BL75, BS76, Cha72, CU59, Cov60, Den61, Fis65a, Gib69, GLW70, MB56, Mos54, Nat67, Nev70, PGE75, Pro80, RV78, SU70, Spr92, Van67, Win82, YCW99, BF01, DFSL14, Fis90].

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Genus [FGM88, HI92, DFHT05]. Geometric [ABC17, DL19, DS91, Hod70, Shi10, Aro98, ARV09, BFJ+03, BGM+98, CS11, Mul11, OR02, RV07].

Gershgorin [Smi70]. Getting [Lam03]. GFSR [Tez87]. Given [BM92, Fit60, Kal88, RG67]. Givens [Cau58, CD94, Joh61]. Global [BNR13, BN13, GW76, KU76, Kou77, Wi78, AAP96, DR00, vD95, vD97].

Globally [Was80]. go [Ram88, LS80]. Goal [Nev70, GJS12]. goal-oriented [GJS12].

Goals [LR81, Gra03]. Goes [HZ92]. Going [PZ19]. Golden [Got03].

Good [Cia79, Raz19, Tar75, KVV04]. Gossip [Hae15, Hae16, GGGK13, KKD04]. GPS [Ern69]. Gradient [KH64, Py64].

Graeffe [Bar60, Bui58a, Gra63, Wei60]. Grained [CD94, BGM99].

Grammar [CR86a, GG74, GL76, HS78a, HS78b, Hum82b, Lee02]. Grammars [ABL80, Aho68, Bea82, CS68, Cud70, Dll89, EFS9, GH72, Gru65, Hib74, Hum84, Jaz81, KT69, MSW83, MP72, Mel67, Mic76, MLS76, Pav72, Ros67b, Ros69, San72, Boy05, EY09, NV02, RSH99].

Grammatical [HST71, KS63, MSW82]. grand [Fei03, Hao03]. Graph [AGPT16, ACP93, AK84, AM70, ADS83, BBE70, BDHS12, BLR14, BE97, Blu94, Che17, CDMP92, CG70b, CFG+17, DM87, DHK19, Fre91, FGM88, GGS89, GT91, GJ76a, GM81, GS93, HMR83, Hsu75, Ja84, JRS+14, KRV90, KV94b, KNY19, LaP93, Leh74, LW93, LB79, MB85, Mar76, ME67, MB83, MH+88, Mo18, MT86, Pav72, PS78, Pfa72, Sha70b, Sup83, TSOA80, Wan74a, Wei72, Wgl83, ARV09, BK09, CFM10, EGIN97, FGY00, HMR+10, HK99, KMS89, Kor08, SGP11, SW01].

Graph-Like [Che17]. Graph-Matching [GT91]. Graph-Representable [Sha70b].

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[ADK17, APY91, Bak94, BHM11, Ber73, BJM79, BP15, CM93, CDRS93, CNP85, DK65, EBA72, EPL72, FOS14, GSH89, Gab76, GHL87, Gib69, GKS17, GSV84, HI92, HU74, HKN18, Hsu87, Hsu88, IRT78, JMMW79, Kah95, KT17, Ker71, KPS19, Kov75, LMV16, MTTV97, MR87, Pfa75, PV76, Ram66, Ros72, SD76, SL71, Sla76, Str83, TNS82, Wag76, WLS85, Wel66, ACKM09, ATSWZ00, BKS10, CGP02, DFHT05, DKT13, DGP07, Gab06, GKS04, Gro12, HW04, KK13, SPK13].  
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**High-Rate** [KMRZS17, KSY14]. **High-Scanning-Rate** [Bau58b].

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**Higher** [Fis56, Fro61, Kob13, LGT14, NM90, PZ19, JR07].

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**Highly** [Ott12, ASV06].

**High-Speed** [BC54, Den58, Fra61, Leb56, AZ05].

**High-Security** [WYCF14].

**High-Security** [WYCF14].

**High-Speed** [BC54, Den58, Fra61, Leb56, AZ05].

**Higher** [Fis56, Fro61, Kob13, LGT14, NM90, PZ19, JR07].

**Higher-Order** [Kob13, LGT14, NM90, JR07].

**Highly** [Ott12, ASV06].

**High-Speed** [BC54, Den58, Fra61, Leb56, AZ05].

**Higher** [Fis56, Fro61, Kob13, LGT14, NM90, PZ19, JR07].

**Higher-Order** [Kob13, LGT14, NM90, JR07].

**Highly** [Ott12, ASV06].

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**Ideal** [Coh55, GP18a, LPR13, BEP09, Hal07].

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**Like** [AM80, GG61, Goe61, Lei91, Liv60, Nag61, WSD59]. **Letters** [Erc60, PGE75]. **Level** [HLS77, HR63b, HR63a, ILP97, LW08]. **Level-Clocked** [ILP97]. **Levels** [Zar59]. **Lewis** [HHR97]. **Lexicographic** [AG86]. **Lie** [BK72].

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**Like** [AM80, GG61, Goe61, Lei91, Liv60, Nag61, WSD59]. **Letters** [Erc60, PGE75]. **Level** [HLS77, HR63b, HR63a, ILP97, LW08]. **Level-Clocked** [ILP97]. **Levels** [Zar59]. **Lewis** [HHR97]. **Lexicographic** [AG86]. **Lie** [BK72]. **Life** [Wis54].

**Like** [AM80, GG61, Goe61, Lei91, Liv60, Nag61, WSD59]. **Letters** [Erc60, PGE75]. **Level** [HLS77, HR63b, HR63a, ILP97, LW08]. **Level-Clocked** [ILP97]. **Levels** [Zar59]. **Lewis** [HHR97]. **Lexicographic** [AG86]. **Lie** [BK72]. **Life** [Wis54].

**Like** [AM80, GG61, Goe61, Lei91, Liv60, Nag61, WSD59]. **Letters** [Erc60, PGE75]. **Level** [HLS77, HR63b, HR63a, ILP97, LW08]. **Level-Clocked** [ILP97]. **Levels** [Zar59]. **Lewis** [HHR97]. **Lexicographic** [AG86]. **Lie** [BK72]. **Life** [Wis54].

**Like** [AM80, GG61, Goe61, Lei91, Liv60, Nag61, WSD59]. **Letters** [Erc60, PGE75]. **Level** [HLS77, HR63b, HR63a, ILP97, LW08]. **Level-Clocked** [ILP97]. **Levels** [Zar59]. **Lewis** [HHR97]. **Lexicographic** [AG86]. **Lie** [BK72]. **Life** [Wis54].
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[Aki70, Alo60, AVB60, AMR11, BJ66, BI63, Ber54, Ber58, Boj84, But65, But79, Cal59, CM74, CD60, Cor63, Cry71, CV59, Dhm65, Dun65, Dun66, DG57, Ehr58, Fli60, Fra60, GC65, Gnu63, Gof71, GMV99, GF60, HH57, Han63, Has70, HHHN14, Hw67, H59, HP59, HR91, Jen73, Joh61, Joh93, Kei56, Kle67a, Leh61, Liu63, Lot56, Mar59, McL84, Mon68, Par55, Pet62, PT57, Py64, Rab66, RS63, Sal60, Shi69, Sho77, Sh070, Sig67, Ste67, SEY15, St64b, Tho57, TM66, TI70, Wal61, Wan93, War57, Was54, WEE60, WSD59, Winn5b, YS76, Zaf70, ACR98, KT68]. Methodology
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O [CAA74]. obfuscating [BGI+12]. Obfuscation [BV18]. **Object** [AK98, KLV95, VAAG97, Yak76, BN05, BY96, FG10, ZS99].

**Numerically** [CLW95]. obfuscating [BGI+12]. Obfuscation [BV18]. **Object** [AK98, KLV95, VAAG97, Yak76, BN05, BY96, FG10, ZS99].

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[Bol79, DP85, FB72, Pap79a, Rei72, Tay93, Yi12, YW73, OOW99].

Optimally [FL74]. Optimisation [WSY+19]. Optimization [AV88, AG73, Bea73a, Bea73b, BMR97, BG77, BR15, Ear74, Fai85, FMP+15, Fra69, FT87, GMSV93, HM13, HS90, MS18, RC70, Rot70, Shi69, You77, BFG03, CHW12, SSS96]. Optimized [Den61, GC65, GG61].

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Optimally [FL74]. Optimization [AV88, AG73, Bea73a, Bea73b, BMR97, BG77, BR15, Ear74, Fai85, FMP+15, Fra69, FT87, GMSV93, HM13, HS90, MS18, RC70, Rot70, Shi69, You77, BFG03, CHW12, SSS96]. Optimized [Den61, GC65, GG61].

Oracles [AV88, AG73, Bea73a, Bea73b, BMR97, BG77, BR15, Ear74, Fai85, FMP+15, Fra69, FT87, GMSV93, HM13, HS90, MS18, RC70, Rot70, Shi69, You77, BFG03, CHW12, SSS96]. Optimized [Den61, GC65, GG61].

Oracle [AV88, AG73, Bea73a, Bea73b, BMR97, BG77, BR15, Ear74, Fai85, FMP+15, Fra69, FT87, GMSV93, HM13, HS90, MS18, RC70, Rot70, Shi69, You77, BFG03, CHW12, SSS96]. Optimized [Den61, GC65, GG61].

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**Polynomials** [AF58, Boo65, FT88, Kal88, Rab66, RC86, Spi61, Wil78, Wil62, You67, BBC01].

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**Priorities** [Adi69, RA76].

**Priority** [Adi71a, Bab75, DLT07].
FP94, KK74, Leu93, NT93b, Sim84, Cha00a, MSU99, Tho07. **Privacy** [CKOR14, DJW14, BLR13, EFW10, FGY00, JRS09]. **Probabilistic** [AAHK94, AS98, BGBK12, BKK14, CHJS15, Con91, CM78, CY95, EPT18, Eli72, FKK11, GG78, IM83, Kar94, Ke90, KB81, MT85, MK60, MW84, NS06b, Pit89, Rac82, Sch80, SEY15, Adl05, CSV07, DS12, HP07, MPR98, RSG05, Tar08]. **Probabilistically** [Kam89]. **Probabilities** [AM80, CR86a, EC64, ME67, Wei62, ALS09]. **Probability** [AFR19, CC67, FH94, FH98, Gav67, GL71, HT93, OD67, She65a, She65b, Wi70, YW73, PSSZ13]. **Probe** [Gon81]. **Probing** [BBS90, MY80, PK87]. **Problem** [AF67, AHU76, AMOT90, BGP84, BMPT91, BBMN15, BJ66, BMT92, Bel62, BH74, BCS92, BN62, BM84, Brec70, BC73, Can62, CG70a, CF12, COW16, CD60, Co66, CNP85, CH84, Cur63b, DFS14, Den58, Di69b, Di73, Di89, DSt80, DM62, DG57, ER80a, Ehr58, Eli72, EGS82, ET76, ES81, FOS14, Fei84, FN93, Fre83, Fri63a, GM79, GG78, Gav83, GS57, GI63, Giv57, GT88b, GH87, GY80, GF80, Grl68, GI79, GI81, Gus83, Har76, HRS88, HW76, Hir77, HP59, Hoo66a, HS74, Jaz81, Jol71, Kan80, KL80, KW85, KIMS1, KR77, KS75, Kur62, LSP82, Lam83, Lam86a, Lam86b, Lin81, LR81, LW75, MM81, Men65, Mey84, Mic76, MP91, Moc71, MS16b, Net59, Oya87, Pag74, PW93, PB89, QH68, Rei80a, RKN75, Sal75, San69, Sch74]. **Problem** [SM90, Shi80, Spr92, Tai79, TW61, TTK66, TS74, Tsi70, Ukk82, Val15, WF74, WC74, WC76, Wri75, Yao82, You55, Zaf69, AZ06, BFJ+03, BKW03, Bul13, CLL+08, DGS01, GG13a, Hal07, KS96, Kho05, ORSS12, SV03, Sei02, SS06c, SM02]. **Problem-Solving** [EG82, QH68]. **Problems** [AIK84, ABS15, AK84, BIKK18, Bak94, BK14a, BH89, Ber54, Ber63, BHR84a, BMM18, BH65, BR54, BCLM56, Chi86, CM61, Col58, CC95, CKV90, Cry70, Cry71, Cud70, CFG+17, DJSW19, DH56, Dun65, Dun66, EC68, EK72, Ehr59, EF75, Esc60, FMS97, Fre79, FG79, GT91, GMSV93, GL71, GR63b, GC65, GH72, Gur85, GSV84, HPR15, Har57, HH63, Har69, HZ80, HL13, HM85b, HS86, HS87, HI61, Hsu88, HR77, HS78a, HS78b, Hsu82b, Hsu84, IK75, Iba78, IL83, IRT78, Ja83, Ja'84, KLM19, Kan83, KV15, Kir81, KS74, KNY19, Kou77, Laa58b, LM94a, LO85, LR65, LR77, LZ77, LY94, Mai78, MS18, MT85, MS11, MC03, Mey88, MTZ60, Mot94, NJ57, PY82, Ram80, RWM94, RP89, RKN75, Rot70, SG76, Sav84, Shi69]. **Problems** [Sla63, ST72, TNS82, Tar81a, Tar81b, Usm66, Val75, Was75, Wil91, WW18, Yan79, AS04, AR05, Aro98, ALM+98, BSSV03, BK10, Bul06, CK09, GW95, GG13b, Gro07, GMS10, HLP99, Hoc01, JV01, KT02, KPR04, KSS10, LMW02, Lib01, MGLA00, Red03, Ste03, Val03]. **Procedural** [Ros79a]. **Procedure** [Bar60, BV84, Ber73, Com68, CR56, DP60, FLSY74, Fri62, Fri63b, Gin67, GH59, KT69, Kow75, LR77, Lov69a, Mad66, Mat81, Men19, Mon65b, PPV60, Rub74, Sch61, Sha70a, Sho79, von56, NOT06]. **Procedures** [Aki70, And66, And65b, Blu71, Cas76, GR60, Har64, HC63, Joy76, JM60, LW93, LW57, Lom62, Lov72, Mac57, Mae60, Mos58, NO80, Sla64, Smi84, Sni76, Wun67]. **Process** [Bar60, BN71, BJL+82, Car58, FLP85, GGC+17,
Gra63, Smi79, BGJ10, MGLA00]. Processes [Apt83, BBK93, Bau58a, BR71, BHR84b, CDPP14, EY15, GS92b, MM79, She59a, BP01, CSV07].

Processing
[BLT93, BW91, BKS17, Blu58, Bry82, CW67, CN95, CAA74, Fox70, GHG60, GM61, HM85b, Im91, Kle66, Lon62, McG59, NT93b, Oet57, Orm61, Pap87, Pea67, Pea68, PGL76, RS66, RP66, SL68, SS79, Tre54, GHS09]. Processor [AK84, CMT70, CG93, FM180, Gab82, GS78b, HY75, KMT2a, Kne93, Lio82, Pri76, SC80]. Processor-Sharing [CMT70]. Processors [DJ81, FK85, Gen78, GK84, HS76, IK77, KA88, LL78, Pea69b].

Produced [Boy89, Two63]. Producing [MO56]. Product [BKK84, CHT77, CM83, CM96, DLN73, DHM65, HM13, Jain5, Mck87, SB82, Wee65, Wee67, dL89, Noc79]. Product-Form [CM83, CM96, Mck87, SB82, dL89]. Production [Man67a, Me56].

Products [Erd66, Kam89, Mor97]. Program [AGOW66, Ber63, Bra78, Bra67, BM62, Cha75, CB72, ER64b, Fri63a, Gor56, Gus83, HC88, HR63b, HR63a, Hun82a, Hun84, Kel73a, Kel73b, Log78, Log79, Lov77, Raml88, RD81, Rut64, Sch74, SFR68, Sla63, SB68, Smi82, Sun57, Tit55, TG82, Wan80, Weg76, DNS05, DPSV08, EKL10, Vaz12]. Programmability [Por66]. Programmed [Boy57, Ros69, MS59].

Programmers [Row57]. Programming [AM94, Ano79, AV82, BNNS94, BHK59, Bel60, Bel62, BS59, Bon70, CK79, Cla79, Cla95, CC95, CB72, DEL80, EC68, ER64b, EGGI92a, EGGI92b, Fei84, FN93, Fox70, Glu63, GM88, GB92, GB65, Gor57, Gra76, Gra62, Har76, Hel89, Hol62a, Hun82a, Kan50, Kan83, KH64, KB67, LS11, LL78, LR77, Lip75, McL65, Meg84, Mer75, MH82, MTZ60, Nev70, Pap81, Rem81, Rut55, Sch81, Srl85, Srl76, SR60, TI58, TS74, VK76, Wir68a, Wir68b, YL57, Yer66, GW95, KMS98, Lai13, Mye99, SS06b, Sku01, GK59]. Programs [AP83, ADH15, AK16, BL90, BL79, BK95, BKK14, BIZ18, BD77, Cha66a, Cha69a, Cha69b, Deb92, GMSV93, GI81, Gur85, Heh77, HL76, Hog81, IM83, IL83, Isr57, JM78, JM78, Kal88, Kob13, Kow79, Lee61, Man69, MP70a, Mat81, Pag74, Pht76, RV80, RS66, RS67, Ros94, SD69, SJ80, Tsi70, Weg88, Wei66, You77, vRS91, AB05, BN05, BGI+12, BV04, CW96, SS06b]. progress [Hal98]. Projection [Py64]. projections [McC03, Pac10]. Projects [DRY16]. Pronounceable [LY61]. Proof
[Apt83, ALM98, BD94, BV84, BG15, BM84, Cha70, CG93, Dav77, FLSY74, GMW91, GL70, GP18a, Haj83, Kow75, LFKN92, Man69, MH89, PPV60, Raz16, Sha88, She92, HN07, LMW05, MT10, OOW99, Raz03]. proof-of-compliance [LMW05]. Proofs [BD94, BB77, GMW91, GRK15, HZ92, MV15, NOS83, AS98, BSW01, BY96, FGL+96]. Propagated [Att57].Propagation [BCLM56, CO17, Gra55b, MMW07]. Proper [Di73, Fik59]. Properties [ABL80, AMP73, BB70, BKMZ15, Bol79, CLTZ18, Cha62, Cohl64, DL79, FH79, Fab63, Glu60, GZ82, GKS17, Her90, Hib62, Hoa78, Hod70, Hue80, LR72, LR78, LW93, Man69, MP70a, Mar13, Mon70, MP71a, MP71b, PS70, RS83, Ros68, Sei72,VV17, WS76, BKL+06, Cap02, CHL96,
Property [BB58, GGR98, KBI+17, KN91, Set74, Set75, Toy87, dS58, JRS09].

Property-Directed [KBI+17]. Proposed [Fis58]. Propositional [BK14b, CH91b, H891, Raz03, Raz16, Sag80, SDPF81, SDPF87, SC85, van72, EM07].

Prospects [GV61]. Protection [San88, GO96]. Protein [Sha67a, BER06, Shi10, XB06]. protein-protein [BER06]. Protocol [Bra87, SDS+18]. Protocols [AGPV90, BT85, CMS89, HZ92, KS83, MS92, MS16a, TL95, Aba99, AB05, AAF+01, BOG02, KKD04, MPR98, PD98].

Provable [ADG15]. Provably [ADF+16, BGM99, LS95, You77]. Provenance [GUK+16]. Prover [Win82, DNS05]. Provers [de 86]. Provide [Wil87]. providing [BN01]. Proving [And81, BM75, BBEG18, Cha70, FL88, GNRS92, Hen79, HR91, KBI+17, Lov68, Lov69b, Lov69a, Nev74, Ove74, Pet76, Rob63, Sho77, Sla67, SB68, Sla72b, Sla74, Sti73, Wan93, WS76, WRC65, WRC67, Dix73]. Prune [HPR15]. Pseudo [BB58, Boy89, BL66, Cer58, Cov60, Gre61, Gru70, HP72a, Mos54, Per56, Rot60, Smi71a, Sto64a, TRA71, Van67, ANP+04, NR04].


QIP [JJUW11]. QR [CR86b]. Quadratic [AM85, FJ60, Phu76, Rub15, Sku01]. Quadrature [Gat83, L792, Lyn69, Mor59, Ral59, Ric75, Two63, Wer79]. Quadratic [Wei66].

Quadrilateral [KP71]. Quadratrees [Sam81]. Qualitative [BGG17, DFPP02, BT00]. Quality [ABK16, Nau83]. Quanta [PGL76]. Quantification [DP60]. Quantifier [PZ19, BR96, Bas99, KK13].

Quantifiers [Tor91]. Quantifying [RS09b]. Quantile [Igl76]. Quantized [MP71a, MP71b]. Quadrant [AS04, BBC+01, BN79, Bro82, HM13, HZ16, MS16a, Um15, ANTSV02, AKS12, Hal07, HMR+10, JRS09, May01, NS06a, RS00, Sho03]. Quasi [Cry67, Mon68, Zel68, RS09a]. Quasi-Euclidean [Mon68]. Quasi-Linear [Cry67]. Quasi-Newton [Zel68]. quasi-polynomial [RS09a]. Quasicyclic [Han62]. Quasilinear [Sch78]. Queries [AGK+17, AHK93, BC81, BKK+18, CM87, CY82, ES17, Fre81, GS92a, GUK+16, GLVV12, HN84, Klu88, Mara13, Sagi91, ADK06, BL00, Cha10, CC04, Chi86, Cn07, DS12, FFMM08, GLS01].
Query [ABB+17, Bab16, BKS17, BSKK+16, Che17, CST+18, FFG02, Imai91, Klou82, KMRZS17, KUB+15, Rei86, Wi91, AK98, ALO8, BD LW98, BLSS03, BKW03, GKP05, Kif98, MR10a, NV02, Van07, Yek08, tCL09]. Query-Based [KUB+15]. Querying [BLR14, LMV16]. Question [Coo64, Koc69, Coo03]. Question-Based [KUB+15]. Querying [BLR14, LMV16]. Question [Coo64, Koc69, Coo03]. Queue [SAM69, Adi71a, AHY73, Bab75, Cof69a, Cof69b, Del70, FPP94, Kam92, Kne93, Kob74a, Laz84, LS71, MM84, Rid76, dL89, Cha00a, LMNM03]. Queue-Dependent [Del70]. Queue-Length [dL89]. queued [LMNM03]. Queueing [ADW68, BMT89, Bra77, CHT77, CM83, CK68, DLT94, Del70, HP72b, IW71, Kle66, KM72a, KT90, Kob74a, Kob74b, KR76, Leu93, Mac77, MC74, OM78, One75, PKT90, Ras70, TPH86, Van78, Noe79]. Queues [Adi69, Adi73, BCM75, BKK84, Cho80, CI74a, FACP81, HM72, IS78, JMG93, Oma77, PTW88, RA76, SD83, Sim84, Tar72, Tho07]. Queuing [BL90, CM96, CLW95, CG86, DCKT92, ES86, Gla91, GM92, Haj83, HP90, Hof84, Lam82, McK87, MY84, RL80, RL81, RTW94, SB82, SM81, Sur83, Tow80, TW88, dL89, BKR+01]. Quotients [GS63].

[BLT93, CW65, Col71a, ES17, EV62a, EV62b, FMNP19, Fis65a, FMR72, Gal81, GH68, GMvN59, Hei71, Hol62a, Isr57, La 64, LS81a, LL73, MS19, Man67a, MC70, Oya87, Ros67a, Ros68, Rub55, Sch64, TW61, Ukk82, Wan74b, Yak76, von56, Bas99, KT99]. **Real-Time**

[BLT93, Col71a, Fis65a, FMR72, GH68, Isr57, LS81a, Man67a, MC70, Oya87, Ros67a, Ros68, Rub55, Sch64, TW61, FMNP19, KT99]. **Realistic** [CMS89].

**Realization** [CEW58, Gil66b, PPV60]. **Really** [AH94, ES15]. **Reason** [KR97]. **Reasonable** [Doy65]. **Reasoning** [ABK16, BNR13, BN13, FH94, FH98, GS92b, GS93, KKMO18, KJJ03, NB95, Opp80, Wan93, BMSS09, DFPP02, FH01, HP07]. **RECAL** [CG86].

**Recognition** [Alt62, Ble66, Chu65, CC67, Doy62, DW64, EC64, GS78a, Gla57, Gre66, Gw86, Har67, Hs68, Kel61, Lyn77, MF63, McA93, O’C65, DR00]. **Recognizes** [Hue73, Hue74]. **Recognizing** [GSH89, Hsu87, Joh71].

**Recompression** [Jez16]. **Reconciliation** [ZZ17]. **Reconciling** [MR10b].

**Reconfiguration** [LS87]. **Reconstructing** [BKL99, Shu67a].

**reconstruction** [CS11]. **Recontamination** [LaP93]. **Record** [CC76b, ES76, CC76a]. **Recording** [Per54]. **Records** [GS73, MW78, Wol65].

**Recoverable** [TL95]. **Rectangle** [GL88b, MP86]. **rectangular** [FV02, Zwi02]. **Rectilinear** [Hwa79, DKP98]. **Recurrence** [Cra55, Cra57, KMW67, Kar94]. **Recurrences** [DS13, HK77, Kun76, Rou01].

**recurrent** [OG96]. **Recursion** [IW91, JM86, Sch78, Fus90, Pit06, SP07].

**Recessive** [AM82, BL79, Blu67, BD77, Di 69b, EY09, EY15, Gau61b, GB74, HN84, HL66, LR72, Nau89, RV80, SS63, Tra69, JR07]. **Rercursively** [Cul79, ERR81, ER80b, GR63b, Opp80]. **Reduced** [Col67, DG57, Has70].

**Reducibilities** [Hom87]. **Reducibility** [CH91a, HU74, WLS85]. **Reduction** [AAJS17, ACPS93, Bra67, Ch90, Cur62, Gin59, Gra63, GH72, HWB56, IOT19, Lio71, LR81, RW88, Wei55, Wil99, ZL58, AFN04, BC05].

**Reductions** [Hue80, HS78a, HS78b, PS81b, RMK79, Wil87, Lib01].

**Redundancy** [Sch63]. **redux** [Via13a]. **References** [DS78]. **Refinement** [AGHR17, Mad66, Molo7, Bro97, CGJ’03, MMHW97]. **Refining** [XDB83].

**Refutation** [CS71]. **Refutational** [HR91]. **Refutations** [FW74]. **Regards** [EV57]. **Regenerative** [LS78, IL79]. **Region** [AAI86, BNR13, GSV15, MP91].

**Register** [BP01, BS76, CH86, CH88, HKMW66, LP73, RT69, SAG94, You58].

**Register-machine** [BP01]. **Registers** [Mow67]. **Regression** [CW17, Sh70, Srl76, Wal61]. **Regret** [AG17].

**Regular** [BLR14, BE97, Brz64, BC69, DKRW15, Fus82, GD64, Gin67, HV95, Kah95, Mye92, OF61, Sal66, ACKM09, ACM02, BCG07, BYC96, BP03a, KLSS05].

**Regularities** [Val75]. **Reinforcement** [Cun85]. **Relabeling** [ST72].


**Relational** [AV88, AV89, AVV97, ANV13, BK87, BDILW98, BL00, BC81,
CP84, Fag83, Gal86, GPV89, IL84, Klu82, Mai80, MH89, Men79, Rei86, SU82, SY80, SDPF81, SDPF87, AL05, GE01, WR03. Relations [BDFS84, Col70, FHS13, Gil66b, Gla65, Har74, HU68b, Iba77, KM67, Kar94, MW86, McA93, NB95, PF79, BG98, BLSS00, KMP00, KJJ03].

Relationships [Bea82, BW94, LBB67].

Relationships [Dav90, WM74, KT02].

Relationship [Bea82, BW94, LBB67].

Relationships [Dav90, WM74, KT02].

Relative [Ber75, KMR95, LF88, Sup83, JRS09].

Relativizations [XDB83].

Relativized [Ko90, Rac82].

Relativizing [LS86].

Relaxation [JM60, JV01].

Relaxations [CLRS16, Sku01].

Relaxed [SVN+13].

Relaxed-Memory [SVN+13].

Relaxing [AFH96].

Release [Mar82, Unr15].

Reliability [DI87, Had88, Jac54, WB97].

Reliable [AAF+94, FLMS93, BPC+12, CT96].

Remainder [Col67].

Remaindering [AB03].

Remarks [CM57, Mor60, Nag61, dV59, Liv60].

Removal [MS16b].

Renamable [Sla67].

Renaming [AACH+14, ABND+90, Lew78, CR12].

Renamings [Log78, Log79].

Rent [GMPZ17].

Repairable [LM94b, dG89].

Repeated [Gra55b, LR81].

Repeating [NR94].

Replicative [RC09].

Replacement [ADU71, MT19, OOW99].

Replacements [BHR19].

Replete [LF88].

Replicated [BDS87, Her90].

Replication [Wak69].

Report [You56, Hal98, Man03].

Reporting [Cha90a].

Reports [BT69].

Representable [Sha70b].

Representation [BK72, Das77, ERR81, ER80b, Har74, HP90, KSG68, Mat82, Muk68, Spi61, BN05].

Representations [Boo78, DST92a, DST92b, GB69c, GB70, HR63b, HR63a, MM84].

Representative [FLPS16, Lib01].

Represented [BBB+00].

Representing [Pfa75].

Reproducing [von66].

Require [AIK84, GS90, RW92].

Required [Spi69, Win65a, Win67].

Requirement [RS67, Yan79].

Requirements [BJL+82, CE72, GM70, Har67, Kar67].

Requires [CLRS16, Raz91, Lee02].

Requiring [CR56].

Resampling [HS19].

Research [Baz57, BK77b, Min67, Gra03, Hoa03].

Resequencing [BGP84, JMG93].

Residue [Kam87, Pap87].

Residues [Sho81, Wil91].

Resistance [Cha16].

Resolution [AB70, And68a, And68b, BE97, CS88a, DH86, Dix73, GFL87, HR78, Joy76, Lec72, Man67b, MR87, Raz04, Rei71, Rob65, Sla67, Sla70, Urq87, AA+01, BG01, GMPS00, MPR98, SW01, BS01].

Resolve [GW85].

Resolving [BCW85].

Resource [Dal73, DJSW19, JaSh3, KIM81, Llo82, AAP596, BNBYF+01, KK04].

Resources [TW88].

Respect [Leh57].

Response [Bro82, IS78].

responsibilities [Hal00].

restaurant [BGJ10].

restless [GMS10].

Restricted [PY82].

Restriction [WL85].

Restrictions [Mey88].

Restructuring [MP76].

Result [SW82, Wan78, SW01, B97].

result-checking [W97].

Resultant [Bar60, CE00].

Resultants [Col71b].

Results [Ble66, CM85, Di73, DV16, GJ78, Gen78, G84, Har63b, HS87, HU69, Jr15, JS82, Kap68, Kel73a, Ko90, Lio71, Pag74, Par55, Par61, PKT90, Rei71, TM73, Van67, AA+01, Bas99, CN06, Hås01, MM97].

Retiring [Hou57].

Retrieval [AF77, ACDF78, Bak62, BBH+87, B77b, CC76a,
Savage [DFPP02].

Scalable [KS11].

Scale--sensitive [ABDCBH97].

Scaling [BFGY19, GT91, Gia64, Lam82, Ske79, BKP07].

Scanning [Bau58b].

Scenario [CSV07].

Schaefer [BP15].

Schemata [GG74, Kel73a, Kel73b, Log78, Log79, Rut64].

Schematic [San88].

Secrecy [Aba99, AB05].

Secondary [GS73].

Self-Reproducing [von66].

Self-Stabilising [JRS14, DW04].

Self-Stabilizing [JRS14, DW04].

Semantic
Semantics [BG70, Gab16, GTWW77, LP14, Rey77, ST80, SN85, VK76, vRS91, vW96, Lai13]. Semaphore [Sta67].
Sojourn [BKK84, Kne93, McK87, MY84]. Sojourn-Time [MY84]. Solitude [AAHK94]. Solution

[BJ66, Boj84, BKT67, CG70a, CG67, CM60, CM61, Col58, Cry67, Cry70, Cur63b, Don59, EC68, Fis56, Fis58, Fra60, Fra58b, FR63, Gau59, Gau60, Gla65, Gra55b, HST76, Her74, HW67, Hoc65, HP59, HJ61, Hou58a, Kac79, Kar68, Kro67, Laa58a, Lau59, McC73, MR59, MR60, MR62, MP59, Mun65a, Phi62, Phi76, RG67, RKN75, SB82, Shi80, Sta56, Stot3, SW68, TW61, TW84, Two63, Usn66, Was81, Yon56, Zoh74, vdLL86, CR86a]. Solutions

[Abd71, BGP17, BH65, CK76, DLN73, DDFS14, Ehr59, KIM81, Laa58b, Lam86b, LV57, MO68, Os61, Pap84, Sig67, SL71, Yon55, Noe79, MW84]. Solvability [AF67, Coo66, Dî 73, GH64, MRR03]. Solvable [BK14a, CC95, Fri63a, HZ80, LZ77]. Solve [BC81]. Solver [San69]. Solvers [ADG15, SK78, CCM12]. Solves [Sla63]. Solving

[ABV60, ADH15, Ber54, BV04, BBEG18, BB94, CHT96, CR56, CD60, Cry71, Ehr58, EG82, FOS14, Fri73, Gat83, GC65, GSV84, Has70, Hen70, LO85, Leh61, LKK83, MS18, Mey85, Moo67, NOT06, QH68, Ram80, Rot70, SK77, Tar81a, Tho57, War57, Was71, RWM94]. Some

[AIK84, Adi71b, AM70, Ble66, Bui79, Cau58, CH56, EHR84, En74, EF75, Fei03, FL74, FW74, Fre79, Gen78, GR63b, Has01, Har64, Hib62, Hoa78, HU69, IRT78, Ja’83, JS82, Kap68, Kar67, KP90, Lio71, Lov72, Mai78, Man67b, MS74, Mit74, NJ57, Par61, PS81b, PR99, Rei72, RT88, Rob74, Rut55, ST74, She67, SD69, SRI76, SR71, TAR83, TM73, Tsa74, Ukk82, Vand71, WM74, vdSS89, PM71, Sal71a]. Sometimes [EH86, Rei86]. Sort

[GH86, NV95, RV87, Sob62, VH60]. Sorted [Wal88, Yao81b]. Sorting

[Beu70, FN62, Col87, CS88b, DPPS89, Flo60, Flo61a, FM70, Fri56, Goe61, Gr66, Goo11, Hie62, Hib63, HU59, Hor75, Hor78, IS56, Leh57, Liv60, Man66, Man79a, MBM89, MP75, Nag59, Nag61, NS82, NV95, Tar72, FCFM00, FG05, Hor99, KLOW00, Tho07]. sorting-complexity [FCFM00]. Sound

[Rei86, SAKS64]. Soundness [Bau85]. Source

[AAJS17, AFZG15, HKN18, Kam82, Lov77, Sch64, Tho99]. Source-to-Source [Lov77]. Sources [Par79, Par80, Kle99]. Space

[AMM09, BG15, Con91, DEL80, DM81, DG62, ET76, GS90, HHPW14, HSTV14, HP77, Hor78, J’83, LT82, LS80, LED76, Log79, Lyn77, Mcc76, PU89, Pip78, Ruz19, Re80a, Sav84, YUKY17, ATSWZ00, BSSV03, CRS01, FHS98, FLvMV05, Rei08]. Space-Bounded [Con91]. Space-Economical

[McC76]. Space-Efficient [HSTV14]. Space-Time

[DEL80, Log79, Sav84, AMM09]. Spacefilling [PB89]. Spaces

[HHHN14, KSU19, MP71a, MP71b, Smi71b]. span [VJ00]. Spanner [AB17]. Spanners [E5, FKR15]. Spanning

[Hwa79, KKT95, PY82, SL15, Sup83, ACO88, Cha00b, CHL01, HDLT01, PR02]. SPARQL [GUK+16]. Sparse

[AHPW19, BBS86, CEG86, EGGI92a, EGGI92b, FKS84, Gren66, GLW70, Joh77, Kam87, LS86, Lyn75, TY79, Wag76, CE00, CFM10, DKT13]. Sparsier [KN14]. Sparsification [DV14, EGIN97, AY13]. Sparsity [CW17]. Spatial
Sum-of-Squares [CKJ+06]. Summary [DHM65]. Summation [Kar81, KH64, RTW94]. Sums [Fre82a, DLT07, TKB95]. SUP [Sho77].

SUP-INF [Sho77]. super [Raz09]. super-polynomial [Raz09].


Supplement [Neu54a, Neu54b, Neu54c, Neu54d, Neu55a, Neu55b, Neu55c, Neu55d].


Sweeps [EF89]. Switch [DJM17, HW04]. switches [LMNM03]. Switching [Chu61, FGL77, Har66, Hay75, Hu57, KR77, Kis91, KB81, Liu63, MP75, Paw80, Pot17, Ric73b, Ric73a]. Sylvester [SS13]. Symbol [Flo61b, Wat61].

Symbolic [AAGT15, BS59, Ekl59, Gra62, GLW70, Ove66, Sla63, WL57, WH73, CGJ+03, PD98]. Symbols [Sho79, BP03a]. Symbolwise [BW94].

Symmetric [Boo65, Bun71, But78, Cor63, EV62a, EV62b, GMvN59, La 64, PP65, PT57, Reu84, Zie68, von56, AT11]. Symmetric-Definite [PP65].

Symmetry [BEPS16, DLT94, DMR08]. Symposium [Ano79, Gra77].

Synchronisation [LR19]. Synchronism [DDS87]. Synchronization [Awe85, CN95, DSS95, HZ00, Nic93, RC69, ST87, DW04, FHS98, LLW10].

Synchronized [NT93a]. Synchronizing [LMS85]. Synchronous [AFL83, DVSC77, FL87, YUKY17]. Synchroly [DFS88]. Synonymy [LBB67].

Syntax [CF68, Gil66a, KT69, KP80, LS68, MG93, MM79]. Syntax-Analysis [KT69].

Systematically [BF61]. Systems [Adi71b, AFL83, AG73, AF77, ACD78, ABND95, BL90, BW91, BBD+15, BBG89, BHK59, BZ14, BGH+95, BG15, Boo82, Bra77, BB61, Bly82, BC73, CD87a, Can62, Cas76, Cha74, CN95, CHJS15, Cla79, CM64, CK68, CMT70, Coo66, CKP17, Coo64, CI74a, CI74b, CH84, DM87, Den65, DI87, DG62, ER80a, EGM16, FH92, FK15, Fra60, Fra69, FR63, Fri56, GS92b, Gl91, GMW91, GSB8b, GLW70, Had88, HP90, HST76, HZ80, Hol62b, Hoo66a, Hoo66b, HR63b, HR63a, Hue80, HY77, IAWK83, Ig76, Kam80, Kar68, ...]
Kle60, Kle67b, KM72a, KSS75, KSS77, LS88, Leu93, LS71, Lom73, LM94b, LFKN92, Mac77, Man67b, ME67, McC73, McL65, MNO88, MS74, Mit74, Mit72, MC70, NT93a, NT93b, ŒWA91, Per67, Pri76, RC70, Ras70].

**Systems** [Ros73a, SM64, Sa66, SK80, Sla72a, SEY15, Sti65, Sur87, TT85, Toy87, TW84, Ver95, VV12, Wil77, Yan82, Yas67, dG89, AGL00, AT10, AT95, Bro97, CT96, EY09, FGY00, HV02, MS96, MRR03, TKB95]. **Systolic** [Ros73a, SM64, Sa66, SK64, Sla72a, SEY15, Sti65, Sur87, TT85, Toy87, TW84, Ver95, VV12, Wil77, Yan82, Yas67, dG89, AGL00, AT10, AT95, Bro97, CT96, EY09, FGY00, HV02, MS96, MRR03, TKB95].

**Table** [FKS84, Pap87, Ry78, TY79, BFG03]. **Tabled** [CW96]. **Tables** [Lar76, Mac57, Pag74, PU89, Pic64b, Pic64a, RS66, RS87, Yao81b, SS06a, WR03]. **Tabulation** [PT12]. **Tag** [CM64]. **Tagged** [Yel75]. takes [ST04].

**Taking** [BC93, Hal99a, Hal99b]. **Tape** [Bab63, Blu58, Bro64, ER64a, FMR72, GS65, Gli65, Har68, HS66, HWB56, HU68b, HU69, Iba72, LS81a, Sud75, Sud78]. **Tape-Bounded** [HU69, Sud75].

**Tapes** [Gin61b, JSV97]. **Tardos** [HS19]. **Tarjan** [Deo76]. **Task** [BBD+15, BCS92, BL89, Bru76, FK85, HB02, KSS75, KSS77, Man67a]. **Task-Scheduling** [KSS75, KSS77]. **Tasks** [AC81, BDF81, CR18, DJ81, GJ76b, GS90, IK77, MC70, Sah76, SC80]. **Tausworte** [TRA71, TRE73]. **Tautogies** [BE97]. **Taxonomic** [MG93].

**Taylor** [CBHH61]. **Tchebysheff** [dV59]. **TCP** [BFM+19, DGS01, LPW02]. **TCP/IP** [BFM+19]. **Technical** [BT69]. **Technique** [And65a, AB70, Bay72, BC74, Bri90, Den58, GM56, Jez16, KH64, PRR74, Phi62, Sob62, EGIN97].

**Techniques** [AM70, Bab63, BB77, CS85, ES76, GOS12, Gui78, Hof77, Hol62a, Idr57, Kle60, Lip57, RR64, Rut55, Sal63, ST73, SR60, Usm66, Niv10].

**technology** [Gra03]. **Telescoping** [Mae60]. **Teletype** [Pol64].

**temperature** [BKP07]. **Template** [SU82]. **Temporal** [AM90, AH94, BKMZ15, BMM18, CKP17, Dav17, Den89, EHL86, NB95, SC85, AKH02, BK10, KJJ03].

**Temporary** [PK80]. **Tensor** [DLN73, HM13, HL13, Raz13]. **Tensor-Rank** [Raz13]. **Term** [Gue80, Scr75, Toy87, Ven87, Yu75, YS82, YLS82, BT95, TKB95].

**Terminal** [Gav71, Gin58, Hbl61]. **Terminals** [LW57, Men65]. **Terminating** [Hun84]. **Termination** [AH92a, Bri90, TKB95, UV88]. **Terms** [Coo71, GK68, Kar81, Spi61].

**Ternary** [YR64]. **Test** [BFM+19]. **Testable** [KMRZS17, GS06]. **Testing** [BFR+13, Bra67, BR54, CST+18, DKT13, Gru63, GR17, GP18a, HK55, HM13, Hon82, HT74, Kam80, KNY19, Kro67, Len89, MSY81, O'C64, RD81, Set74, SSSU83, AB03, AC05, CSV07, GIS99, GGR98, GK99, Set75].

**Tests** [Gra55a, GSK95, Row57, Set78, UV88]. **tetrahedra** [ES09].

**Text** [AF77, BW94, BBH+87, Doy65, KR92, SL68, Sal73, BYG96, FM05]. **Textual** [SS82, FGMS05]. th [GLH57, HP59]. **Their** [BK95, CK15, CLW95, CS84, FT87, Gau59, Gau60, GMW91, GFL87, Iba78, KBI+17, MM79, Nat67, Nip90, OF61, PV76, ANP+04, Har64, LR99, Niv10, Nou83, O'C64].

**Them** [DA68, GMPZ17]. **Theorem**
Theorem-Proving [HR91, Lov68, Lov69b, Lov69a, Nev74, Ove74, Rob63, SB68, Slå74, Sti73, Dix73]. Theoremhood [van72]. Theorems [BB77, BM75, ESY85, Ros73a, Sla70, Smi70, CKL+07, LR99, Ros08, Rou01]. Theoretic [Cha74, CM78, FHV91, GS93, GI79, MH89, AL05, FGY00, KVW00, NR04]. Theoretical [AM70, EK72, Kle67b, KS74, MH82, Zad72, HS87]. theoretically [FCB08]. Theories [Baa93, BE91, CS71, CCM12, LS95, McD82, PS81b, Sho84, Slå72b, Slå74, BG98, NOT06]. Theory [AV82, ACPS93, AGS17, BL90, BK87, Blu67, BHR84b, BT71, Cha75, CLRS86, Cur63a, Cur63b, DP60, Ehr82, Glu63, GB92, Had88, Har66, Har69, HH71, Hol02b, HY84, IW91, KK70, Kep68, Kle66, KG74, Lam66a, MS19, Mau66, Nels67, Piel67, Piel73, RBCC19, Ras70, RZ19, SW98, SV85, Svo75, Ven87, Ver95, Wan57, WH80, Yeh68, You69, Zei72, von66, BLR13, BKR+01, DFPP02, EM07, FP13, GJS12, MN05, Mul11, Pele, SK96, SCD02, SN04, ZW03]. Thermocouple [Per54]. Thesis [Yao03]. Thin [ES15]. Thinning [SR71]. Third [CR56, Neg66, Zaf69, Gra77]. Third-Order [CR56]. Thompson [AG17]. Thoughts [Sal71a]. threads [CHL01]. Three [Al60, BM85, Bro03, CCSS14, CD87b, Com68, DV95, Kei56, Red03, RS94b, Rö84, Ros83, She57b, Val03, YUK17, Zar59, AHPSV97, BKL99, BT00, ES09]. Three-Dimensional [Com68, Ros83, YUK17, BKL99]. Three-Machine [Rö84]. Three-Point [Al60, Kei56]. Threeosomes [GP18b]. Threshold [Mol18, She65b, WYCF14, Win71, Fei98, She65a]. Thresholded [Skl70]. Throughput [BFY19]. Thue [Boo82, MNO88]. tick [DFSL14]. tick-generation [DFSL14]. Tight [AB17, AAHK94, AACH+14, AC08, CeLT00, CFG+17, DHK19, FG10, FV02, GST16, Kla85, LT82, LLW10, AZ08, Kol04]. tightness [vD97]. Time [AIK84, Adi69, AAI69, Adi71a, Adi71b, AM94, AGOW66, ADLS94, Bab75, BLT93, BBS86, BE11, Bar16, BSSV03, BZ14, Ber75, BN71, BP89, BGP17, BKK84, BK81, BK82, BDF81, BCL19, CW65, CMS89, Cho80, CW17, Col68, CK68, CMT70, CM93, Col71a, CR95, Coo71, CKV90, Dav17, DEL80, Del70, DV14, DSM1, DP14, DKF91, EFR07, EH86, FL88, Fis65a, FMR72, Flo60, Flo64, FLS18, FLvMV05, Fra69, FKS84, GHS89, GS78a, Gal81, Gal82, Gal95, GNP+93, GH68, GS93, GS76, GL88b, GV85, GR79, GS73, GS90, HS91, Hal98, HPR15, HP72b, HKN18, HW76, Hol62a, HU68b, HPV77, Hor78, Isr57, Ja83, Kam87, Kan83, KL86, KKT95, KT19, KS16, Kle67b, KM72a, KN81, Kne93, Kn61, Ko90, KW66, Lad75, LT82, LS81a, LED76, LS77]. Time [LL73, Log79, LB79, Man67a, Man75, Mát90, McK87, Meg84, MY84, MMR15, MC70, NBC72, NB96, OR90, Oya87, Paw80, Pip78, Pri76, Ras70, Raz19.
RV87, RS66, Rei80a, Rid76, Ros67a, Ros68, Rub55, SM64, SB82, SH88, Sav72, Sav84, SS79, SD83, Sch64, SFM78, Sev74, She67, Spe97, Spi69, SEY15, Shi65, TNS82, Tob82, TW61, TSOA80, Ukk82, Val15, Wag97, Win65a, Win67, vW96, AFN04, AGL10, AHK02, AZ05, Aro98, AMM09, BL04a, BP11, BM11, Cha01, CFB10, Coh00, FGMS05, FMNP19, Gro12, Hal07, HK99, HW04, JSV04, KP03, KT99, Kar00, KSY14, Kor08, KSS10, KVW00, OR02, PPSZ05, PSSZ13, RS09a, SSS06, ST04, Ste93, Th99, WB97, Hal02. **Time-Bounded** [Coo71]. **Time-Dependent** [OR90, Rid76]. **Time-Domain** [Sti65]. **Time-Shared** [CK68, KN81, KW66, Ras70, Kle67b]. **Time-Sharing** [Adi69, AAI69, Adi71a, Adi71b, AGOW66, Bab75, BN71, Cof68, Fra69, HP72b, NBC72, She67]. **Time-Space** [Ja’83, LT82, Pip78, Raz19, Rei80a, BSSV03, FLvMV05]. **time-varying** [AZ05]. **Time-work** [Spe97]. **Timed** [ACM02, FMNP19, Par79, Par80, Unr15]. **Timed-Release** [Unr15]. **Times** [AC81, BDF81, CAA74, IS78, KM74, KW66, Mar82, RKN75, SC80]. **Timestamp** [HHPW14, HV02]. **timestamping** [DW99]. **Timing** [ADLS94]. **Tolerance** [CF68, HSTV14, SMK18, UV88]. **Top** [CF68, HSTV14, SMK18, UV88]. **Topological** [Cry71, MP71a, MP71b, Nat67, BKL+06, HS99]. **Topologies** [Das77]. **Topology** [Cha72, KLPP15, TM73, CR12]. **Total** [Col70, HKN18, LW57, NW73, Sev74, BL04a]. **trace** [AT11]. **traceable** [DW99]. **traceback** [Adl05]. **Traced** [BIM95]. **traceroute** [ACKM09]. **Tracking** [AP95]. **Tractability** [Che17, McA93, GKS04]. **Tractable** [Mar13, NB95, CJJK00, GMS09, KJJ03]. **Trade** [Adl05, AGPV90, Da73, DEL80, DI05, HMR83, Ja’83, LT82, PU89, Pip78, Rei80a, Sav84, BPC+12, BSSV03]. **Trade-Off** [AGPV90, Da73, PU89, Pip78, Rei80a, BPC+12, BSSV03]. **Trade-Offs** [DEL80, Ja’83, Sav84, Adl05, DI05, HMR83, LT82]. **Tradeoff** [Log79]. **Tradeoffs** [Raz16, AMM09, Spe97]. **Trailing** [BFGL79, FG76]. **Trajectories** [LWS55]. **Transaction** [AV89, BBG89]. **Transaction-Based** [AV89]. **Transcendental** [AGHR17]. **Transactions** [AV88, BDFG19]. **Transcendental** [Lan59]. **Transcendents** [Dav77, RD81]. **Transcode** [HW55]. **Transcription** [Bla59]. **Transducers** [AD17, SMK18, ANV13]. **Transducing** [KR14]. **Transduction** [LS68]. **Transfer** [Abe80, GK58, HA56, JP84, Sal60]. **Transferability** [AGK+17]. **Transfinite** [HR91]. **Transform** [Bas58, DA68, KB81, LMN93, Mor73, NBC72, Pap79a, Pca68, Tit55, LZ01, Man01]. **Transformation** [BMT92, BH74, BD77, Lov77, VVAG97, Wan80, Wee62]. **Transformations** [Har86, Wil59b]. **Transformed** [But79]. **Transformer** [She65a, She65b]. **Transformers** [Hoa78]. **Transforming** [HP99, MLS76]. **Transforms** [Cru76, DA68, KN14, KL70, Wee66]. **Transient** [RW88]. **Transition** [Bav68, Lom73, OD67, BG96]. **Transition-Preserving** [Bav68].
Transitions [Jun03].  Transitive [EPL72, TS10, BG98, DI05].  Translated [Yer55].  Translating [AGG62, Got95b].  Translation [BM62, Bro58, DK59, Lyn77, Mey65, RR64, SFR68, Weg69, Zar59].  Translations [KP80].  Translator [Gra62].  Translator-Oriented [Gra62].  Transmission [DDWY93, MS92, TL95, BPC 12].  Transportation [Den58, DG57, Har76, Ram80, RKN75, ST73, TW61].  Transposing [Ber58, WSD59].  Trapdoor [BM92].  Trapezoids [AAI86].  Transposing [Ber58, WSD59].  Travelling [Bel62, PB89].  Traversal [HP76].  Traversing [Pap76].  Treatment [Bel62, Gra62].  Translator-Oriented [Gra62].  Transaction [AD17, BRS13, CH90, Cur61, Cur63a, CMN18, Dav90, DGM94, FM70, FL18, GSV15, Gav83, GS83, HP76, HR91, HY77, Hwa79, Mc76, MSM85, PSC81, Ro73a, SM18, Sta70, Tai79, ACK80, Cha00b, CT06, FCF00, FG99, FFG02, FG01, HlLT01, PR02, Ree03, Shi10, TS10].  Tree [AD17, BSR13, CH90, Cur61, Cur63a, CMN18, Dav90, DGM94, FM70, FL18, GSV15, Gav83, GS83, HP76, HR91, HY77, Hwa79, Mc76, MSM85, PSC81, Ro73a, SM18, Sta70, Tai79, ACK80, Cha00b, CT06, FCF00, FG99, FFG02, FG01, HlLT01, PR02, Ree03, Shi10, TS10].  tree-decomposable [FG01].  tree-decompositions [FFG02].  Tree-Manipulation [Ro73a].  Tree-Searching [Dav90].  Tree-to-String [SMK18].  Tree-to-Tree [Tai79].  Trees [AJ76, AM78a, ADK17, BC93, Bur76, Cha72, Dev86, FK16, GJ80, Got95a, Gre73, GSV84, Har86, Hen85, Hib62, HO82, JSS16, KLM19, KR89, KKT95, KW89, MT85, Nau83, NW73, Pfa75, Pro80, RR92, Ros79b, RP89, RV78, San69, SL15, SD69, ST85, Sni84, SF80, Spr92, ST72, Sta72, Sup83, Tar79, Tar83, Weg88, Wll87, Yan85, Y112, Zer85, Z17, vO93, AT07, BMSS09, CHL01, Drm03, FLMM09, GKS06, KZ98, MR98, Van07].  Treewidth [BHM11, GLV12].  Trench [Zoh69].  Triangle [WW18].  Triangles [GP18b].  Triangular [Wil9b].  Triangularization [Hon58c, Mor60].  Triangulation [KSW09, MR08, RS09a].  Triangulations [Rub15, BM11].  Tridiagonal [HST76, Ort60, Sto73].  Tridiagonalization [Hon58b].  Trie [CS77].  Tries [Sp90, BYG96].  Trimonial [LV57].  Trip [SD83].  Trip [Elg54, von62].  Triple-Diagonal [von62].  Trivalent [GHL*87].  True [BC14, GOS13].  Truncation [Gra55b, Lla58b, Wee60].  trust [LMW05].  Truth [LOS02, Mie57, Nat67, Net59, Pra60].  Truthful [BKS15, DV16, LS11].  Tshebysheff [Min57].  TSP [AKS15, KLSS05, TV19].  Tuned [Hob93].  Tunnel [HWW56].  Tuple [AG86].  Turing [Yao03, Arb61, Cas71, Cur65, Fis65b, Har68, HS66, HU69, Hum84, Kar67, LR65, RW63, Wan57, Wat61].  Turn [GN94, HMZ13].  Turn-Based [HMZ13].  turnip [HP99].  Two [AM85, BMSS09, BKT67, BS85, BL66, CCF84, Cal61, CD87b, Col68, CG93, CH79, CP91, DW64, Fes81, Gab82, GJ76b, GR62, GS65, GH70, GI82, HP72b, HS66, Hib61, HW67, HW76, HR63b, HR63a, ILP97, Ita78, JSV07, Kan80, KS66, KSG68, La 64, Lee80, Lip57, MR10a, Par61, PST8, Ram80, Rei71, Sal66, Shi80, Wag97, Wes67, Win82, de 86, vdILL86, BS88, CDT09, SS06c, GHKL11].  Two-Commodity [Ita78, Ram80].  Two-Dimensional [Cal61, Lee80].  Two-Level [HR63b, HR63a].  Two-line [Par61].  Two-Party [GHKL11].  Two-Phase [BS85, ILP97].  two-player [CDT09].  Two-Point [HW67].  Two-Processor [CG93, Gab82].  Two-query [MR10a].  two-server [SS06c].
Two-Tape [GS65, HS66]. Two-Variable [Fei84, Kan80, BMSS09].
Two-Way [CP91, GH70, GI82, KS66]. Typability [KTU94]. Type
[AGS17, Bak56, BBR54, Bau58a, Bon70, FLO83, Fro61, HK54, KV15, Pic73,
RBC19, Tra66, BT07, Cha00b, Che19, ORSS12, SP07, Tre54]. Types
[Boo82, Ehr82, Gin61b, HYC16, KU80, Wil87, AB05, FCB08]. Typing
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RBC19, Tra66, BT07, Cha00b, Che19, ORSS12, SP07, Tre54].

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Unbalanced [GUV09]. Unbounded [HN07]. Unboundedly [BKK14].
Uncountable [CPI94]. Uncountably [KT69]. Unconditional
[May01]. Uncoupled [CS85]. Undecidability [BK14b, Har86, JS08, Wan74b].
Undecidable [GMSV93, Har69, HU68a]. Unrecognizable
[MP66b]. Unrelated [BBD15]. Unique
[ABS15, KV15, Pap84]. Uniqueness [PKT90]. Unit
[Ano68, Cha70, HW74, LM86, PGL76, Rub15]. Unitary [Hou85c, Mor60].
Units [Blu72, FMR72, FB75, LS81a]. Univariate [CD87a]. Universal
[ADK17, AAF1+1, BB95, Baz57, CF68, FK16, Gol82, Gor57, KBI17,
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Universality [CM64]. Unknown [YZJ18, DPK98, HB02]. Unknowns
[Mou65a]. Unsolvable [BM68, CS68, Di69b, Gre66, Gri68].
Unsolvability [GR]3a]. Unstructured [ABF+02]. Unsynchronised
[WSY+19]. Untrusted [MS16a]. Up-And-Down [TRA71]. Update
[Hal02, HKN18, Smi79, AS13]. Updated [GE01]. Updates
[CP84, Pap79b, Set82]. Updating [DHM65, Sin86]. Upon [Bak62, Smi70].
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Using [AGPT16, AGHR17, BB77, BC81, BKT67, BJL+82, Chau61, Cru76, Cry70, DNL73, Dea89, Dub66, GGS89, Gab06, GNRS92, Gau61a, Gla65, Gla63, GM56, HS78, Hoc65, HWB56, KTE68, Kow75, LY61, Mac55, MS16a, Mou68, Mou65b, Oli67, Pea67, PGE75, PT57, Pul55, Pyl64, Sal63, Sam81, SD76, Sev74, She14, Tar72, Ver95, Was80, Wee66, Win82, Yen72, YSS78, Zer85, dG89, FKL98, GW95, GK99, HV02, JV01, JMM+03, KOY09, KSW09, PD98, PMH09, Zwi02]. USSR [GV61].
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Value-Vector [Giv57]. Valued [CM78, Tre54]. Valuations [DV16]. Value [Ber54, BH65, CM61, Col58, Cry71, Dad88, DH56, Ehr59, Giv57, KK70, PKT90, RL80, TSG85, UsM66, Was71, Zaf69, BLP09, DJK08, ST80, RL81].
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[BHT18, CIV88, CP91, GGH67a, GH68, GH70, GI82, HZ92, HS71, KS66, LP15, SKM18]. **Weak**
[ADU72, AKN+08, BCL19, GYY80, Lam83, Sti73, CHL96, KOY09, Raz04].
**Weakest** [CHT96, KKM018]. **Weather** [CW67]. **Web** [GK04]. **websites** [CM04]. **Wedderburn** [Kle60]. **Weight**
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**Weighting** [YS76, YLS82]. **Weights** [CC17, Tho99]. **Weisfeiler** [KPS19].
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**Westwater** [Her74]. **Wheeler** [Man01]. **Which**
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**Widely** [Sti65, BY96]. **Width** [BIZ18, Hob89]. **Wilf** [Ema63]. **Wind**
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[AKMS11, ADH15, BLT93, Men15, NR94, Pel98]. **Word**
[FMS97, Gau61a, Jaf90, Jez16, LZ77, MF63, FSV06, KMP00, Pla04]. **Words**
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**Householder:1958:GER**


**Householder:1958:UTN**

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Hoffman:1959:MSB

Hamming:1966:CIF

Hammer:1972:MPB

Heacox:1972:ATT

Horowitz:1976:PST

Harrison:1990:RMI

Hannenhalli:1999:TCT
Halpern:2007:CRA


Har-Peled:2015:NPL


Hellerstein:1996:HMQ


Hopcroft:1977:TVS


House:1963:ECP


House:1963:CPO

Hunt:1977:ECP


Harrison:1978:AGR


Hsiang:1991:PRC


Huson:2002:GPM


Heath:1988:PMP


Haastad:2017:ACD


Haneman:1955:CCA

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Hopcroft:1968:RBT


Hopcroft:1969:SRT


Hecht:1974:CRF


Hueckel:1971:OWL


Hueckel:1973:LVO


Hueckel:1974:ELV


Huet:1980:CRA


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Hwang:1977:OBS


Hull:1984:FMT


Honda:2016:MAS


Henderson:1980:SPS


Halpern:1992:LKG


Herrmann:2016:CCQ


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Toshihide Ibaraki, Hussein M. Abdel-Wahab, and Tiko Kameda. Design of minimum-cost deadlock-free systems. *Journal of the
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Ibaraki:1977:PDR


Ibarra:1978:RBM


Inselberg:1987:CAP


Iwata:2001:CSP


Iglehart:1976:SSS


Ingargiola:1974:FOD

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Ibarra:1975:FAA


Ibarra:1977:HAS


Ikenmeyer:2019:CHF


Im:2017:CAC


Iglehart:1979:RSI


Ibarra:1983:SEP

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[IM83] Oscar H. Ibarra and Shlomo Moran. Probabilistic algorithms for deciding equivalence of straight-line programs. *Journal of the ACM*, 30(1):217–228, January 1983. CODEN JACOAH. ISSN 0004-5411 (print), 1557-735X (electronic). They study the complexity of deciding the equivalence of straight-line programs, i.e., those in which there are no loops, and only statements of the form \( x := y \), \( x := y + z \), \( x := y - z \), and \( x := y \ast z \) are permitted. Given two such programs \( P \) and \( Q \), Ibarra and Moran ask the question: Is \( P = Q \)? If the domain of the variables is an infinite field such as the integers, then they show that there exists a polynomial-time probabilistic algorithm to solve this problem. If the domain is a finite field, the problem is shown to be \( NP \)-hard.


Indyk:2006:SDP

Iwata:2019:IRD

Itai:1978:SMP

Isaac:1956:SAC

Iglehart:1978:RSR

Israel:1957:STT
REFERENCES


Jaffe:1983:DSR


Jaffar:1990:MCW


Jain:2015:NSD


Jayanti:1997:RWF


Jazayeri:1981:SCS


Jeavons:1997:CPC


Jayanti:1998:FTW

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Jeffrey:1956:AAD

Jenkins:1973:BMI

Jez:2016:RSP

Jez:2019:DCU

Jain:2011:QP

Johnson:1978:LBS

Jiang:2000:LBA
Juncosa:1960:ICR


Jones:1977:ESP


Jones:1978:CFM


Jean-Marie:1993:PQR


Jain:2003:GFL


Johnson:1979:RAF

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[Kam89] Michael Kaminski. A note on probabilistically verifying integer and polynomial products. *Journal of the ACM*, 36(1):142–149, January 1989. CODEN JACOAH. ISSN 0004-5411 (print), 1557-735X (electronic). URL http://www.acm.org/pubs/toc/Abstracts/0004-5411/214082.html. The author describes probabilistic algorithms for verifying the product of two \( n \)-bit integers in \( O(n) \) bit operations, and for verifying the product of two polynomials of degree \( n \) over integral domains in \( 4n + o(n) \) algebraic operations. The error probability is \( o\left(\frac{1}{n^{1+\epsilon}}\right) \) for any \( \epsilon > 0 \).

Kannan:1980:PAT


Kannan:1983:PTA


Kaplan:1968:SCR


Karp:1967:SBS


Karim:1968:TSG


Karr:1981:SFT


Karp:1994:PRR

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Kagiwada:1970:IVT


Katz:1974:PDL


Kolaitis:2013:RGP


Kempe:2004:SGR


Kaminski:2018:WPR


Karger:1995:RLT

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Klee:1967:MCC


Kleinrock:1967:TSS


Kleinberg:1999:ASH


Koch:1997:WPE


Kane:2019:NOL


Klopfenstein:1961:ZNF


Kutylowski:2000:PSC

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[Kifer:1995:LFO]


[Kleinrock:1972:PSQ]


[Konheim:1972:SLS]


[Konheim:1974:WLT]


[Karhumaki:2000:ELR]


[Kirsch:2012:ERA]

[KMP+12] Adam Kirsch, Michael Mitzenmacher, Andrea Pietracaprina, Geppino Pucci, Eli Upfal, and Fabio Vandin. An efficient rigorous approach for identifying statistically significant frequent


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Kobayashi:1974:ADAA


Kobayashi:1974:ADAB


Kobayashi:2013:MCH


Kochen:1969:AQA


Koltun:2004:ATU


Korolev:1958:CCC


Korth:1983:LPD

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2016. CODEN JACOAH. ISSN 0004-5411 (print), 1557-735X (electronic).


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Kung:1978:AAF


Knessl:1990:AEL


Kaplan:1999:PFR


Kleinberg:2002:AAC


Kawarabayashi:2017:CCG


Kawarabayashi:2019:DEC


Kfoury:1994:AMT

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Kolmogorov:2013:CCV


Korf:2005:FS


LaBudde:1964:TNC


Laasonen:1958:SPD


Laasonen:1958:TED


Ladner:1975:SPT


Laird:2013:GSP

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Lehmer:1961:MMS


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Leiner:1954:SSD


Leichner:1957:DCC


Leighton:1991:LE


Leighton:2003:J


Lengauer:1989:HPT


Lesh:1958:MSD

Leung:1993:ESS


Levin:2013:FI


Lewis:1978:RSC


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Leivant:1988:MRF


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Lenzen:2010:TBC

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Lamport:1985:SCP


Libkin:2016:QGD

Li:2002:CSS

Li:2005:BPC

Leiner:1959:PNM

Liu:1997:EBA

Lagarias:1985:SLD

Logrippo:1978:REM

Logrippo:1979:RMP
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Loizou:1969:NJC


Lombardi:1961:SHF


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Li:1989:NLB

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Maier:1980:MCR


Mamelak:1966:PCL


Manacher:1967:PSR


Mancino:1967:RIS


Manna:1969:PPF


Manacher:1975:NLT


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Michel:1974:SFQ

Mitra:1987:RPC
Debasis Mitra and Randall A. Cieslak. Randomized parallel communications on an extension of the Omega network. Journal of the ACM, 34(4):802–824, October 1987. CODEN JACOAH. ISSN 0004-5411 (print), 1557-735X (electronic). URL http://www.acm.org/pubs/toc/Abstracts/0004-5411/42226.html. This is an extension of Valiant and Aleliunas’ algorithm to eliminate the need for scheduling. This algorithm also works on networks of fixed degree nodes.

McAllester:1993:ART

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McClellan:1973:ESS


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Miller:1956:PCI

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[Moursund:1965:CSL]

[Moursund:1965:EMR]

[Mowle:1967:AGS]

[Mowle:1970:CNS]

[MP59]

[Mileto:1965:SCA]

[Mileto:1966:CSC]
Minsky:1966:USN


Manna:1970:FPF


Meyer:1970:NLS


Mylopoulos:1971:TPQa


Mylopoulos:1971:TPQb


McAfee:1972:ADS


Muller:1975:BCN

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Muller:1976:RAE


Mehlhorn:1986:RTR


Mitchell:1991:WRP


Mandow:2010:MSC


Miltersen:1996:ACM


Moshkovitz:2010:TQP


Motik:2010:RDL


Mostefaoui:2003:CIV


Mock:1959:SSP


Michie:1974:SBD


Muller:1989:IMD


Mansour:1992:IBP

Yishay Mansour and Baruch Schieber. The intractability of bounded protocols for on-line sequence transmission over non-


Malajovich:2019:TNC


Moran:1985:ART


Meghini:2001:MMI


Mansour:1991:LBI


Marek:1993:MLN


Mohring:1999:ASS

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MixBarrington:1988:FMF


Marek:1991:AL


Mehlhorn:1993:DIS


Moser:2010:CPG


Monniaux:2019:CCA


Miller:1997:SSP


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<th>Authors</th>
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<th>Volume</th>
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<td>MY79</td>
<td>Mendelson and Yechiali</td>
<td>Performance measures for ordered lists in random-access files</td>
<td>26(4):654–667</td>
<td>October 1979</td>
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<td>MY16</td>
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<td>Nag59</td>
<td>Nagler</td>
<td>Amphisbaenic sorting</td>
<td>6(4):459–468</td>
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Nayak:2006:LAQ


Nederhof:2006:PPS


Neiger:1993:SSC


Nelson:1993:PES


Nodine:1995:GSO


Neven:2002:ESD

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Oppen:1980:RAR


Ouaknine:2019:DMM


Orda:1990:SPM


O'Hearn:2000:APL


Ostrovsky:2002:PTA


Ostrovsky:2007:LDE

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Pagano:1976:LCC


Papadimitriou:1976:CET


Papadimitriou:1979:OFF


Papadimitriou:1979:SCD


Papadimitriou:1981:CIP


Papadimitriou:1982:TDC


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Pawlikowski:1980:MWT


Platzman:1989:SCP


Pong:1998:FVC


Pease:1967:MIU


Pease:1968:AFF


Pease:1969:IMP


Pease:1969:OLS


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Inductive inference machines construct total recursive functions $\phi(x)$ given examples of the input and output of $\phi$. Probabilistic inductive inference machines are permitted coin tosses while constructing $\phi$, and are only required to construct $\phi$ with probability $p$, $0 < p < 1$. This paper shows a discrete hierarchy of inferability parameterized by $p$, for $p \leq 1/2$. Any machine that can be constructed by probabilistic inference with $p > 1/2$ can also be constructed deterministically.


Sigmund N. Porter. Use of multiwrite for general programmability of search memories. *Journal of the ACM*, 13(3):369–373,
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Price:1976:NEC

Proskurowski:1980:GBT

Palmer:1974:EBC

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Peres:2013:APS


Pope:1957:MFR

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**Pyle:1964:GIC**


**Place:2019:GHF**


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Rao:1978:PAC


Rasch:1970:QTS


Razborov:2003:PPC


Raz:2004:RLB


Raz:2009:MLF


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Rosen:1979:DFA


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Rubin:2015:KDT


Ruschitzka:1982:PJC


Rutishauser:1955:SPT


Rutledge:1964:IPS


Rotem:1978:GBT


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Salomaa:1966:TCA


Salton:1969:PJ


Salton:1970:RAJ


Salton:1971:EST


Salton:1971:I


Salton:1972:EWC


Salton:1973:RSA


Samet:1981:CCL

Sanders:1965:DAC


Sandewall:1969:PPS


Santos:1972:NBG


Sandhu:1988:SPM


Santos:1996:LPF


Sarwate:1983:NNM


Savage:1972:CWT

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Schwartz:1961:ASP


Schwartz:1963:DMR


Schroeder:1964:IDS


Schwartz:1966:LPC


Schutzenberger:1968:RAS


Schultz:1972:SMM


Schubert:1974:ILR

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Schwartz:1980:FPA

Schonhage:1988:NLB

Sciore:1982:CAF

Scott:1958:APF

Smith:1962:MAN

Slagle:1969:ESP

Schmidt:1976:FBA
Douglas C. Schmidt and Larry E. Druffel. A fast backtracking algorithm to test directed graphs for isomorphism using distance

**Schassberger:1983:TRT**


**Sagiv:1981:EBR**


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**Stefanov:2018:POE**


**Seiden:2002:OPP**


**Selkow:1972:OPC**

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Sethi:1975:ETC


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Sethi:1982:UAM


Sevcik:1974:SMT


Stewart:2015:UBN


Solomon:1980:NEB

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Seiferas:1978:SNT

Sklansky:1968:FPT

Sahni:1976:CAP

Sarma:2011:EPG

Schank:1975:IPC

Sasaki:1988:TCM

Shaw:1966:DAC
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Shampine:1970:EPN

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Adi Shamir. IP = PSPACE. *Journal of the ACM*, 39(4):869–877, October 1992. CODEN JACOAH. ISSN 0004-5411 (print), 1557-735X (electronic). URL http://www.acm.org/pubs/toc/Abstracts/0004-5411/146609.html. This paper shows that the set of problems for which interactive protocols exist is precisely the set of problems which are solvable within polynomial space on a Turing machine.

Shenitzer:1957:CAC
Sherman:1957:DTP


Sheldon:1959:SNS


Shell:1959:SSC


Sheng:1965:CTL


Sheng:1965:TLE


Shemer:1967:SMC


Shen:1992:IPS


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Shrager:1970:NRL

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Spira:1969:TRG

Seshadhri:2013:DAS

Sprugnoli:1992:GBT

Stein:1960:CAD

Steffanelli:1971:SPT

Storer:1994:SPP
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Sippu:1983:CLK

Saks:1998:EDP

Srinivasan:1972:AAL

Srinivasan:1973:BCA

Shaw:1974:NME

Sethi:1980:CCV
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Stockmal:1964:CPR


Stoer:1964:DMC


Stone:1970:AMP


Stone:1973:EPA


Strong:1983:VEF


Sethi:1970:GOC


Sadri:1982:TDL

Shaltiel:2005:SEA

Sudborough:1975:NTB

Sudborough:1978:TCD

Summers:1977:MLP

Supowit:1983:RNG

Suri:1983:RQN

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Skyum:1985:CTB


Seiferas:1988:CE


Sahai:2003:CPS


Suciu:2006:I


Sebo:2019:SIP


Svečk:2013:CVC


Svoboda:1975:CTE

Stefankovic:2009:ASA


Strand:1968:SEN


Sagiv:1982:SDC


Stewart:1991:M


Stoer:1997:SMC


Sima:1998:TN

Siekmann:2001:ECW


Swartz:1980:PLS


Swift:1957:MFM


Sagiv:1980:EAR


Szpankowski:1990:PTA


Tai:1979:TTC

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