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Title word cross-reference

$(2 + \epsilon)$ [PS19]. (α, β) [BKMP10]. $(\Delta + 1)$ [BGK⁺22, HP22]. (h, k) [BEJK19].
 (k, l) [BDR23]. (k, r) [DFHT05]. $(\min, +)$ [CMWW19]. $(n - 1)$ [RW10a]. 1
[KN16]. $1 - 1/e$ [HTWZ19]. 1.5 [KN16]. 2
[ERV16, Fuj12, GS17, GILP16, HCT⁺11, HVV19, KN16, LMM⁺21, SS18].
 $2 + \epsilon$ [AGLW18]. 2.5545 [HCT⁺11]. 3 [CLL⁺12, FLL⁺19, Heg06]. $4/3$
[HVV19]. $4k^2$ [Tho10a, Tho10b]. β [ADGH21]. ℓ_1 [WW22]. ℓ_p [Wei22]. F
[ALM⁺20]. H [BCSV20, VWY10]. K
[DM09, BBB20, ABF⁺18, AMS06, BHW20, BEKN23, BPR⁺17, CGK20,
Cha10b, CV20, CMVZ16, DKR16, DKN17, FHR07, FN10, FPZ23, GIN⁺17,
GHN10a, GHN10b, GWZ21, HHL⁺16, HMS07, Lev09, Li17, LN22,
LBSZ21, PT16, RT22, RRS07, RZ12, SST22, WZ16]. k/r [GWZ21]. L
[GGI⁺21]. l_1 [BDW19]. M [HIMŽ19]. n [RW10a]. $n^{0.4}$ [BCAD23]. $n^{4/3}$
[Bon22]. $O(1)$ [BGK⁺22]. $O(\log k)$ [ACER19]. $O(\log n)$ [KK13]. $o(mn)$
[Cha12]. $O(n^2)$ [BS06a]. $O(n^{2.75})$ [AFM08]. $O(n^3)$ [GT08]. $O(n \log^2 n)$

[KMW10]. $O(n \log n)$ [BKM09b, BKM09a]. $O(nm)$ [CMA⁺19, KMMP07]. $O(VE)$ [DC05]. $O^*(2.7k)$ [LN22]. P_6 [GKPP22, LPV18]. r [GWZ21]. $s - t$ [CLS⁺22]. st [BSWN15, KW16b]. t [DP06].

-apices [SST22]. **-Approximating** [LMM⁺21]. **-Approximation** [BCAD23, HVV19, KN16, PS19, Fuj12, KK13]. **-ary** [DP06, RRS07]. **-Center** [CGK20, BHW20, DFHT05]. **-clustering** [Lev09]. **-Coloring** [BGK⁺22, HP22]. **-Colorings** [BCSV20]. **-Competitive** [ACER19]. **-Convex** [HIMŽ19]. **-Convolution** [CMWW19, Cha20]. **-CSP** [GS17]. **-Cut** [BSWN15, FPZ23, KW16b]. **-d** [DM09]. **-deletion** [ALM⁺20]. **-Edge** [GILP16, HVV19]. **-Facility** [ABF⁺18]. **-Forest** [DKN17, GHNR10a, GHNR10b]. **-free** [GKPP22, LPV18]. **-Heavy** [BDW19]. **-Hitting** [FLL⁺19]. **-Independence** [PT16]. **-Means** [BBB20]. **-Median** [BDR23, BPR⁺17, HHL⁺16, Li17]. **-Opt** [ERV16]. **-packings** [GGI⁺21]. **-Path** [GWZ21]. **-Paths** [LBSZ21]. **-permutations** [RW10a]. **-Plurality** [ADGH21]. **-restrictions** [AMS06]. **-Route** [CMVZ16]. **-Server** [BEJK19, BEKN23, CV20, FN10]. **-Set** [FLL⁺19, Cha10b, RW10a]. **-shredders** [Heg06]. **-Simple** [GWZ21]. **-Spanner** [DKR16]. **-spanners** [BKMP10]. **-subgraphs** [VWY10]. **-Submodular** [WZ16]. **-time** [KMW10]. **-traveling** [FHR07]. **-Walks** [SS18].

0.8776-Approximation [ABG16].

1-center [YLW08]. **1-median** [YLW08].

2-gathering [SZ10]. **2002** [Epp07]. **2007** [Gab09]. **2008** [HT10]. **2016** [BGN⁺18]. **2017** [MWY19]. **2019** [HK22]. **2020** [KADK22].

3-approximation [BPGN09]. **3SUM** [Cha20]. **3SUM-hard** [Cha20].

4-leaf [BLS08].

Access [ARS⁺14, BJKK18, CKR12, ELMR21]. **accesses** [CFLM07]. **Achieving** [APF⁺10]. **ACM** [BGN⁺18, HK22, KADK22]. **ACM-SIAM** [BGN⁺18, HK22, KADK22]. **Activation** [Fuk17]. **Acyclic** [HHM⁺18]. **Ad** [KMPS16]. **Adaptive** [BPL18, CW16, GM12, MPV10]. **Addendum** [GT16a]. **Adder** [BH19, HS18]. **Adding** [GW22]. **Additive** [BKMP10, BW21, RS11a]. **Adjustable** [DEK21]. **Adjusting** [Elm17]. **Admission** [AAG09]. **Adversarial** [CKR12, NE19, CDHW09]. **adversary** [AC10]. **Advertising** [AFH⁺16]. **Advice** [BFKR21, GP19]. **Affine** [VZ21, GMT11]. **Agents** [DP14]. **aggregation** [BMSV⁺09]. **Agnostic** [Wim16]. **agreeable** [JLSS12]. **agreement** [KKK⁺10]. **Algebraic** [AK18, CLL14, Vig14]. **Algebras** [KW16a]. **Algorithm** [ACER19, AFS18, AKS17, AKLR20, AER15, BKMV20, BDW19, BFPP18,

BKN21, CMA⁺19, CLL⁺12, CMV16, CJL17, CI17, CGMY22, DKN17, DS19, ERV16, FPS22, FGK⁺16, GKPP22, HHL⁺16, Hir19, HU20, HVV19, KKK18, KK13, KK16, KKR⁺20, KN16, MMS14, PRS20, AFM08, And10, AMM07, AR06, BB09, Blä08, BS10, BD11, CCKR11, DC05, CCM10, CKS05, Cla10, CNP⁺11, DMRW09, DS08, Dji10, DV10, EK07, EPR10, EFKN09, Fuj12, HMS07, IM12, JZ06, KY13, Kau07, KMW10, RW09, VH05]. **Algorithmic** [AMS06, BCFN07, GIKW19, HS17]. **Algorithms** [ASW08, ALM⁺20, ABF⁺18, AMW20, AMNS17, AKS21, ACE⁺23, AFK⁺18, BGGN16, BBHT17, BKN14, BEKN23, BODD⁺20, BGH19, BR14, BGN⁺18, BBM19, BBT12, BCMSM12, BSSX20, BF18, CHA18, Cab19, CFRY22, CLL14, CV20, CFM21, CMVZ16, CDHW09, CMY11, CDP19, DGM18, DHK16, DH18, DPS18, EFM⁺16, EW20, EN19, EHL⁺18, ELR⁺08, FLN14, FLK⁺20, FLPR12, GMP23a, GMP23b, GS17, GKM16, GHH22, GLLZ21, HH17, HKKK16, HT21, Har18, Har21, HL13, HK22, ISG07, JPS22, JCCW22, KADK22, KLP⁺16a, KBNvL20, KX19, KLP16b, KMPS16, Lac13, LNR⁺14, LMS18, LRS18, LPS⁺20, MV15, MP22, NS16, RS17, SST22, SHHA16, Swa16, AAK06, AMR09, AF07, AA14, AR09, AGvS13, AKL10, AKR12, BCD12, BKS12, BAT11, BFK⁺12, BCM11, BF07, CPR⁺11, CMO⁺08, CMM09, CKP12, CJST07]. **algorithms** [DFHT05, DI06, DJP⁺12, EF12, Elk11, Epp06, FP10, FZ07, GS09, GKLT09, GKK⁺09, GHPT05, HSS07, Iba08, IMY10, JR05, KNS⁺07, MV08, MZ12, PU07, PR08, RSS06, SZ10, YLW08, CEGK11]. **All-Or-Nothing** [AFH⁺16]. **All-Pairs** [KT18, Cha12, RS11a, MTZ10]. **Allocation** [AKS17, PS16, CCKR11, GN14]. **Allocations** [AMNS17]. **Almost** [AL13, DH18, CPL12, Elk05, FKW11]. **Alphabet** [BN14]. **Alphabet-Independent** [BN14]. **Alternating** [NRS18]. **Alternation** [BK08]. **amid** [AFS18]. **amnesic** [GLPP08]. **among** [CW15, FKS08]. **Amortized** [GHT18]. **Analysis** [BBHT17, BCKM20, BKK⁺19, ERV16, ER17, FN20, GHPT05, SCRS17, WNN15, dBBJW21, AAY10, AR09, BK08, BAT11, DMM⁺12, DI06, DK12, EP05, Epp06, FBV09, GN14, GR10]. **analytic** [SSS⁺11]. **Analyzing** [CCW18]. **Anarchy** [GHLL16, DHMZ12]. **ancestor** [GRR06]. **Ancestors** [Gab17]. **annotated** [GGN06]. **Annotations** [CCMT14]. **anonymity** [APF⁺10]. **Anonymous** [DP14, GMP17, MPY22]. **any** [FKW11]. **apices** [SST22]. **Application** [AFH⁺16, ARS⁺14, Coh18]. **Applications** [AZBG⁺22, ACE⁺20, BR16, CdM22, DEK21, DHK16, EK20, GIKW19, Hir19, HJT17, KMNS17, KW16a, LPS⁺20, Pre21, Swa16, AAY10, AG10, AZ08, BB08, DMM⁺12, FGPS08, FGGV06, FSP08, NW07, RRS07, VWY10]. **applied** [BM08]. **Approach** [BFGT16, BFH21, BFV22, Gab16, LMMW16, AAA⁺06, NW07, VB08]. **Approximability** [BG20, CGNS08]. **Approximate** [AEP18, AC10, AFK⁺15, BS06a, BCHR20, BSSX20, CW16, FJS14, GMP05, GLNS08, HLS07, LBSZ21, PP18, WY18, Wei22, AKR12, BFG09, CSTW12, Vis08]. **Approximately** [FGZ21]. **Approximating** [AAAdFM22, BDR23, CLNV14, CDKL20, Das13, DKR16, FR10, GGI⁺21,

GJL12, GGG10, GJNW23, HLS09, KR16, LMM⁺21, LMMW16, MR09, Mar10, Nut09, Nut12, Oum08, RT13, WY16, Man12]. **Approximation** [Adj19, ALM⁺20, ABF⁺18, AMNS17, AKS21, AGLW18, ABG16, BR14, BHPR19, BKM15, BCAD23, BPR⁺17, CFM21, CMVZ16, DHK16, DKN17, EFM⁺16, FGL⁺20, FKRS19, GKK⁺09, HKKK16, HHL⁺16, HW19, HL13, HVV19, IMY10, JMR19, JS23, JR05, KK13, KK16, KN16, KW16b, KNS⁺07, MMS14, MV08, NHK08, PS19, Swa16, TY18, BFKS14, BKLP07, BPGN09, Blä08, BKM09a, BKM09b, CCKR11, CGR08, Cla10, DJP⁺12, DV10, EFKN09, Fuj12, HIMY07, JZ06, Joh06, Kar08, Kar09, LDX09, RS09, SS08a, VH05, CPR⁺11]. **Approximations** [ASS19, FIM⁺06, Jac11, LM11]. **APSP** [AGW23, BGMW20, CW21]. **arbitrarily** [And09]. **Arbitrary** [BCP13, EP12]. **Arborescence** [FLK⁺20, DV10]. **Arboricity** [ELR20]. **arc** [GGN06]. **arc-annotated** [GGN06]. **Archipelagos** [GRS17]. **architectures** [NW07]. **Arrangement** [TY18, NS10]. **arrays** [FGGV06, LK08]. **Arrival** [BH19, LS20]. **Arrivals** [HTWZ19]. **Art** [BM20]. **ary** [DP06, RRS07]. **Ascending** [BGH19]. **Ascending-Price** [BGH19]. **Aspects** [HS17, BCFN07]. **Assignment** [AFH⁺16, BH12, MMS14, MS17, Soc16, CNP⁺11, HLS09, Jac11, LM11]. **Asymmetric** [AKS21, Blä08]. **Asymptotic** [HJT17, SS08a]. **Asymptotically** [FV19, GIN⁺17, HS18]. **asynchronous** [KKK⁺10, KS08]. **asynchronously** [CPL12]. **Atomic** [FKS08, CKK10a]. **Attachment** [ELMR21]. **auctions** [BLW09]. **Augmentation** [Adj19, MV15, Nut09, VB08]. **Augmenting** [KN16, EFKN09]. **automata** [AKL10]. **automaton** [CFI⁺08]. **Average** [AR08a, AR09, RKH20, WNN15, IM12]. **Average-case** [AR08a, AR09]. **axis** [CKS09]. **axis-parallel** [CKS09].

B [FV16]. **B-Tree** [FV16]. **back** [LY08]. **Backbone** [HT21]. **backtracking** [Epp06]. **Balance** [ABG16]. **Balanced** [AG10, HST15, LY08, SYZ20]. **Balancing** [BHS14, BKK⁺19, EDKM07, GMP05]. **Balls** [DT16, AHPSW10]. **Bandwidth** [CP12, BCFN07, EK06]. **bandwidths** [PRV11]. **Barrier** [GS18]. **based** [ABHS22, AMM07, BBM19, Cha10a, GN14, HMS12, MMS14, PU07]. **bases** [MM09]. **Basic** [DKR16, VZ21]. **basis** [NS09]. **Batch** [LS20]. **Batch-arrival** [LS20]. **Batched** [AK18, AAY10]. **batching** [BNGK⁺09]. **Bayesian** [GM12]. **be** [BGMW20]. **Beating** [Adj19, HTWZ19]. **Beats** [BBM19]. **Behaved** [FV19]. **Being** [ABG16, FLM⁺12]. **Bend** [BRW16]. **Berlekamp** [KY13]. **best** [FFM12, PUW08]. **best-response** [FFM12]. **Better** [ABG16, BKN14, BW21, FG08, Kar09]. **between** [AGW23, CCDL16, MA16]. **Beyond** [ABZ19, EHL⁺18, Har16, Li17, WZ16, ASS19, FGYZ22, PRS12]. **BFS** [PP16, PP18]. **Bi** [KR19]. **Bi-Monotonicity** [KR19]. **Biased** [ABG16, HSS22]. **bichromatic** [AAK06, Cha10b]. **Biclustering** [HL13]. **biconnected** [PS10]. **Bicriteria** [ABHS22, RS09, FN10]. **bidders** [BCC⁺10]. **Bidirected** [CFM21]. **bifamilies** [Nut12]. **Bin**

[EPR13, HCT⁺11, BNLT07, LK08]. **Binary**
 [FGL⁺20, HS18, HIMŽ19, STK16, BHMS11]. **Bipartite**
 [AKLR20, HTWZ19, Lau06, LM19, GKK10]. **bipartiteness** [Epp09c].
Bisection [ABG16, SS09]. **Bit** [BH19]. **bits** [PR08]. **Bivariate** [MA16].
Black [AHRT05]. **block** [FZ07]. **Bloom** [NE19]. **Boolean**
 [DHK16, FGYZ22, KKR19, Mas21]. **Bootstrapping** [FCFM09]. **Bottleneck**
 [AKS21, DS08]. **Bound** [AAdFM22, CRSS22, Kra14, Soc16, HCT⁺11].
Bounded [ACGP16, Adj19, BEJK19, Cab22, CDJS17, CDP19, ELR20,
 EFF⁺15, GSV20, GNSW20, JS23, LMS18, PPSV18, SHHA16, BEH⁺10,
 BHKK12, Dji10, KK06, MR09, MZ12, OGGW10, PRS12, Svi10].
bounded-degree [MR09]. **Bounded-Genus** [PPSV18]. **bounded-length**
 [KK06]. **Bounded-tree-width** [GNSW20]. **Bounding** [FGPS08]. **Bounds**
 [ACHKP21, ABHS22, BODD⁺20, BN15, BHD⁺21, BCK⁺20, CHG⁺17,
 CDKL20, CGH17, DLS14, HH17, Har19, JW13, KT18, SCRS17, WW22,
 WY18, AR08a, AGvS13, BD11, CGK⁺11, Cha10a, CV07, FGPS08, GHKS08,
 MSS11, PU07]. **box** [AHRT05]. **branch** [GT08]. **branch-decomposition**
 [GT08]. **Branching** [FPZ23]. **Branchings** [HHM⁺18]. **Breadth** [HKN17].
Breadth-First [HKN17]. **Breaking** [GS18]. **Broadcast**
 [BKN14, CEGK11, EK07, IM12]. **Brownian** [AZBG⁺22]. **Budget**
 [EFF⁺15, RS09]. **Budgeted** [BPR⁺17]. **Buffer**
 [AER15, CR18, AKM08, CJST07, GS09, RS11b]. **buffering** [LK08].
Building [RT22]. **Burden** [EMS23]. **buy** [BKLP07]. **Bypassing** [GRSW16].
Byzantine [KKK⁺10].

Cache [CR18, FV16, FLPR12]. **Cache-Efficient** [CR18]. **Cache-Oblivious**
 [CR18, FV16, FLPR12]. **Caching** [ACER19]. **Cake** [CF20, EP11, SHHA16].
Campaigns [AFH⁺16]. **Can** [BGMW20, BCM11]. **Cannot** [BGMW20].
Cap [Coh18]. **Capacitated**
 [JS23, Li17, MZ23, BH12, ELR⁺08, HKRL07, Hir19, JR05]. **Capacities**
 [Wan22, MV08]. **capacity** [AGG10]. **carpool** [CNP⁺11]. **Carry**
 [BH19, IP11]. **Case**
 [CHL⁺20, FGL⁺19, WNN15, AR08a, AR09, ADHY08, CFK⁺07, CV07].

Center
 [CN19, CGK20, HPJ21, HPST19, ASW08, BHW20, DFHT05, YLW08].
Center-Type [HPST19]. **Centrality** [AGW23]. **centralized** [Elk11].
Certification [GT16a, GT16b]. **chairman** [CNP⁺11]. **changes** [CFH07].
Channel [BJKK18, CKR12, Soc16]. **channels** [AZ07]. **Checkpointing**
 [BODD⁺20]. **Cheeger** [KW16b]. **Cheeger-Type** [KW16b]. **Chordal**
 [ALM⁺19, HSS07, Iba08]. **CIOQ** [AR06]. **Circuits** [BH19, FGLS19, HS18].
circular [NS10]. **Class** [HIMŽ19]. **Classes**
 [CDP19, KRS19, SST22, FP10, GKLT09]. **Classic** [dBBJW21]. **Classical**
 [BBHT17]. **Classification** [GLS10]. **Claus** [AFS12]. **Clique**
 [CDP19, FGL⁺19, HKP⁺18, Oum08]. **Clique-width**
 [CDP19, FGL⁺19, Oum08]. **cliques** [II09]. **Clocks** [ANFS17]. **Clones**

[BG20]. **Closed** [CMA⁺19, CEV21, SST22]. **closest** [AKS08]. **Closure** [Epp18, Rod08]. **Clustering** [ABS10, BHW20, BDR23, FKRS19, GMP23b, GLS10, RKH20, ZO08, APF⁺10, CGK⁺11, Epp09b, EV10, Lev09]. **CNF** [CDL⁺16]. **CNF-SAT** [CDL⁺16]. **Co** [Kra14]. **Co-Nondeterminism** [Kra14]. **Coalescence** [KMTS23]. **Coalescing** [KMTS23]. **coalitions** [FKS08]. **code** [KL06]. **Codes** [MN18]. **Coding** [CLL⁺12]. **Coin** [BBHT17]. **Collecting** [CJJ20, Fuk17, HKKN12]. **collections** [CHLS07]. **collective** [GLPP08]. **Color** [CLL⁺12]. **Colored** [EK20]. **Coloring** [BGK⁺22, CHL⁺20, FGL⁺19, HP22, SW20b, BNCS08, CKS09, DKT11, HKS11, PRV11, SS08a]. **Colorings** [BCSV20]. **Colors** [DLS14]. **Colouring** [GHH22]. **Column** [BSSX20, Joh05, Joh06, Joh07, Khu05, Khu06, Khu07]. **Column-sparse** [BSSX20]. **combination** [GHPT05]. **Combinatorial** [EF12]. **Combinatorial** [AKS17, AAdFM22, BST08, FGPS08, GM12, BCN12, FP10]. **combinatorics** [SSS⁺11]. **Combined** [VZ21]. **Commitment** [EMS23]. **Common** [AW19, BCAD23, CMA⁺19, Gab17, CLLJ08, CKS05]. **Communication** [KLPP23, KR16]. **community** [ZO08]. **Compact** [AGM⁺08, BB08, KRX16, CSTW12]. **Compacting** [CKL⁺09]. **Comparison** [Cha10a]. **Comparison-based** [Cha10a]. **Comparisons** [AFHN16, CGMY22]. **Competitive** [ACER19, AKM08, AER15, BEKN23, BAT11, GR10, LMMW16]. **Completeness** [BG21, GIKW19, Joh05, Joh06, Joh07]. **Completion** [BFPP18, BCK⁺20, GLP06]. **Complexes** [BS18]. **Complexity** [AAdFM22, BCC21, BCK⁺20, BBB20, CKP⁺19, CBFWW15, CF20, Das13, DHM⁺14a, DHPR16, FGZ21, GJLS17, KKR19, LM19, Mas21, dBBJW21, AK12a, BCMSM12, CEGK11, FLM⁺12]. **Component** [HKM⁺12]. **Components** [Lac13]. **Composition** [Neu22]. **Compositions** [Kra14]. **Compressed** [BN14, BFV22, CHLS07, CEK⁺21, FMMN07, FV16, Gaw13, Jez15, BFG09, FV10, MN08, RNO11]. **compressing** [FGGV06]. **Compression** [GMS19, KW14, FGGV06]. **Computation** [BPL18, BH19, CR18, CDP21, KKR⁺20, MN18, FIM⁺06, PT11]. **Computations** [FLS⁺18, FMS⁺10]. **Computed** [BGMW20]. **Computing** [AFN⁺18, AFS18, AMNS17, BF09, BCKV06, Cab22, CW15, CMV16, DGM18, Elk05, FGK⁺16, MA16, NZC11, RW10b, SS18, BB09, Dj10, EPR10]. **Concentration** [HH17, Har19]. **Conditional** [BKN21, KT18]. **conditions** [ST08]. **configuration** [HKS11]. **confinement** [AKPS10]. **conflict** [BNCS08, CKS09]. **conflict-free** [BNCS08, CKS09]. **conflicting** [GHKS08]. **Confusability** [CCKN19]. **Congestion** [KK16, CKK10a, FFM12, FKS08, Swa12]. **congruent** [CKS09]. **conjunctive** [CFK⁺07]. **Connected** [FLST18, HVV19, Lac13, SYZ20]. **Connectivity** [BK16, CHGG⁺17, CNP⁺22, Gab16, GILP16, IIK⁺23, KN16, MV15, CEGS11, CRV11, EFKN09, Kor10, Nut09, Nut12, VB08]. **Conquer** [GS17, HJT17, FGPS08]. **Consensus** [BBT12, CN14]. **consequence** [BGLZ09]. **Conservative** [BG20]. **Constant** [AW19, ATG⁺14, HHL⁺16, HP22, Jac11, AHRT05, VP07]. **Constant-time**

[HP22, AHRT05]. **constants** [IP11]. **Constrained** [ADD⁺18, BR16, CS11, EHR16, Mas21, BMSV⁺09, DKK06]. **Constraint** [AZBG⁺22, GRS17, GM14, CMM09, SS09]. **Constraints** [MS17, DH12, GLP06, JZ06]. **Constructing** [EN19, GW07, Elk11]. **construction** [AMS06]. **Constructions** [ES16, SCRS17]. **Constructive** [CHL⁺20]. **contact** [BGPV08]. **content** [BH12]. **Continuous** [CCW18, NW07]. **continuous-discrete** [NW07]. **contractible** [Cab10]. **Contractions** [CKL⁺21b, FPZ23]. **control** [AAG09, Hal12]. **Convergence** [CN14, EDKM07, GN14, FFM12]. **Convex** [BRW16, CDD⁺15, DEK21, HIMZ19, BB09, CAY10, GJL12, MSS11]. **Convolution** [CMWW19, Cha20]. **convolutions** [BF09]. **Coresets** [Cla10]. **Correction** [BPL18, AEL⁺12]. **Correlation** [BPR⁺17]. **Correlations** [KKK18]. **corridors** [GGG10]. **Corrigendum** [GHKS13]. **Cost** [BFCF⁺17, HJ15, MV15, AZ08, AKLR20, BKLP07, EKS05, Fuj12, IMM08, Lev09, Nut12, RS09]. **Cost-Oblivious** [BFCF⁺17]. **cost-sharing** [IMM08]. **cost-tree** [Fuj12]. **Costs** [Adj19, BRW16, ELR⁺08, ST10]. **Counting** [AFK⁺15, BCN12, BKK17, CW16, FGZ21, GRS17, GS17, GLSY23, LBSZ21, WY18, AC10, BCEG07]. **Cover** [ACS⁺22, DHK16, DKR16, ER16, INV16, KPR16, MMS14, AAG09, Fuj12, GKP08, HL06a, Kar09, Vis08]. **covered** [DC05]. **Covering** [GSV20, LPS⁺20, CMA⁺19, EKS05, HMS12]. **CoveringLSH** [Pag18]. **Covers** [Fuk17, GM14]. **Creation** [EFF⁺15, GHLL16, DHMZ12]. **Criteria** [ADV⁺16, GHKS08]. **cross** [IMM08]. **cross-monotonic** [IMM08]. **cryptography** [GHPT05]. **CSP** [GS17]. **CSPs** [CRZ20, KKR19, MWsZ23]. **Cuckoo** [DK12]. **Curse** [CJ18]. **Curved** [CW15]. **Curves** [BDR23, CdM22, EP12]. **Cut** [BCC21, BSWN15, CMVZ16, ER17, FPZ23, GHT18, KW16b, Wah22, CKL⁺09, CGR08]. **Cuts** [ACHKP21, BEH⁺10, CKL⁺09, PT11]. **Cutting** [CF20, SHHA16, EP11]. **Cycle** [AEL⁺12, BFGT16, CRSS22, FGL⁺19, KW14, CDEM10, GN08, KNS⁺07, LDX09, MM09, PT11, RW10a, HKM⁺12]. **Cycle-Finding** [CRSS22]. **Cycles** [GLSY23, Cab10]. **cyclic** [BS06b].

d [DM09, CLL⁺12, HCT⁺11]. **D-Matching** [CLL⁺12]. **DAGs** [GR10, HH17, MTK⁺19]. **Data** [BFV22, CCMT14, Gab17, GKS⁺11, GIN⁺17, HMZ16, SCRS17, AKS08, ACY12, BCEG07, BB08, CFLM07, DIL07, GHKS06, GHKS13, GLS10, GKK⁺09]. **databases** [CFK⁺07]. **dates** [KKW12]. **deadline** [CCL⁺09, GLP06]. **deadlines** [JLSS12]. **Deamortization** [BFH21]. **Deciding** [CCKN19, Kau07]. **Decision** [CPR⁺11, MTZ10]. **Decisions** [KR18]. **decoding** [AGKS07]. **decomposition** [AZ08, DMRW09, Epp09b, GT08]. **Decompositions** [CKS19, CKL⁺21b, KLP⁺16a, DC05]. **Decremental** [Lac13]. **Degeneracy** [CGH17, PRS12]. **Degenerate** [GLSY23]. **Degree** [HKP⁺18, BHKK12, MR09]. **Degree-4** [HKP⁺18]. **Delaunay** [OGGW10]. **Delay** [AGGP21, EK06]. **Delays** [FP13]. **Deletion** [ALM⁺19, ALM⁺23, CM15, STK16, ALM⁺20]. **Deletions** [ATG⁺14]. **Delta**

[KKR19]. **Delta-Matroids** [KKR19]. **demand** [CMS07, EK06]. **Dense** [KRS19, ST08, And10]. **density** [KP08, ST08]. **Dependent** [HSS22, KR18, CRR09, JMR19]. **Depth** [BEJK19, HS18]. **Derandomized** [Har19]. **Derandomizing** [CW21, CDP21]. **Derivative** [CDJS17]. **Descent** [Hir19, AKR12]. **Design** [BFV22, BK16, CLS⁺22, CEV21, AZ08, CKK10b, CGNS08, EKS05, JR05, KSS09]. **Despite** [DPP14, AC10]. **Detecting** [LN22]. **Detection** [BFGT16, AEL⁺12, HKM⁺12]. **Determining** [AR08b]. **Deterministic** [BCEG07, BNCS08, BKK⁺19, BF18, CHA18, CW21, CI17, DP14, FTK20, GP19, Har18, Lac13, LMPS18, LBSZ21, MPY22, NS16, TSZ14, MTZ10, Ruž08, Ruž09]. **deterministically** [KS08]. **DFTs** [HU20]. **Diagrams** [AK18, DHPR16, MP22]. **Dial** [GNR15, GHNR10a, GHNR10b]. **Dial-a-Ride** [GNR15]. **Diameter** [AGW23, Bon22, Cab19, Sol13, WY16]. **dictionaries** [BB08, FGI09, RRS07, Ruž08]. **Dictionary** [CEK⁺21]. **Dictionary-Compressed** [CEK⁺21]. **differ** [EK06]. **different** [Jan05]. **difficulty** [HSB07]. **Digraphs** [CRSS22, HHM⁺18, CRV11]. **Dilation** [GW22]. **Dilworth** [HHM⁺18]. **Dimension** [ACGP16, JS23, KRX16, CGK⁺11]. **Dimensional** [AEP18, CHLT14, HW19, WY18, GLS10, NS09]. **Dimensionality** [CJ18]. **Dimensions** [CHA18, FR10]. **Directed** [CCHM15, CDKL20, GILP16, BD11, CEGS11, EPR10, GN08, HKRL07, KMW10, NS10, RTZ08, RZ12, VB08]. **Direction** [ADD⁺18]. **Direction-Constrained** [ADD⁺18]. **Discontinuity** [CCW18]. **Discounted** [MTZ10]. **Discovering** [FKW11, GRS17]. **Discrepancy** [EPR13]. **Discrete** [AFK⁺15, BGN⁺18, BKN21, HK22, KADK22, NW07]. **Discretization** [KLPP23]. **Discs** [ACHM22]. **Disjoint** [AW19, KK13, KK16, CK07, CS07, DS11, GW07, ZO08]. **disks** [CKS09, GKK⁺09]. **displacements** [Jan05, Vio05]. **Disposal** [CHJ⁺18, SHHA16]. **Dissections** [FSP08]. **Distance** [ACGP16, AFN⁺18, AFK⁺15, BPL18, BW21, BGMW20, BKN21, CMT22, EP16, GS18, GW20, MA16, WY13, ABS10, AHPSW10, AK12a, BS06a, CSTW12, CW10, CM07, DMRW09, FR10, GLNS08, HPR14, MR09]. **Distances** [Cab19, GMV09]. **Distinct** [Bła20, KKW12]. **distortion** [Pet09]. **Distributed** [ASS19, AKR12, AKPS10, BHS14, BJKK18, CHL⁺20, GKP08, HT21, KMPS16, PRS20, SCRS17, CMY11]. **distributing** [FMS⁺10]. **Distribution** [CL22, HS17, LCS⁺19, BH12, CRV11, Vio05]. **Distribution-free** [LCS⁺19]. **Distribution-Sensitive** [CL22]. **Distributional** [WNN15, CDHW09]. **Distributions** [CDJS17]. **Divergent** [GT16a, GT16b]. **Diversification** [BJLY17]. **Divide** [HJT17]. **Divide-and-Conquer** [HJT17]. **Dividing** [HJT17]. **DNA** [KSS09]. **Do** [SZ20]. **Document** [SSTV23]. **Domain** [FGYZ22, Mas21]. **Domains** [VZ21, Wim16, OGGW10]. **dominance** [BST08, Epp09a]. **Dominating** [ASS19, BDH⁺20, FLST18, GS17, FGPS08, GKLT09, PRS12]. **Domination** [HMVW19, LPV18]. **Dominator** [GT16a, GT16b]. **Doors** [KR18]. **Dotted** [ALM⁺12]. **Doubling** [ACGP16, CGMZ16, CJ18, CJJ20, JS23, KRX16].

Doubly [SYZ20]. **Drawing** [BRW16]. **drawings** [BLPS13]. **Dual** [AD16, DH18, Hir19, WNN15, BCM11, VB08]. **Dual-Pivot** [AD16, WNN15]. **due** [KKW12]. **Dynamic** [ACS⁺22, AMW20, ALLS07, ANFS17, BCC⁺10, BFH21, BGK⁺22, BBM19, BJLY17, CN14, CL22, CKS19, GS18, HKN17, HP22, KP08, MN08, MTK⁺19, NS14, NS16, OSSW20, RST14, SW20b, Tao14, AKS08, AHTL05, BKS12, CHLS07, DI06, Elk11, Epp09a, GK09, Iba08, LK08, Rod08]. **Dynamics** [FV19, FFM12].

ear [DC05]. **Easy** [KPR16]. **Edge** [BHPR⁺20, BK16, CMA⁺19, CHL⁺20, CK07, GILP16, GM14, HVV19, IIK⁺23, KK13, KK16, KN16, MV15, RKH20, EFKN09, HKS11, MZ12, SS08a]. **Edge-Connectivity** [IIK⁺23, KN16, MV15, EFKN09]. **Edge-covering** [CMA⁺19]. **Edge-Disjoint** [KK13, KK16, CK07]. **Edges** [ADD⁺18, GW22]. **Edit** [BGMW20, GS18, AK12a, CM07, DMRW09]. **Editor** [Gab05].

Editorial [Alb10a, Alb10b, APP17, BGN⁺18, Coh21, RRSW16, Sri19, Buc08]. **Effective** [CLS⁺22]. **effectiveness** [Swa12]. **Efficient** [AAK06, AFS18, BFF⁺22, BS18, CFRY22, CR18, DH18, EN19, FGK⁺16, LPV18, MN18, SZ10, AAY10, AF07, ADHY08, MZ12]. **efficiently** [AGKS07, BKLP07, CAY10, Heg06]. **Eigenvalues** [TY18]. **Election** [ARS⁺14, CKP⁺19, GMP17, MPY22, KKK⁺10]. **element** [CS07]. **element-disjoint** [CS07]. **Elements** [Bla20]. **Elimination** [YB12]. **Embedded** [ADF⁺15, Cab10]. **Embedding** [ADD⁺18, BR16, LDX09]. **Embeddings** [AFT19, AEP18, CGR08, WW22, ABD⁺08, CMO⁺08, IN07]. **Emulators** [EN19]. **encoding** [FSP08, RRS07]. **Encodings** [GIN⁺17]. **End** [KMPS16]. **End-to-End** [KMPS16]. **Energy** [AF07, CKP⁺19, DH18, BCD12, CCL⁺09]. **Energy-Efficient** [DH18, AF07].

entity [CPR⁺11]. **Entropy** [CDI⁺12, GMS19, PU07, AMM07, CCM10, GMV09, MN08]. **Entropy-based** [PU07, AMM07]. **entropy-compressed** [MN08]. **Enumerating** [BDH⁺20, CMA⁺19]. **Enumeration** [II09]. **Enumerative** [HS17]. **Environments** [NE19]. **Envy** [SHHA16]. **Envy-Free** [SHHA16]. **equal** [GP08, IMY10]. **equal-length** [GP08]. **Equality** [Pre21]. **equals** [FGGV06]. **equations** [Epp06]. **Equilibria** [FGK⁺16, BCKV06, CV07]. **Equilibrium** [Das13, EDKM07]. **equitable** [CAY10]. **equivalence** [Kau07]. **Equivalences** [AGW23]. **Equivalent** [CMWW19, GMW20]. **erg** [PUW08]. **Error** [JW13, AKPS10, RS11a]. **Errors** [KT19]. **Essentially** [KPR16]. **Estimating** [EHL⁺18, CCM10]. **Estimation** [BHPR⁺20, GMV09]. **ETH** [KBNvL20]. **ETH-tight** [KBNvL20]. **Euclidean** [AFHS20, BKM15, CS08, Sol13]. **Eulerian** [FLM⁺12, KK13]. **Evaluation** [DHK16]. **Even** [CP12, KKR19]. **everywhere** [CPL12]. **evolution** [FBV09]. **Exact** [AFK⁺18, CMT22, CP12, GHT18, HJT17, Vio05, BFK⁺12]. **Excluded** [FLST18, LR15]. **excluding** [RW09]. **Expansion** [CLL⁺12, PR12].

Expected [DHPR16, BS06a]. **Experimental** [DI06]. **Experiments** [FGGV06]. **explicit** [RW10a]. **Exploitation** [GSV20]. **Exploration** [DP14, GP19, TSZ14, AGP⁺11, CFI⁺08, DKK06]. **Exponential** [ANFS17, CKP⁺19, CNP⁺22, DHM⁺14a, FP13, GKLT09, JMR22, KLP⁺16a]. **exponentially** [PR08]. **expression** [BFG09]. **extended** [HPR14]. **extension** [GN14, KMMP07]. **extensions** [BHZ13]. **External** [SSTV23, CFLM07, LK08]. **extreme** [GGM10].

face [DS11]. **Faces** [KBNvL20]. **Facility** [ABF⁺18, ANFS17, KS16, MP22, ST10, BH12, Fot11, FS11, MV08, Svi10, SS08b]. **Factor** [Adj19, HHL⁺16, Cha20, Jac11]. **Factors** [Neu22]. **Failing** [CMT22]. **Fair** [AKS17, PS16, GMP05, GN14]. **False** [Pag18]. **Families** [CEV21, FLPS17, GKM16, AG10]. **family** [ASS08]. **Fan** [HS18]. **Fan-Out** [HS18]. **Fast** [AL13, BHK⁺16, CN14, CJL17, ES16, HU20, KMST23, KKK⁺10, PT11, WY13, YZ05, BS10, BD11, KSS09, RW10b]. **Faster** [AKLR20, BKK17, BH19, CMV16, CD17, CP12, DGM18, EW20, FLN14, FPS22, FZ07, GS17, GW20, HW19, Jez15, Kar08, KKK18, KX19, KLP16b, LNR⁺14, RSS06, BG11, Dji10, Rod08, TM08, MM09]. **father** [SSS⁺11]. **Fault** [BCHR20, HHL⁺16, PP16, PP18, SS08b]. **Fault-Tolerant** [HHL⁺16, PP16, PP18, SS08b]. **Faulty** [KT19]. **Feedback** [ALM⁺19, CCHM15, KR18, LN22, LRS18, LMM⁺21, RSS06, Tho10a, Tho10b]. **Few** [BHK⁺16, KBNvL20, GW07]. **fewer** [PR08]. **FFT** [GKM16]. **FIFO** [And09]. **File** [BBM19]. **Fill** [BCK⁺20, KMM11]. **Fill-in** [BCK⁺20]. **fillup** [JS07]. **filter** [CDHW09, DH12]. **Filters** [NE19]. **Filtrations** [BS18]. **Find** [ATG⁺14, AAY10, RW09]. **Finding** [ALLT11, CDEM10, Cab10, CAY10, CRSS22, CSS21, FPS22, GN08, Heg06, HMS07, KKK18, MOR13, VWY10, And10, RSS06, Joh07]. **Fine** [dBBJW21]. **Fine-grained** [dBBJW21]. **finite** [BCN12, CFI⁺08]. **Firefighting** [ABZ19]. **First** [GIKW19, HKN17, EP05]. **First-order** [GIKW19]. **Fit** [CCDL16]. **Fixed** [BBM19, BBT12, CM15, CCHM15, DFHT05, DHM14b, FPS22, MV15, DJP⁺12, EKS05, KKW12, RSS06, CGK⁺11]. **Fixed-Parameter** [BBT12, CM15, CCHM15, DHM14b, MV15, DFHT05, CGK⁺11]. **Flajolet** [SSS⁺11]. **flash** [BAT11]. **flexible** [AR05]. **Flip** [BBT12, BCC21]. **Flips** [IIK⁺23]. **Flow** [AGLW18, KT18, AF07, AKR12, AGG10, BD07, BFKS14, BKMS11, CMS07, EF12, GMT11, HL06b, IM12, Kar08, TM08]. **Flows** [Wan22, BEH⁺10, EKS05]. **Fooling** [Har18]. **For-All** [GLPS17]. **Forbidden** [ACGP16, GJLS17]. **Forbidden-Set** [ACGP16]. **Forest** [BKM15, CDKL20, DKN17, GHNR10a, GHNR10b]. **Foreword** [CRR13, Epp07, Gab09, HT10, LOM06, Mat10, Gab05]. **Formulas** [KT19]. **formulation** [CKL⁺09]. **Foundations** [FJS14]. **Fourier** [MRR06]. **FPT** [BD11, CDP19]. **FPTAS** [KKW12]. **Fractional** [GM14, CKK10b, Kar08, Mar10]. **Framework** [Coh18, Har16, AKR12]. **Frank** [Cla10]. **Fréchet** [AFK⁺15, BKN21, CW10, HPR14]. **Free** [BFF⁺22, CHJ⁺18, GHLL16, KRX16, SHHA16, BNCS08, BDH⁺20, CKS09,

DKT11, FGZ21, GKPP22, LCS⁺19, LPV18, Saw06]. **Frequency** [Coh18].
Frugal [AT07]. **full** [FMMN07, KKK⁺10, MN08]. **full-text**
[FMMN07, MN08]. **Fully** [BKS12, BGK⁺22, CDP19, FLS⁺18, Iba08, Jez15,
NS14, NS16, OSSW20, AHTL05, Elk11, Rod08, RNO11]. **Function**
[BCP13, DHK16, DP06, SS09]. **Functional** [NS14, CMY11]. **Functions**
[BJLY17, CD17, Fel17, MPQS20, MA16, WZ16, AG10, GMT11, Vig14].
Fuzzy [BBB20].

galled [MSS11]. **Gallery** [BM20]. **Galois** [AK12b]. **Game**
[EFF⁺15, BCKV06]. **Games**
[ADGH21, FV19, CKK10a, DHMZ12, FFM12, FKS08, GMT11, Swa12]. **Gap**
[FP13, HKP⁺18]. **Gaps** [ABZ19]. **gas** [KMM11]. **Gasoline** [NRS18].
Gathering [DPP14, BKMSS11, RS11b, SZ10]. **General** [DPS18, ES16,
EP16, ERV16, GMS19, MWsZ23, AAA⁺06, JZ06, MR09, ABD⁺08].
General-valued [MWsZ23]. **Generalization**
[BR14, HHM⁺18, JCCW22, CF05]. **generalizations** [VB08]. **Generalized**
[ACER19, AFH⁺16, BEKN23, CN19, CV20, HU20, CGR08, HL06a, Lev09].
generate [BS10]. **Generating** [BBHT17, BHPR19, Saw06]. **Generators**
[ELMR21]. **Generic** [MRR06, RT22]. **Genus** [PPSV18, Dji10]. **Geodesic**
[Cab22, CW10, KR19, OGGW10]. **Geometric**
[ACS⁺22, CGK⁺11, Cha20, GGI⁺21, GS18, GRSW16, Vig14, BCEG07,
BCH⁺12, CCHP12, Epp09c, GLNS08]. **Geometry** [BFF⁺22]. **Getting**
[PUW08]. **Girth** [DKR16, RT13, Dji10]. **Gives** [DH18, CFR10]. **Good**
[ADK16, CFR10, Kol08]. **grained** [dBBJW21]. **Graph**
[AGW23, BRW16, CMA⁺19, CDP21, FGL⁺19, Gab16, GP19, GW22,
KMZ18, KN16, KRS19, SST22, SW20b, SYZ20, BKS12, BLPS13, CFI⁺08,
DFR09, DKK06, EFKN09, GKLT09, RW09, SS09, Wil10]. **Graphs**
[ACGP16, AFT19, ASS19, ADF⁺15, ADD⁺18, AKLR20, BDH⁺20, BSWN15,
BK16, Cab19, Cab22, CMT22, CEV21, CR18, CDP19, CGH17, DHK14,
DPS18, ES16, EP16, EHL⁺18, ELMR21, FGZ21, FLS⁺18, FLST18, GILP16,
GLSY23, GJNW23, GNSW20, GKPP22, JS23, KMST23, KK13, LR15,
LPV18, LMS18, LM19, OSSW20, PPSV18, Wan22, WY16, AS07, ALM⁺12,
ASS08, BFKS14, BS06a, BHKK12, BKM09a, BKM09b, BGPV08, BHLR10,
Cab10, DC05, Cha12, CEGS11, CSTW12, DS11, DFHT05, Dji10, DKT11,
EPR10, Epp09a, Epp09c, GKK10, GT08, HKRL07, HSS07, Iba08, KMW10,
KP08, KK06, Lau06, MR09, MZ12, PS10, PRV11, PRS12, RTZ08, RZ12,
RST14, VWY10, VH05, YB12]. **Gray** [KL06, MN18]. **Greedy**
[FN20, CKS05, Cla10, CNP⁺11, FP10, GR10, RS11b]. **Gromov** [AFN⁺18].
Group [DHK14, KW16a]. **Groups** [CZ18, Neu22, AMR09, AK12b].
Guarantees [TY18, BST08]. **Guarding** [AFK⁺18]. **Guessing** [AGKS07].
Guest [Buc08]. **guided** [CFI⁺08].

Hadamard [CI17]. **Half** [HJT17]. **halfplanes** [CKS09]. **Hamiltonian**
[FGL⁺19]. **Hanoi** [ASS08, BS06b, DS08]. **Hard**

[CDL⁺16, GKM16, BH12, Bon22, Cha20, Vis08]. **hard-capacitated** [BH12]. **Hardness** [BM20, BKN21, CMVZ16, DKR16, CPR⁺11, KNS⁺07, KM12]. **hash** [AG10]. **Hashing** [Pag18, DK12, Jan05, Vio05]. **Haste** [SHHA16]. **Hausdorff** [AHPSW10, AFN⁺18]. **haystacks** [Joh07]. **Heap** [CR18]. **Heaps** [Elm17, HKTZ17, KT08]. **heaviest** [VWY10]. **Heavy** [BDW19, BNS19]. **hidden** [FKW11]. **Hierarchical** [CGMZ16, LK08, ST10]. **High** [AFS18, AEP18, Bła20, FR10, GLS10]. **High-Dimensional** [AEP18, GLS10]. **High-Quality** [AFS18]. **Higher** [ACHKP21, TY18]. **Highway** [JS23]. **Hitters** [BDW19, BNS19]. **Hitting** [ACS⁺22, FLL⁺19, GJLS17]. **Hoc** [KMPS16]. **Holant** [BG20, GLLZ21]. **Hole** [CSS21]. **Hollow** [HKTZ17]. **Homomorphic** [GLSY23]. **hop** [FCFM09]. **hop-optimal** [FCFM09]. **hospitals** [KMMP07]. **hospitals-residents** [KMMP07]. **hotlink** [Jac11, LM11]. **Hub** [BGGN16]. **Hulls** [DEK21, BB09]. **Hunts** [TSZ14]. **Hyperbolic** [BFF⁺22, Epp09b]. **Hypergraph** [Har19, Neu22, AFS12, LDX09]. **Hypergraphs** [FPZ23, RKH20]. **Hyperplane** [AFHS20]. **hypertree** [Mar10].

I/O [AAY10, CFRY22, MZ12]. **I/O-Efficient** [CFRY22, AAY10, MZ12]. **Ideal** [Mas21]. **identical** [GP08]. **identification** [CPR⁺11]. **idle** [AA14]. **IDs** [DLS14]. **II** [AAHP⁺16, SST22]. **III** [FGL⁺19]. **Im** [BCKV06]. **Image** [BMR22]. **Images** [RT14]. **impatient** [BCC⁺10]. **Implementation** [BBHT17, HMS07]. **Implicit** [FLL⁺19]. **Imprecise** [AFHN16]. **Improved** [AER15, BKK⁺19, BFG09, BBT12, BKN21, BPR⁺17, CHA18, CJ18, CMO⁺08, CKP12, CLL⁺12, CJST07, DKN17, EFM⁺16, GS09, GHKS06, GHKS08, GNSW20, HIMY07, HSS07, KK16, LM11, Lac13, SW20b, Swa16, YLW08, AR06, CCKR11, CGR08, EK07, BKLP07, GHKS13]. **Improving** [BCC21, CKS19, GW22, JCCW22]. **In-** [JMR19]. **Inapproximability** [BG21, GRSW16, KS16]. **inclusion** [BG11]. **incomplete** [GLS10]. **Incremental** [BFGT16, GHT18, HKM⁺12, AFM08]. **Independence** [FGYZ22, LPV18, PT16]. **Independent** [BHPR⁺20, BN14, GHH22, GKPP22, Har19, LM19, LPS⁺20, AGM⁺08, Epp09a]. **index** [FV10]. **indexable** [RRS07]. **Indexes** [CEK⁺21, BHMS11, BCH⁺12, CHLS07, FMMN07, MN08]. **Indexing** [BN14, BCKM20, BFG⁺16, Pre21, FGGV06]. **Individual** [Jan05, Vio05]. **Induce** [FP13]. **inequality** [BGLZ09, Blä08]. **Infants** [GKM16]. **infeasible** [BST08]. **Infinite** [CKL21a, VZ21, ASS08]. **Information** [GMP17, AHTL05, BCKV06, CFK⁺07, EF12, GMV09, KKK⁺10, RS11b, MNS12]. **Injecting** [BLW09]. **Insert** [BPL18]. **Insertion** [BDW19, AHRT05, Jan05]. **Insertions** [ACHM22]. **Inspired** [ALM⁺19]. **Instability** [And09]. **Instances** [DKR16, Vis08]. **Integer** [EW20, CMS07, CLLJ08]. **Integrality** [ABZ19, HKP⁺18]. **interchanges** [FZ07]. **Intersection** [HIMŽ19, BK08, Epp09c]. **Interval** [ALM⁺23, BFPP18, CM15, EHR16, ALM⁺12, BHLR10, PRV11]. **intervals** [BNCS08]. **Introduction** [GBFC07, HK22, KADK22, LPW20, MWY19].

Invariant [Wim16]. **Inverse** [BLW09, Cab22, NZC11]. **Investigation** [KR18]. **IP** [VZ21]. **Irreducibles** [BHK⁺16]. **Ising** [SS09]. **isolated** [II09]. **Isomorphism** [ABH⁺18, GNSW20, Neu22]. **Issue** [BGN⁺18, CRR13, HK22, KADK22, LPW20, MWY19, RRSW16, Epp07, GBFC07, Gab09, HT10, Mat10]. **Items** [CZ18]. **Iterations** [MPQS20]. **Iterative** [CLL⁺12].

Jitter [HS09]. **jobs** [DJP⁺12, GHKS08, GP08]. **Johnson** [AL13, JW13]. **joint** [ELR⁺08]. **Journey** [HPJ21]. **Jump** [CCW18]. **Junta** [LCS⁺19]. **Juntas** [Har18].

Kernel

[ALM⁺19, ALM⁺23, BRFF⁺12, CGH17, KW14, KPR16, Tho10a, Tho10b]. **Kernelization** [DLS14, GJLS17, Kra14]. **Kernels** [FLST18, FLL⁺19, KLP⁺16a, KRS19, Wah22, PRS12]. **keys** [BB08]. **Kinetic** [AKS08]. **Knapsack** [DHK16, GGI⁺21, GNR16, HW19, Swa16]. **Knapsacks** [CZ18]. **Know** [SZ20]. **Known** [LMS18, CRV11]. **Knuth** [BGLZ09]. **Kt** [BDH⁺20]. **Kt-free** [BDH⁺20].

Label [BGGN16, CFI⁺08, DKR16, MMS14]. **Label-guided** [CFI⁺08]. **Labeling** [Kor10]. **Labels** [ACGP16]. **Large** [DKR16, AGG10, RW10b]. **Latency** [BMSV⁺09, INV16, GMT11]. **Latency-constrained** [BMSV⁺09]. **lattice** [NS09]. **Lattices** [BHK⁺16]. **law** [CSTW12]. **layouts** [BGPV08]. **LC** [JS07]. **Leader** [ARS⁺14, CKP⁺19, GMP17, MPY22, KKK⁺10]. **leaf** [BLS08, DV10, BD11]. **Lean** [CKL⁺21b]. **Learned** [BFV22]. **Learning** [BCSV20, Wim16]. **least** [Kol08]. **leaves** [BRFF⁺12]. **left** [DMM⁺12]. **left-to-right** [DMM⁺12]. **Lemma** [CHL⁺20, EW20, HH17, Har18, Har21, Har16]. **Lempel** [BFG09]. **Length** [BEH⁺10, Cab22, BB08, GP08, KK06]. **Length-bounded** [BEH⁺10]. **lengths** [KMW10, MZ12]. **Leontief** [GN14]. **Level** [KR19, GRR06]. **level-ancestor** [GRR06]. **Levels** [MN18]. **Liars** [Sha16]. **Light** [CWN18]. **Lightweight** [ES16]. **Limitations** [IMM08]. **limited** [KKM11]. **Limits** [KW16a, Joh06]. **Lindenstrauss** [AL13, JW13]. **Line** [BHD⁺21, KPR16, BFKS14, GS09, RS11b]. **Linear** [AW19, BCKM20, BPGN09, BSWN15, BCAD23, CHA18, CCKN19, CLL14, EP16, HS18, KLP⁺16a, KKR⁺20, LNR⁺14, LMPS18, LRS18, MA16, PT16, RS17, TY18, WY16, BB09, BG11, BLS08, CKK10a, CKL⁺09, DKT11, EPR10, FP10, GHPT05, Jan05, KMW10, MOR13, NZC11, RW09, VH05, Vio05]. **Linear-Size** [EP16]. **linear-space** [KMW10]. **Linear-Time** [BCAD23, KKR⁺20, RS17, BCKM20, BLS08, RW09, VH05]. **Lines** [DT16, BB09, GLS10]. **Link** [CBFWW15]. **Linking** [Gab17]. **links** [GW07]. **list** [AGKS07, AGvS13]. **Load** [ABF⁺18, BHS14, BKK⁺19, GPSS15, EDKM07, GMP05]. **Load-Balancing** [BKK⁺19]. **loads** [And09]. **Local** [BNS19, CHL⁺20, DP14, ER17, HH17,

Har16, Har18, Har21, JMR22, PS16, And10, BCM11, KP08, LK08].
local-ratio [BCM11]. **Locality** [Pag18]. **Locality-Sensitive** [Pag18].
Locating [KT19]. **Location**
 [ABF⁺18, ANFS17, AK18, Cha13, CL22, KS16, MP22, AGG⁺09, AMM07,
 BH12, BCH⁺12, CDI⁺12, Fot11, FS11, MV08, ST10, Svi10, SS08b].
Locations [GLLZ21]. **Logarithmic** [Cha20, EP16, AGP⁺11, BFKS14].
Logarithmic-factor [Cha20]. **Logit** [FV19]. **long** [GN08]. **Longest**
 [BCAD23, EP05]. **loopless** [KL06]. **Lopsided** [Har21, Har16].
Lopsidedependency [Har16]. **losing** [KM12]. **lot** [ELR⁺08]. **Lottery**
 [HPST19]. **Lovász** [CHL⁺20, HH17, Har16, Har18, Har21]. **Low**
 [CHA18, CDP21, FLS⁺18, FGL⁺20, KRX16, NS09, KP08, Pet09].
Low-dimensional [NS09]. **Low-rank** [FGL⁺20]. **Lower**
 [ACHKP21, ABHS22, BN15, BCK⁺20, CRSS22, CDKL20, DLS14, Kra14,
 KT18, SCRS17, Soc16, Svi10, AR08a, AGvS13, CGK⁺11, Cha10a, MSS11].
Lower-bounded [Svi10]. **LP** [CCW18, HKS11, Li17, MMS14, VZ21].
LP-based [MMS14]. **LZW** [Gaw13].

Machine [GSV20, HJ15, JMR19]. **Machines**
 [EMS23, SZ20, CKK10b, GP08, GLP06, TM08]. **maiden** [EP05].
Maintaining [ACHM22, AHTL05, Elk11]. **Maintenance**
 [HKN17, HKM⁺12]. **majorization** [GMP05]. **Makes** [SHHA16]. **Makespan**
 [GMR15]. **Making** [Ruž09]. **malleable** [JZ06]. **Management**
 [AER15, AKM08, CJST07]. **Many** [BKMV20, BRFF⁺12, Joh06].
Many-visits [BKMV20]. **map** [DFHT05]. **Mapping** [CDD⁺15]. **Market**
 [FGK⁺16]. **Markets** [BGH19]. **Markov** [FBV09, MTZ10]. **marriage**
 [HIMY07, IMY10]. **mask** [BF09]. **Massey** [KY13]. **Massively** [CDP21].
MAST [BPGN09]. **Matching** [AKLR20, BFH21, BG14, CCW18, CLL⁺12,
 CHLT14, DPS18, EHL⁺18, FLN14, Gaw13, HTWZ19, Jez15, LS20, NS16,
 PS19, ALLS07, BFG09, DC05, CS11, CM07, GGN06, HLS07].
matching-covered [DC05]. **matchings**
 [AFS12, GKK10, GKP08, IKM⁺06, KMMP07, KR16, Mes14, RW10b, VH05].
Matrices [DHS16, FLS⁺18, GMW20, KMNS17, KLP16b]. **Matrix**
 [FGL⁺20, SWYZ21, WY13, KY13, YZ05]. **Matroid** [CLL14, GNR16, Swa16].
Matroids [FGLS19, KKR19, KW14, LMPS18]. **Max** [AKS17, ABG16, BR14,
 BCC21, BJLY17, KT18, PRV11, PS16, Wan22, BD11, CRZ20, GS17].
Max-coloring [PRV11]. **Max-CSPs** [CRZ20]. **Max-Flow** [KT18].
Max-Leaf [BD11]. **Max-Min** [PS16]. **Max-Sum** [BJLY17]. **maxima**
 [DMM⁺12]. **Maximal**
 [BFH21, Har19, NS16, PS10, Epp09a, GKP08, IKM⁺06]. **Maximin**
 [AMNS17]. **Maximization** [BF18, BFS19, CHJ⁺18, EMS23, BNGK⁺09].
Maximizing [Fel17, GPSS15, MS17, WZ16]. **Maximum** [ER17, GMW20,
 GKPP22, IIK⁺23, KMNS17, LS20, MMS14, PS19, CMM09, DV10].
Maximum-Cut [ER17]. **MaxMin** [GNR16]. **may** [EK06]. **Mazing**
 [AGLW18]. **mean** [HL06b]. **meanders** [BS10]. **meandric** [BS10]. **Means**

[BBB20]. **Measure** [GS17, AZ08, FGPS08]. **measures** [ABS10].
Mechanism [CKK10b]. **mechanisms** [AT07]. **Median**
[BDR23, BPR⁺17, HHL⁺16, Li17, Swa16, Cha20, YLW08]. **Medium**
[ARS⁺14]. **Meet** [BKK17, CKL⁺21b, CPL12]. **Meet-in-the-Middle**
[BKK17]. **Meeting** [KMTS23]. **meets** [AFS12]. **Melding** [MTTZ06].
Membership [Mas21]. **Memory** [DEK21, FP13, SSTV23, AKM08,
AGP⁺11, AC10, BAT11, CFLM07, GLPP08, KKM11, LK08].
Memory-Adjustable [DEK21]. **Memoryless** [CV20, Fot11]. **mergeable**
[GKS⁺11]. **mesh** [FSP08]. **Message** [PRS20]. **Message-Optimal** [PRS20].
Metastability [FV19]. **methods** [BCN12]. **Metric**
[AFN⁺18, ACE⁺23, GW22, HPMO23, ABS10]. **Metrics**
[BEKN23, CGMZ16, CJ18, CJJ20, CGR08, GS09]. **Middle** [BKK17, MN18].
Mighty [DS19]. **Migration** [BBM19, GSV20, GHKS06, GHKS13].
mimicking [Wah22]. **Min** [AKS17, BR14, BSWN15, DHK16, GHT18, PS16].
Min-Cut [GHT18]. **Min-Knapsack** [DHK16]. **Min-Max** [BR14]. **minima**
[BLW09]. **Minimal** [BDH⁺20, FGPS08]. **Minimization** [HL13, AF07].
Minimize [RKH20, AAG09, EK06, TM08]. **Minimizing**
[BD07, BKMSS11, DHM⁺09, DHM14b, FS11, GLP06, HL06b]. **Minimum**
[ABF⁺18, AKLR20, BCK⁺20, BBT12, FPZ23, GPSS15, GNR15, HS18,
HVV19, INVL16, KLPP23, MV15, MM09, PRS20, TY18, AGM⁺08, ABD⁺08,
BCD12, CKL⁺09, CLLJ08, CKS05, CS08, Fuj12, GKLT09, HL06a, HLS09,
JR05, KKW12, Lev09, Nut12, PR08]. **Minimum-Cost**
[MV15, AKLR20, Nut12]. **Minimum-Flip** [BBT12]. **Minimum-Load**
[ABF⁺18]. **minmax** [YLW08]. **minmax-regret** [YLW08]. **Minor**
[CEV21, LR15, SST22, RW09]. **Minor-closed** [CEV21, SST22]. **Minors**
[FLST18, GJLS17]. **Minset** [Gab16]. **Minset-Poset** [Gab16]. **minsum**
[GHKS08]. **Minwise** [PT16]. **MIS** [FN20, OSSW20]. **Mischief** [DPP14].
Mixing [FGYZ22]. **mobile** [FS11]. **Model**
[AN16, CMR18, FTK20, HPST19, LS20, PS19, And09, FCFM09]. **models**
[AR05, FBV09]. **Modern** [BBHT17]. **moments** [LK08]. **Monge**
[GMW20, KMNS17]. **monitoring** [CMY11]. **Monotone** [BJLY17, IIK⁺23].
monotonic [IMM08]. **Monotonically** [CdM22]. **Monotonicity**
[KR19, BGLZ09, FR10]. **Morphing** [BLPS13]. **Moser** [Har16, HS17]. **motif**
[FKW11]. **Movement** [DHM14b, HKKK16, DHM⁺09, FS11]. **moves** [CM07].
moving [Kol08]. **MST** [Fuj12]. **Multi** [ADK16, GNR15, BS06b, CRR09].
multi-peg [BS06b]. **Multi-Pivot** [ADK16]. **multi-scheduling** [CRR09].
Multi-Vehicle [GNR15]. **multicast** [CRR09]. **multicasting** [AR05].
Multicommodity [CMS07, AKR12, BKLP07, Kar08]. **multicover**
[CCHP12]. **multicriteria** [Man12]. **Multicut** [Wah22].
Multicut-mimicking [Wah22]. **Multicuts** [RS17]. **Multidimensional**
[YZ12]. **Multiflow** [Hir19]. **multigraph** [SS08a]. **multigraphs** [HKS11].
multihop [AZ07]. **multilabeled** [BHMS11]. **Multilevel** [KS16].
Multipartite [EJK08]. **multiparty** [FIM⁺06]. **Multiple**
[BKKK18, CZ18, CKR12, BHLR10, FKW11, HS09, VP07]. **multiple-interval**

[BHLR10]. **Multiplication** [WY13, IP11, VP07, YZ05]. **Multiplierless** [VP07]. **multisets** [RRS07]. **multivariate** [Epp06]. **Multiway** [Wah22].

name [AGM⁺08]. **name-independent** [AGM⁺08]. **Nash** [Das13, EDKM07, IIK⁺23]. **Natural** [Li17]. **Navigating** [BFKR21]. **Navigation** [DEK21]. **Near** [ACHM22, BSWN15, CMM09, CWN18, GLPS17, Wei22, WY16, CCM10, EPR10]. **Near-Linear** [BSWN15]. **near-linear-time** [EPR10]. **Near-Optimal** [ACHM22, CWN18, GLPS17, CMM09, CCM10]. **Nearest** [AAHP⁺16, AEP18, Gab17, IN07, AKS08]. **Nearest-Neighbor** [AAHP⁺16]. **Nearest-neighbor-preserving** [IN07]. **Nearly** [CI17, DKN17, KBNvL20]. **needles** [Joh07]. **negative** [CGR08, KMW10]. **negative-type** [CGR08]. **Negatives** [Pag18]. **Neighbor** [AAHP⁺16, AEP18, IN07]. **Neighborhoods** [AFHS20, CJ18]. **Neighbors** [Wei22, AKS08]. **nested** [Kau07]. **Network** [BK16, CLS⁺22, CEV21, CFM21, DP14, EFF⁺15, Fuk17, GHLL16, PPSV18, AR05, AAA⁺06, And09, AZ08, CEGS11, CGNS08, DHMZ12, EKS05, FCFM09, HKKN12, JR05, Swa12]. **Networks** [BHS14, BFF⁺22, CN14, CLNV14, DGG⁺20, HKN17, KRX16, KMPS16, MPY22, Wah22, AZ07, AGG10, BH12, BMSV⁺09, MSS11, NHK08, PR12]. **nilpotence** [AK12b]. **No** [EMS23, FG08, BRFF⁺12]. **Node** [CCW18, CEV21, DHK14, Hir19, HKRL07, RS09]. **Node-capacitated** [Hir19, HKRL07]. **node-cost** [RS09]. **Node-Weighted** [CCW18, DHK14, CEV21]. **Noisy** [BFKR21]. **Non** [CGK20]. **Non-Uniform** [CGK20]. **nonabelian** [AMR09]. **nonavailability** [DJP⁺12]. **Nondecreasing** [Wil10]. **Nondeterminism** [Kra14]. **Nonlinear** [HJ15]. **nonmetric** [ABS10]. **Nonmonotone** [ADV⁺16]. **nonpreemptive** [GP08]. **nontrivial** [KS08]. **note** [Alb10a, AHRT05, Alb10b]. **Nothing** [AFH⁺16]. **Novel** [NW07]. **Nowhere** [KRS19]. **NP** [DS19, GKM16, Joh05, Joh06, Joh07]. **NP-completeness** [Joh05, Joh06, Joh07]. **NP-Hard** [GKM16]. **NP-Mighty** [DS19]. **Number** [SZ20, CFR10, KKW12, KS08]. **Numerical** [KLP16b].

O-Efficient [CFRY22, AAY10, MZ12]. **Oblivious** [BFCF⁺17, CCW18, CR18, FV16, FLPR12, HKRL07, Har21, WW22]. **Obstacles** [AFS18, CW15]. **occurrences** [BCN12]. **Odd** [CSS21, FGL⁺19, KW14]. **off** [DFR09]. **offline** [BNCS08]. **one** [CDEM10, Fot11]. **Online** [ACE⁺23, AGGP21, BODD⁺20, BJKK18, BHD⁺21, BFS19, CHJ⁺18, CKS09, DH18, EMS23, EV06a, GSV20, GP08, HTWZ19, JLSS12, JPS22, KB06, LS20, LMMW16, MNS12, AAA⁺06, AAG09, AKL10, BNCS08, BF07, CCL⁺09, CJST07, CNP⁺11, EV10, GS09, GMP05, IM12, PU07, PRV11, YZ12, HCT⁺11, LK08]. **open** [BS10, GHKS06, GHKS13]. **Opt** [ERV16]. **optical** [AZ08]. **Optimal** [ACHM22, AL13, AGvS13, AAdFM22, AD16, BN15, BDW19, Bła20, BRW16, CMA⁺19, CDJS17, CWN18, CI17, CEK⁺21, CGMY22, DH18, DKK06,

Elm17, Gaw13, GLPS17, GMS19, GIN⁺17, GT08, GRSW16, HT21, Han07, JW13, LMS18, LMMW16, MP22, PRS20, Pre21, Wei22, ADHY08, BKMV20, CCM10, CMO⁺08, CMM09, DMRW09, FCFM09, FSP08, GK09].

Optimal-Time [CEK⁺21]. **Optimality** [DS08, CNP⁺11]. **Optimally** [EK06, KS08, TM08, Wil10]. **Optimization** [BGGN16, BHLR10, BPR⁺17, GM12, GNR16, AAA⁺06, GJL12, Vig14, MNS12]. **Optimizing** [CCL⁺09].

Oracle [BSWN15, EP16, LR15, CSTW12]. **Oracles** [BHPR⁺20, CMT22, GW20, Har21, KK06, WY13, BS06a, GLNS08]. **Order** [HL13, BF07, BM08, GIKW19]. **Order-Preserving** [HL13]. **Ordered** [KR19]. **Ordering** [BR16, CFR10, AFM08, CDHW09, DH12, KB06, HKM⁺12]. **Ordinal** [ABD⁺08, GRR06, HMS12]. **Orientation** [IIK⁺23]. **orientations** [FLM⁺12, FSP08]. **orienteering** [CKP12]. **Orthogonal** [BRW16, Cha13, CW16, CW21, BLPS13]. **Other** [BCK⁺20]. **out-trees** [BRFF⁺12]. **Outlier** [KKK18]. **Outliers** [CN19, FKRS19, HPST19]. **output** [ST08]. **output-density** [ST08]. **Overhead** [ACHM22].

P2P [NW07]. **Packet** [KMPS16]. **packets** [JLSS12]. **Packing** [BSSX20, CZ18, CS07, EPR13, FLL⁺19, BNLT07, CMS07, KNS⁺07, HCT⁺11].

Packings [BKK17, GGI⁺21]. **Paging** [JPS22]. **pair** [AKS08]. **Pairs** [KT18, Cha12, DI06, MTZ10, RS11a]. **Pairwise** [Cab19, GW07]. **pants** [Epp09b]. **Parallel** [CDP21, DH12, FN20, HH17, Har18, Har21, CKS09, GKK⁺09, Han07].

Parameter [BBT12, CM15, CCHM15, DHM14b, MV15, DFHT05, RSS06, CGK⁺11].

Parameterized [AMW20, BFPP18, BCK⁺20, BM20, CFM21, CHLT14, CNP⁺22, FLS⁺18, GWZ21, KW16a, LNR⁺14, LRS18, LPS⁺20, MP22, RS17, GJL12, HLS07, SST22]. **Parametric** [Epp18, FBV09]. **parentheses** [LY08].

Parity [CLL14]. **Partial** [GMW20, JS07, KMNS17, MSS11]. **Partially** [ADF⁺15, HKN17]. **Partition** [LR15, CLLJ08, CKS05, SS09, ZO08].

Partitioning [AD16, SYZ20]. **partitions** [CAY10]. **Party** [KR16]. **pass** [Fot11]. **passes** [DFR09]. **Path** [ABHS22, AGLW18, AZ08, BCHR20, EK20, EP16, GWZ21, HMZ16, AT07, DI06, HSB07, MZ12]. **Path-Reporting** [EP16]. **Paths** [AFS18, BFF⁺22, CW15, CR18, GW20, KK13, KK16, LBSZ21, WY13, Cha12, CK07, DS11, Elk05, EPR10, GW07, HS06, HMS07, KMW10, KK06, MTZ10, RS11a, RZ12, Wil10]. **Pathwidth** [GJNW23].

Pattern [Gaw13, GGN06, Jez15, ALLS07, CS11]. **peeling** [ALLT11]. **peg** [BS06b]. **Perfect** [AKLR20, BG21, GKK10, HHM⁺18, AG10, BCKV06].

perform [BCM11]. **Performance** [HJ15]. **periodic** [BCMSM12].

Periodicity [EMS10]. **Periods** [MPQS20]. **Permanent** [DHM⁺14a, And09].

Permanently [BFKR21]. **Permutation** [Wim16]. **Permutation-Invariant** [Wim16]. **Permutations** [BBHT17, EPR13, RW10a]. **permuterm** [FV10].

Persistent [Cha13]. **Perturbation** [BHW20]. **Phase** [BBM19, CFH07, FP10]. **Phase-based** [BBM19]. **Philippe** [SSS⁺11].

Phylogenies [HHM⁺18]. **piece** [EP11]. **Piecewise** [MA16].
Piecewise-Linear [MA16]. **Piles** [DEK21]. **pipelined** [CDHW09, DH12].
Pivot [ADK16, AD16, WNN15]. **Placement** [EFM⁺16, GKK⁺09]. **Planar**
[ASS19, AKLR20, BSWN15, BK16, Cab19, Cab22, CMT22, CEV21, DHK14,
EHL⁺18, KK13, KKR19, KBNvL20, MP22, PPSV18, Wan22, WY16,
AMM07, BLPS13, BKM09a, BKM09b, CDI⁺12, DS11, DFHT05, Dji10,
DKT11, EPR10, GK09, GT08, KMW10, KK06, OGGW10, PS10]. **Planarity**
[ADF⁺15, ADD⁺18, KR19]. **Plane** [CW15, GMS19, CS08, Saw06]. **Planes**
[DT16]. **Planted** [HKP⁺18]. **player** [GMT11]. **player-specific** [GMT11].
Plurality [ADGH21, DGM18, AR08a, AR08b, AR09]. **Point**
[Ak18, BHPR19, CRZ20, Cha13, CL22, HPJ21, KPR16, AMM07, BCH⁺12,
CFH07, CDI⁺12]. **Point-Width** [CRZ20]. **Points**
[AN16, ADGH21, DGM18, FPS22, ASW08, AHPSW10, CAY10]. **policies**
[Jan05]. **polygon** [CAY10, CW10]. **Polygonal** [AFS18, BDR23]. **Polygons**
[AW19, CDD⁺15]. **Polylogarithmic** [ALM⁺20, GHT18, Har18].
Polynomial
[ALM⁺23, BCD12, BKM15, CDP19, DHM⁺14a, FLS⁺18, GS17, GKPP22,
KW14, KRS19, LR15, LBSZ21, PRS12, PS16, SS18, AK12b, LDX09, SS09].
Polynomial-Space [GS17]. **Polynomial-Time**
[BKM15, FLS⁺18, BCD12, GKPP22, LDX09]. **polynomially** [Kau07].
Polynomials [Har19, MS17]. **Polytopes** [AAdFM22]. **popular** [Mes14].
Poset [Gab16]. **Positive** [BPR⁺17, DHS16]. **Potential** [FV19]. **Power**
[BCP13, CDD⁺15, CSTW12, Hal12, ISG07]. **power-law** [CSTW12]. **powers**
[BLS08]. **PQ** [BR16]. **PQ-Ordering** [BR16]. **Practical** [SCRS17].
practically [ADHY08]. **precedence** [DH12, JZ06]. **precise** [DK12].
Predecessor [Cha13, GMW20]. **Predictions** [ACE⁺23, JPS22].
Preemption [BFS19]. **Preferential** [ELMR21]. **prefix** [RRS07]. **Preimage**
[MPQS20]. **Preprocessing** [BSWN15]. **Prescribed** [BH19]. **Preservers**
[BW21]. **Preserving** [HL13, IN07]. **Price** [BGH19, GN14, DHMZ12].
Price-based [GN14]. **priced** [CFK⁺07]. **Pricing** [AR05, BCC⁺10]. **Primal**
[DH18, VB08, BCM11]. **Primal-dual** [VB08, BCM11]. **Principle** [KLPP23].
Principles [ARS⁺14]. **priority** [AHRT05, ADHY08, EJK08, MTTZ06].
Privacy [BNS19, FJS14, JMR22]. **Private** [SCRS17]. **Prize**
[CJJ20, Fuk17, HKKN12]. **Prize-Collecting** [Fuk17, HKKN12].
Probability [Bla20]. **Probably** [LMS18]. **probe** [GGM10]. **Probing**
[PT16, Jan05, Vio05]. **Problem**
[AKS21, BEJK19, BK16, CGK20, CCW18, CJJ20, CMVZ16, CKL21a, DT16,
EK20, Epp18, ER17, Fuk17, HW19, HVV19, KK13, KK16, KR18, Kra14,
KS16, MMS14, Mas21, NRS18, SW20a, Soc16, TY18, AMR09, AR08a, BK08,
BH12, BHZ13, BPGN09, BG11, BHKK12, BKMS11, CF05, Cha10b,
CEGS11, CCHP12, CLLJ08, CKS05, CM07, DS08, DV10, EV10, EKS05,
FHR07, FN10, GS09, GKLT09, HIMY07, HL06a, IMY10, Jac11, JR05, Kar09,
KKW12, KMMP07, KMM11, LM11, MV08, NS10, RS09, SZ10]. **Problems**
[AZBG⁺22, AGW23, ALM⁺20, AMW20, BG20, BFGT16, BR14, BDW19,

BCC21, BR16, BCK⁺20, BM20, BSSX20, BF18, CFRY22, CN19, Cha20, CLL14, CV20, CFM21, CDL⁺16, CGH17, CMWW19, CNP⁺22, FLN14, FLL⁺19, FGL⁺20, FLK⁺20, GMP23b, GKM16, GM12, GLLZ21, GWZ21, HPST19, Hir19, HL13, JW13, Khu05, Khu06, Khu07, KW16a, MP22, Mas21, PPSV18, Swa16, Wah22, AAA⁺06, AKR12, BST08, BRFF⁺12, BHLR10, CMM09, CEGS11, CKP12, CGNS08, CDHW09, CNP⁺11, DFR09, EKS05, FS11, GJL12, HKKN12, HLS09, HSB07, Kar08, KNS⁺07, Nut09, Nut12, SS09, ST08, YLW08]. **processes** [EP12, GLPP08, MTZ10]. **Processing** [GPSS15, JMR19]. **processors** [KS08]. **Product** [CDJS17, FLPS17].

Products [SWYZ21]. **Programming**

[CHA18, CKS19, EW20, LNR⁺14, MTK⁺19, RST14]. **programs**

[CMS07, FP10]. **projective** [AGvS13]. **Promise** [VZ21]. **propagation**

[IP11]. **Properties**

[BMR22, CDJS17, GIKW19, KRS19, RT14, ABD⁺08, MR09, PR12].

Property [CDJS17]. **protocols** [GN14, GR10]. **Protrusion** [KLP⁺16a].

Provably [Kol08]. **provider** [BCKV06]. **Proximity** [EW20]. **pseudo** [II09].

pseudo-cliques [II09]. **Pseudopolynomial** [KX19]. **Pseudoprimes**

[Sha16]. **PTAS** [AFHS20, CJ18, CJJ20, MZ23, MWsZ23]. **Puzzle** [NRS18].

QoS [CJST07]. **quadrangle** [BGLZ09]. **quadrangle-inequality** [BGLZ09].

Quadratic [GS18, MMS14, HLS09]. **quadtrees** [CFH07]. **Quality** [AFS18].

Quantification [FJS14]. **Quantum** [AMR09, MRR06]. **Quasi** [LR15, PS16].

Quasi-Polynomial [LR15, PS16]. **Quasiconvex** [Epp06].

Quasipolynomial [Wah22]. **Quasirandom** [DFS14]. **Queries**

[GMW20, GIN⁺17, HMZ16, KMNS17, Pre21, BCH⁺12, GRR06]. **query**

[FLM⁺12]. **Querying** [CFK⁺07, SWYZ21]. **Quest** [BG21]. **Queueing**

[BJKK18]. **queues** [AHRT05, EJK08, MTTZ06]. **Queuing** [CKR12].

Quickly [CW21, Oum08, Ruž09]. **quickselects** [MPV10]. **Quicksort**

[ADK16, AD16, WNN15].

R [ADHY08]. **R-tree** [ADHY08]. **Race** [AA14]. **Radio** [MPY22, EK07].

RAM [Cha13]. **Ramsey** [ACE⁺20, Kra14]. **Ramsey-Type** [Kra14].

Random [BBHT17, DGG⁺20, ELMR21, GPSS15, HSS22, HTWZ19, BB09,

BLW09, CFH07, FSP08, MZ12, PS10, PR08]. **Randomized**

[AEP18, CV20, CKL⁺21b, FN20, KSS09, KKM11, KW14, PR08, BKS12].

Range [ACY12, CW16, GIN⁺17, WY18, BCEG07]. **Rank**

[BFV22, HST15, IKM⁺06, BF09, FGL⁺20, Oum08]. **Rank-Balanced**

[HST15]. **rank-convolutions** [BF09]. **Rank-maximal** [IKM⁺06].

rank-width [Oum08]. **Rank/Select** [BFV22]. **Ranked** [SSTV23]. **ranking**

[CFR10]. **Rapid** [FGYZ22]. **Rate** [RS11b]. **Ratio**

[LMMW16, BCM11, BF07, BM08, Kar09]. **Ray** [Tao14, GK09]. **Razborov**

[CW21]. **Reachability** [Lac13]. **read** [Wil10]. **Real**

[BG14, BNGK⁺09, BCMSM12, VWY10]. **Real-Time**

[BG14, BNGK⁺09, BCMSM12]. **Reallocation** [BFCF⁺17]. **really** [EP11].

Reasoning [AKL10]. **Rebalancing** [STK16]. **receiver** [EK06]. **recognition** [BLS08]. **Recognizing** [AFT19]. **recolorings** [MSS11]. **Recompression** [Jez15]. **Reconfiguration** [LM19]. **Reconstruction** [CJL17, KMZ18]. **Recovery** [GLPS17]. **rectangle** [ELR⁺08]. **rectangles** [CKS09]. **Rectangular** [BGPV08]. **Rectilinear** [FLK⁺20, GK09]. **Recurrence** [HJT17, Epp06]. **recurrent** [Kau07]. **Reducing** [CJ18]. **Reduction** [MMS14, MOR13, NS09]. **redundancy** [BK08]. **Reflex** [CDD⁺15]. **register** [DP06]. **regret** [YLW08]. **Regular** [FGLS19, BFG09, GKK10]. **regulation** [HS09]. **rejections** [AAG09]. **Related** [BFGT16, BDW19, CFRY22, GWZ21, CKP12]. **relations** [BHMS11]. **Relationship** [KR19]. **relative** [BF07, BM08]. **Relaxation** [Li17, VZ21, ABD⁺08, GGG10]. **relaxed** [DM09]. **Relay** [EFM⁺16]. **Reliable** [HPMO23]. **Rendezvous** [FP13, TSZ14, KKM11]. **rent** [BKLP07]. **rent-or-buy** [BKLP07]. **Reordering** [AER15]. **Repairmen** [HKKK16, FHR07]. **Repeats** [CCKN19]. **repetitions** [AAG09]. **Replacement** [GW20, RZ12, WY13, EPR10]. **Reporting** [EP16]. **Reports** [DP14]. **Representation** [BS18]. **Representations** [Gab16, FMMN07]. **Representative** [FLPS17]. **Representing** [BN15]. **Required** [PT16]. **Resampling** [Har21]. **reservation** [BM08]. **residents** [KMMP07]. **Resilience** [BHW20]. **Resilient** [FGI09]. **Resistance** [CLS⁺22]. **Resolution** [GM12]. **Resource** [JMR19, CCKR11, GN14]. **respect** [CGK⁺11]. **response** [FFM12, PUW08]. **Restore** [CMR18, FTK20]. **Restricted** [AKS17, MPQS20, Neu22, PS16, BNLT07]. **restriction** [GGG10]. **restrictions** [AMS06]. **Results** [BG21, EW20, GRSW16, CPR⁺11, GHKS06, GHKS13, HIMY07, KNS⁺07]. **Retractions** [FGZ21]. **Retrieval** [SSTV23]. **Retroactive** [DIL07]. **Reversal** [CBFWW15]. **Revisited** [ABH⁺18, CK07, HPR14, NS09]. **Ride** [GNR15, GHNR10a, GHNR10b]. **right** [DMM⁺12]. **Robust** [ARS⁺14, GMP23a, GNR16, HS06]. **roommates** [CF05]. **Rooted** [CLNV14, KL06, Saw06]. **roots** [Lau06]. **Rounding** [AZBG⁺22]. **Roundtrip** [RTZ08]. **Route** [CMVZ16]. **Routing** [AZ07, ADPP07, CGMZ16, CBFWW15, GMT11, JS23, KRX16, MZ23, AGM⁺08, CSTW12, HKRL07, KP08, RTZ08]. **Rule** [HJ15]. **Rumor** [DFS14].

s [BRFF⁺12, CRV11]. **S-T** [CRV11]. **Salesman** [AKS21, DT16, BHKK12]. **samples** [EMS10]. **Sampling** [CHGG⁺17, Coh18, BCEG07, FSP08, GKK10, MPV10, PT11]. **Santa** [AFS12]. **SAT** [CDL⁺16]. **Satisfaction** [AZBG⁺22, GRS17, CMM09, SS09]. **savings** [ISG07]. **Scalable** [BKN14, IM12]. **Scalably** [EP12]. **Scale** [BFF⁺22, KRX16]. **Scale-Free** [BFF⁺22, KRX16]. **Scaling** [BCP13, DPS18, AA14]. **schedule** [Wil10]. **Scheduling** [AFH⁺16, BKN14, HJ15, JMR19, KMPS16, LMMW16, SZ20, AZ07, BCD12, BNLT07, BNGK⁺09, BCMSM12, CCL⁺09, CEGK11, CKK10b, CRR09, DJP⁺12, EP12, EV06a, EK06, GHKS06, GHKS08, GP08, Hal12, IM12, JZ06,

JLSS12, GHKS13]. **Scheme**
 [BKM15, BKM09a, BKM09b, CSTW12, LDX09, SS08a]. **Schemes**
 [BKK⁺19, FGL⁺20, FKRS19, HW19, JMR19, JS23, KRX16, IMM08, Kar08,
 KP08, Kor10, NHK08]. **SDD** [KLP16b]. **Search**
 [Cha13, CGMY22, ER17, GMW20, PS16, STK16, JS07]. **Searching**
 [AAHP⁺16, ACY12, FG08]. **seat** [BM08]. **secretary** [BHZ13]. **secrets**
 [AGKS07]. **Secure** [FIM⁺06, PR12]. **Seeds** [KKR⁺20]. **Segmentation**
 [ADV⁺16]. **Select** [BFV22]. **Selection**
 [AFHN16, AFK⁺15, CMR18, EHR16, GIN⁺17, Cha10a, Han07]. **Self**
 [Elm17, JCCW22]. **Self-Adjusting** [Elm17]. **Self-Improving** [JCCW22].
Selfish [BHS14, ADPP07]. **Semi** [ER16, FLN14, KR16, PS19].
Semi-Matching [FLN14]. **Semi-matchings** [KR16]. **Semi-Streaming**
 [ER16, PS19]. **Semicontinuous** [AFK⁺15]. **Semidefinite** [DHS16]. **sender**
 [EK06]. **Sensitive** [CL22, Pag18]. **Sensitivity** [GW20, WY13]. **sensor**
 [BMSV⁺09, FCFM09]. **separability** [AAK06]. **Separate** [GS17].
separating [Cab10]. **Separations** [CKP⁺19, JMR22]. **separator** [RW09].
Separators [LPS⁺20, MOR13]. **sequence** [CFLM07]. **Sequences**
 [BN15, TSZ14, FMMN07, FKW11, GGN06, Kau07, MN08]. **Sequential**
 [KR18]. **Server** [BEJK19, BEKN23, CKL21a, CV20, FN10]. **Service**
 [AGGP21, RKH20, BCKV06, MV08]. **sessions** [And09]. **Set**
 [ACGP16, ACS⁺22, ALM⁺19, ASS19, BHPR⁺20, CEGS11, CCHM15,
 DHK16, ER16, FLST18, FLL⁺19, GKPP22, HPJ21, Har19, LRS18, LM19,
 LMM⁺21, AAG09, BCN12, Cha10b, CCHP12, ELR⁺08, GKLT09, PRS12,
 RW10a, Tho10a, Tho10b]. **set-up** [ELR⁺08]. **SETH** [ABHS22, Bon22].
SETH-based [ABHS22]. **SETH-hard** [Bon22]. **Sets** [BHPR19, BDH⁺20,
 GS17, GNR16, LN22, LPS⁺20, AMS06, BLW09, Epp09a, FGPS08, RSS06].
settings [CCHP12]. **sex** [IMY10]. **sex-equal** [IMY10]. **Share** [AMNS17].
shared [AKM08, AC10]. **shared-memory** [AKM08, AC10]. **Shares** [CF20].
Sharing [BKLP07, IMM08]. **shooting** [GK09]. **shop** [GHKS06, GHKS13].
short [KSS09]. **Shortcuts** [AFK⁺15]. **Shortest**
 [BCHR20, BFF⁺22, CW15, CR18, CSS21, DS11, KMW10, Cab10, Cha12,
 DI06, Elk05, HSB07, HMS07, KK06, MTZ10, MZ12, RS11a, RZ12].
shredders [Heg06]. **SIAM** [BGN⁺18, HK22, KADK22]. **side** [EV06b].
Sigma [SW20a]. **signatures** [Ruz09]. **Silent** [DP14]. **Simon** [AMR09].
Simple [CDD⁺15, CJL17, CGMY22, FGK⁺16, GWZ21, NS16, AMM07,
 CW10, HMS07, RZ12]. **Simpler** [CD17, LBSZ21, MM09, Rod08]. **Simplex**
 [DS19]. **Simplicial** [BS18]. **Simplified** [KN16]. **Simultaneous**
 [AGG⁺09, BR16]. **Single** [BCHR20, CNP⁺22, HJ15, KLP⁺16a].
Single-Exponential [KLP⁺16a]. **Single-Machine** [HJ15]. **Single-Source**
 [BCHR20]. **SINR** [AK18, HT21, KLPP23]. **Size**
 [EP16, EHL⁺18, HS18, LN22, NRS18, RS11b]. **Sizes** [MPQS20]. **sizing**
 [ELR⁺08]. **Skeletons** [CMV16]. **Sketches** [CD17]. **Skew** [RS17].
Skew-Symmetric [RS17]. **Skip** [AS07]. **Slack** [AEP18]. **sleep** [AA14].
Small [BCKM20, BFG⁺16, CGH17, DGG⁺20, GJNW23, LPS⁺20, MTK⁺19,

And09, MOR13, PT11]. **Smaller** [ACHKP21]. **Smith** [HJ15]. **Smolensky** [CW21]. **Smoothed** [BCC21, DMM⁺12, ERV16, ER17, AK12a]. **SODA** [BGN⁺18, HK22, KADK22, Epp07, GBFC07, Gab09, HT10, MWY19, Mat10]. **SODA'11** [CRR13]. **SODA'12** [RRSW16]. **SODA'18** [LPW20]. **Solutions** [HJT17, BST08]. **solvable** [ASS08]. **Solving** [CNP⁺22, GM14, SW20a, DS08]. **Some** [Cha20, CDP19, GMS19, GRSW16, AR09, CGNS08, FP10, GKLT09, HSB07]. **Sort** [CFRY22, NZC11]. **Sorting** [AFHN16, CMR18, DEK21, FTK20, FZ07, FG08, GS09]. **Source** [BCHR20, AGG⁺09]. **Space** [BCKM20, BKMV20, BFG⁺16, CDP21, EHR16, GS17, LBSZ21, WY18, BG11, Cha10a, DFR09, EMS10, GLS10, KMW10, PT11]. **Space-Constrained** [EHR16]. **Space-optimal** [BKMV20]. **Spaces** [HPMO23]. **Spanner** [BFH21, DKR16]. **Spanners** [BW21, CWN18, CDKL20, ES16, EN19, HPMO23, Sol13, BKMP10, BKS12, Elk11, GLNS08, Pet09, RTZ08]. **Spanning** [ACE⁺20, BD11, FGLS19, GT16a, GT16b, HKN17, PRS20, CS08, DV10, JR05, PR08, ZO08]. **Sparse** [BFG⁺16, BHR19, Bon22, CRSS22, CII17, DHS16, EN19, FTK20, GIKW19, GLPS17, HT21, MTK⁺19, MWsZ23, OSSW20, PP16, Pre21, RT14, Sol13, BSSX20, Cla10, Elk11, Epp09a, MR09, YZ05]. **Sparsest** [KW16b, CGR08]. **Sparsification** [CDP21, KLP16b, PPSV18]. **Spatial** [ADGH21]. **Special** [BGN⁺18, CHL⁺20, HK22, KADK22, LPW20, MWY19, RRSW16, Epp07, GBFC07, Gab09, HT10, Mat10, CRR13]. **specific** [GMT11]. **Spectral** [FGYZ22, KLP16b]. **Speed** [BCP13, AA14, FFM12]. **Speeding** [GKM16]. **speedup** [BGLZ09, EP12]. **Speedups** [Cha20]. **Spider** [Fuk17]. **split** [Iba08]. **splittable** [EV06a, GMT11]. **Spreading** [DFS14]. **Square** [FGZ21]. **Square-free** [FGZ21]. **Squarepants** [Epp09b]. **Squares** [HKP⁺18, Kol08]. **SRPT** [TM08]. **Stabbing** [Tao14, ELR⁺08]. **Stability** [CCDL16]. **stable** [CF05, HIMY07, IMY10, KMMP07]. **Stackelberg** [Swa12]. **Stars** [HMVW19]. **state** [AA14]. **Static** [NS14, ALLS07]. **station** [KMM11]. **stationary** [CRV11]. **Statistics** [Coh18]. **steepest** [AKR12]. **Steiner** [BKM09a, BKM09b, BKM15, CJJ20, CEGS11, CS07, CLNV14, CFM21, CDKL20, DHK14, DKN17, EKS05, FLK⁺20, GMP23a, HKKN12, KBNvL20, PPSV18]. **Steinitz** [EW20]. **Sticky** [AZBG⁺22]. **Stochastic** [BJKK18, DHK16]. **Stock** [NRS18]. **Storage** [BFCF⁺17]. **Straight** [CMV16]. **strategies** [MPV10, Swa12]. **Stream** [Coh18, CCM10]. **Streaming** [AN16, Bla20, BG14, Elk11, ER16, EHL⁺18, JW13, KR16, DFR09, FMS⁺10, PS19]. **Streams** [BDW19, CCMT14, BCEG07, HS09]. **Stretch** [EP16, AGM⁺08]. **strike** [LY08]. **String** [BCKM20, BG14, FV16, BFG09, CKS05, CFLM07, CM07]. **String-Matching** [BG14]. **Strings** [Gaw13, BHMS11]. **Strong** [BG21, GHH22, AC10, HKM⁺12]. **Strongly** [BGMW20, KMMP07, Lac13, TSZ14]. **Structure** [BCSV20, BLS08, BNS19, Gab17, CFLM07]. **Structures** [BFV22, GIKW19,

GIN⁺17, HMZ16, PP16, PP18, RT22, AKS08, DIL07, GKS⁺11]. **Study** [BBB20]. **Subconstant** [JW13]. **Subcubic** [AGW23, BGMW20]. **subdivisions** [CDI⁺12, GK09]. **Subexponential** [BFPP18, FLK⁺20]. **Subgraph** [HVV19, ST08]. **Subgraphs** [BKK17, And10, HS06, PS10, VWY10]. **Subject** [MS17]. **Sublinear** [ELMR21, GMV09, HKN17, EMS10, RS11a]. **Sublinear-Time** [HKN17]. **Submatrices** [HL13]. **Submatrix** [GMW20, KMNS17]. **Submodular** [BHZ13, BJLY17, BF18, BFS19, CHJ⁺18, DHK16, Fel17, INV16, WZ16]. **Subquadratic** [Cab19, FLL⁺19, KKK18]. **Subsequence** [BCAD23]. **Subset** [ABHS22, CCHM15, KX19, LRS18]. **Subspace** [WW22]. **Substring** [Pre21]. **Subtree** [ABH⁺18, Epp09b]. **Succinct** [BHMS11, BCH⁺12, GRR06, HMS12, NS14, RRS07]. **Suffix** [FTK20, FGGV06, RNO11]. **Sum** [ABHS22, BJLY17, Cab19, HKS11, HKP⁺18, KX19, Epp09b]. **Sums** [DHS16, RRS07, Vig14]. **supporting** [BCH⁺12]. **Surface** [CJL17]. **Surfaces** [CdM22, RST14]. **Survivable** [BK16]. **Survivable-Network** [BK16]. **Swap** [BPL18]. **Swap-Insert** [BPL18]. **switches** [AKM08, AR06, CJST07]. **Symmetric** [Fel17, RS17, FMS⁺10]. **Symmetry** [GSV20]. **Symposium** [BGN⁺18, HK22, KADK22]. **systems** [BS10].

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Transforms [BHK⁺16, MRR06, JW13]. **transitive** [Rod08]. **Translation**
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 GMP23a, GT16a, GT16b, KBNvL20, ADHY08, BG11, BKM09a, BKM09b,
 CMS07, DMRW09, Epp09b, Fuj12, GNSW20, HMS12, JR05, PR08, BD11].
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 FP13, GT16a, GT16b, GMP17, GMS19, HST15, HKN17, MZ23, NS14,
 PRS20, STK16, TLT21, ABD⁺08, AHTL05, BHMS11, BRFF⁺12, CPR⁺11,
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 CJ18, CJJ20, CKS19, ERV16, GMP23a, Man12, dBBJW21]. **Tutte**
 [DHM⁺14a]. **Tverberg** [ASW08]. **Two** [AW19, Adj19, BK16, CGMY22,
 CHLT14, FP10, HS18, HW19, KK16, KR16, WY18, dBBJW21, DS11, GP08].
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