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$_2$ [QJ97]. k [CYC18, LWZZ15]. Ω [RFLW96]. π [SV03].

-jump [LWZZ15]. **-Skyband** [CYC18].

5PM [BEM$^+$13].

9798 [BCM13].

ABAC [BAVS19]. **Abadi** [MW04]. **Abelian** [MS05a, MS05b]. **abstract** [BPT19, GM10, GTZ04, MMHS13, PG09]. **Abstractions** [NSC18, CDF$^+$08]. **Accelerated** [Elb08]. **access** [AJS12, AHB08, ASL96, ACDS08, ACK$^+$10, AR12, BBFR00, BDJP10, BS02, BGS06, Bro02, DFP$^+$13, DFP$^+$18, HSR08, HTS00, HPS03, KNS08, LKAJ16, LCL$^+$15, MMRS19, RW97, SAsC11, TR11, TL07, UAV$^+$14, VAGL09, YGSY15, YSD13, ZRG08]. **Accessing** [DLL$^+$18]. **Accountable** [BBS$^+$15, BLL02]. **Achieving** [AJB93, HH09]. **Action** [Sin97].

active [BPS08, KGA03]. **activity** [TC16]. **Ad** [ZSXJ06, AJS12, RCBM07, RH07, ZDM07]. **Ad-Hoc** [ZSXJ06, AJS12]. **adaptation** [Bis12]. **adaptive** [KB11]. **Address** [XC09, PSJ^{+}13]. **Address-space** [XC09]. **Adjoining** [GM10]. **administration** [SB99, YGSY15]. **administrative** [AR12, RTV18, VAGL09, YGSY15]. **administrators** [AWJS19]. **Advances** [Vis13]. **adversarial** [CJP^{+}18]. **AES** [Elb08]. **against** [BCFK15, HSR08, LHM^{+}10, MCL^{+}19, PV05, RCBM07, SPS^{+}14]. **agenda** [Pri06]. **agent** [DB11]. **agents** [BR04]. **Aggregating** [HZO^{+}13]. **Aggregation** [Fol92, CPPS07]. **agreement** [PQ03, PQ06]. **ahead** [SM05]. **aid** [BS04]. **aided** [NTU11]. **algebra** [RS01]. **algebraic** [ABG04, CDL06]. **Algebras** [FG95, BCLM05]. **Algorithm** [AJJ95, HDC95]. **algorithms** [AGHP14, LWZZ15, LMG^{+}18, MM96, SAE^{+}05]. **Aligning** [BBK14]. **Allocation** [Mil93b]. **among** [MTJ^{+}19, ZHZY18]. **Amongst** [CGM95]. **analyses** [Pau01]. **Analysing** [KL11, Low04a]. **Analysis** [HDC95, Mea92, NS06, Syv92, Wra92, ABG04, AS15, AR12, AH00b, BBDLM14, BBI15, BCLM05, BDGS16, BR05b, BHČ04, CFL13, CDL^{+}05, CYC17, CHM07, CS05, CEHM07, CS13, CW17, CDWM19, DKS10, DMV15, ES06, GBL18, GEL98, GTZ04, JKK10, KKN^{+}17, KM10, KK16, LOS16, LT17, LŁA15, Low98, Mea01, MSC04, MS05a, MS05b, MVB10, PV05, RS02, RTV18, RTWH11, Shm04, SBP01, SKEG14, TR11, UC07, UAV^{+}14, VVB^{+}09, VIS96, WYSJ08, War05, YGSY15, ZZW^{+}11, BDP05]. **Analytic** [MM96]. **analyzed** [TvdRO03]. **Analyzer** [MSC04]. **Analyzing** [CAFL10, CCP^{+}17, UTHP19, Weh07, ABK^{+}11]. **Android** [CLD^{+}17, JAH^{+}16, MMF15]. **announced** [CGLZ03]. **Anomaly** [SAE^{+}05, LWWJ02, VVB^{+}09]. **anomaly-based** [VVB^{+}09]. **Anonymity** [BMS95, HO05, CMS97, HS04, LS02, PSJ^{+}13, Shm04]. **anonymity-revoking** [CMS97]. **anonymization** [DRRW11, SVA11]. **Anonymizing** [ACM15, PS14]. **anonymous** [SBS05]. **answering** [CYC18]. **answers** [BH09]. **Antigone** [MP06]. **APIs** [HBS16]. **applets** [BCG^{+}02]. **application** [BGE^{+}18, BHČ04, NZS05, QJ97, VC05]. **Applications** [GG92, BHSV14, BLL02, CZ16, DB11, DT97, GLS^{+}17, GEL98, JKK10, KTV12, SR19]. **applied** [BS18, DKR10]. **Applying** [BFGS08, BFGS09, Mea92]. **Approach** [BY95, WL93, ABG04, ALP11, BBFR00, BFM05, BFO05, CLD^{+}17, CDF^{+}12, FF11, HS04, KSS13, MS03, Pau98, SBP01]. **approaches** [BDG^{+}10]. **Approximate** [DHW04, NG08]. **APTs** [RRAZ19]. **Architecture** [AXR12, TS93, ABFK03, DPV09, HTS00, MM96, dACD^{+}16]. **architectures** [LŁA15]. **area** [AFHS09]. **argument** [LZ13]. **ARM** [GNDB16]. **aspects** [CMPP14]. **assessment** [BT06, Mal10, SSBW12]. **assignment** [SB99]. **assignments** [AWJS19, VAGL09]. **associating** [SR19]. **association** [VC05]. **associations** [DFJ^{+}15]. **Assurance** [BMBS10, EMO^{+}93, CT09]. **Assuring** [HKOS18]. **asymmetric** [GJ04]. **Asynchronous** [Yah93]. **Athena** [SBP01]. **ATM** [Chu96]. **attack** [EVK02, GSAV18, HZO^{+}13, Kre13, NG08, OMSH04, SR19, WYSJ08].

[BOS95, KK95, Mot92, TS93, CT09, SC00, TvdRO03, WYSJ08]. **datasets** [ACM15]. **DDoS** [PSJ^{+}13, SM05]. **decentralized** [ACM04, BFG10]. **Decidability** [RS05]. **Deciphering** [GSAV18]. **decision** [HS05]. **Declassification** [MSZ06, SS09, MB09, RS16]. **declassification-aware** [RS16]. **decoys** [BKP^{+}12]. **decremental** [ZV19]. **Defeating** [SSM18]. **defense** [CJP^{+}18, PSJ^{+}13]. **Defining** [Low04b]. **definition** [KTV12]. **definitions** [CGKO11, HMQU09]. **definitive** [DT97]. **Delay** [MCL^{+}19]. **delegatable** [MG08]. **Delegated** [ST15]. **deletion** [BF99]. **delivery** [NZS05, ZMHT07]. **deniable** [TLY^{+}19]. **Denial** [Mil93b, Mea01, Möl05]. **Dependencies** [BC92, MTJ^{+}19, SST08, dC96]. **dependent** [BPS08]. **Depender** [WLM01, WLM02]. **deploy** [dSRCP17]. **Deploying** [BAVS19]. **deposits** [YTLD19]. **derivation** [CDF97, DDMP05]. **deriving** [KB11]. **Design** [BFG10, LŁA15, ABFK03, Gut04b, KSS13, LWZZ15, RW97, SR19, ZAF08]. **Designing** [WMF^{+}17, LUV^{+}18]. **detect** [BR04, DS99]. **Detecting** [BBDG10, CYC17, HDC95, RCBM07, SG96, JKK10, WDDN00]. **Detection** [Mil99, BGJ03, BHSV14, DPV09, EVK02, HFS98, IBS03, IBS04, KPS16, KSZ02, LFM^{+}02, LWWJ02, MMF15, NG08, SM05, SVSM07, SG02, SHM02, SCB^{+}19, UC07, VK99, VVB^{+}09, XVW^{+}06, Yas02, SAE^{+}05]. **detectors** [KSZ02]. **determinism** [RWW96]. **deterministic** [BBG^{+}18]. **develop** [Lot97]. **devices** [BDJP10, CMTB16, CFL13, MvO11]. **Diet** [MGK^{+}17]. **Diet-ESP** [MGK^{+}17]. **differential** [CYC18]. **differentially** [AAC^{+}15]. **differentially-private** [AAC^{+}15]. **differentiation** [MVB10]. **Diffie** [MS05a, MS05b]. **Digital** [CMS97, AGHP14, BSSB06, WD08, WCJS97]. **dimensional** [CT09, WLJW07]. **Dimensions** [SS09]. **directories** [LKWB06]. **disclosure** [BH09, LWZZ15, MB09]. **Discovering** [BBDLM14]. **discovery** [CYC17, CEE^{+}01, LWM03]. **discretionary** [AH97]. **disjoint** [Gut04b]. **disjointness** [BHM14]. **display** [KNTU13]. **display-equipped** [KNTU13]. **dissemination** [BLB^{+}09]. **distance** [ABK^{+}11, BMV15, KKN^{+}17]. **distance-bounding** [BMV15, KKN^{+}17]. **Distributed** [GLP93, LWM03, WL93, BFM05, BGS06, DFJ^{+}11, HLVA11, HVL12, JHS96, LAGM17, MS03, MS96, SWC07, YSD13, YLZ05, ZDM07]. **Distributing** [CGM95]. **Distribution** [BMS95, CCD06, SPD^{+}10, WLM01, WLM02]. **distributions** [BDF^{+}12]. **diversity** [PS10b]. **DNP3** [CDWM19]. **DNSSEC** [Gue09]. **document** [KPS16]. **documents** [BFM05, DGK^{+}04]. **Dolev** [BPS08]. **Domain** [MSC04, CS05, KM98, SG02]. **domain-specific** [SG02]. **downward** [GLZ11]. **driven** [AJS12, BGT15, PM18]. **DRM** [DTG16]. **Duty** [NBM95]. **Dynamic** [Bis12, BFM07, MMHS13, NBM95, BM99, FR06, MGS^{+}17, PSJ^{+}13, SST08, ZV19]. **dynamically** [LOS16].

e-mail [NZS05]. **e-Passports** [LG10]. **E-voting** [CW17]. **eavesdropping** [Han11]. **economic** [CGLZ03]. **ecosystems** [RRAZ19]. **Edge** [VAGL09]. **Edge-RMP** [VAGL09]. **editor**

[ZL95, BR05b, DHW04, RWW96, RS01]. **internal** [KSZ02]. **Internet** [GMR^{+}11, DGMS03, OMSH04, PS10a, SKEG14]. **Interoperable** [LG10]. **interpolation** [RVV17]. **interpolation-based** [RVV17]. **Interpretation** [MSC04, BPT19, GM10, MMHS13, PG09]. **intersection** [BHM14, VC05]. **interval** [WMF^{+}17]. **intradomain** [PV05]. **intransitive** [vdM15]. **Introduction** [Gut09, VG11, YGH08, YRY08]. **intruder** [BR04]. **Intrusion** [HFS98, LJM00, Mil99, SG02, EVK02, IBS03, IBS04, KSZ02, LFM^{+}02, MMF15, SSBW12, UC07, VK99, Yas02, YLZ05, ZGD04]. **Invalid** [GBL18]. **investigations** [BS04]. **IoT** [MGK^{+}17]. **IP** [DS99, MGK^{+}17]. **iris** [BA12]. **islands** [XC09]. **ISO** [BCM13]. **ISO/IEC** [BCM13]. **isolation** [GNDB16, LJM00]. **Issue** [Vis13, BSR97, CLM^{+}10, Cam10, MSB17, SV15]. **issues** [BMP18, BSCGS07]. **Iterative** [BM12].

Jannie [KNTU13]. **Java** [DJLP10]. **Java-like** [DJLP10]. **JavaScript** [HBS16]. **JCS** [CLM^{+}10, Cam10]. **Johnny** [HM13]. **join** [DFJ^{+}16]. **Journal** [BR09]. **jump** [LWZZ15].

Keccak [LLA15]. **Kernelized** [TS93]. **Key** [BPS08, BMS95, CMMV07, DMM04, LG10, Mea92, Pri06, TA92, ABHS09, ABR13, CFL13, CLK04, CCD06, GT17, Gue09, GSAV18, HJT^{+}96, KAM08, KM98, LHM^{+}10, LYW^{+}10, Lop06, PQ03, PQ06, RFLW96, SPD^{+}10, TLY^{+}19]. **Key-dependent** [BPS08]. **keys** [DMM10, KAM08]. **keystroke** [BGE^{+}18]. **know** [BBS^{+}15]. **Knowledge** [Syv92, BU10, DLYZ11, LZ13, MMHS13]. **knowledge-based** [MMHS13]. **known** [LWZZ15].

Language [ES06, BN07, BFG10, CHM07, EVK02, LOS16, MW04, Smi06, SG02, VS99]. **LaPadula** [Mil96]. **Large** [GLP93, SA16, ZDM07]. **large-scale** [ZDM07]. **Last** [ZV19]. **layer** [JAH^{+}16, MGK^{+}17, RCBM07]. **layered** [GRKL15]. **layout** [XC09]. **LDAP** [LKWB06]. **Leak** [DTX09]. **Leak-free** [DTX09]. **leakage** [ABHS09, AAC^{+}15, BCC^{+}19, SG96, UTHP19]. **leakages** [VPZ16]. **Learning** [MTJ^{+}19, LMG^{+}18, RTWH11]. **length** [PB13, WDDN00]. **LESS** [SA16]. **level** [DS99, ZAF08]. **Leveraging** [HCM11, MvO11]. **Life** [LKWB06]. **Life-cycle** [LKWB06]. **lightweight** [FM98]. **like** [DJLP10]. **limit** [Cli00]. **limited** [JPSS16]. **line** [Wan06]. **linear** [HVL12]. **Linguistic** [BDGS16]. **linked** [Aba98, HvdM01]. **Linux** [GNDB16, GHRS05]. **lists** [PB13]. **lived** [ZDM07]. **liveness** [BPWS04]. **local** [Aba98, HvdM01]. **location** [SAsC11, SVA11]. **location-based** [SVA11]. **locked** [YTLD19]. **logic** [BBFR00, DDMP05, DMP03, GP12, HvdM01, Hal17, JH09, JPSS16]. **logic-based** [BBFR00]. **Logical** [BC92, SP03, CLK04, HvdM03, KNS08]. **login** [HM13]. **logs** [BT06]. **long** [ZDM07]. **long-lived** [ZDM07]. **looping** [Mal10]. **Loose** [DFJ^{+}15]. **loss** [DMV15]. **Low** [BBG^{+}18, ALP11, DS99, NR11]. **low-bandwidth** [NR11]. **low-cost** [ALP11]. **Low-deterministic** [BBG^{+}18]. **low-level** [DS99].

multiapplicative [SRS^{+}02]. **Multicast** [ZSXJ06, DMM04, DMM10, LS02, MR97]. **Multilevel** [AXR12, AJJ95, AJB93, JAK^{+}01, KK95, TS93, AHB00, BF99, RAJ98]. **multimodal** [ATI^{+}10]. **Multiple** [BMS95, CGM95, DFP^{+}13, KM98, SB18b, ZHZY18]. **multisensor** [SM05]. **Multiset** [DLMS04, BCLM05, CDL^{+}05]. **multithreaded** [DJLP10].

name [Aba98, HvdM01, SC00]. **name-spaces** [SC00]. **Needham** [War05]. **needles** [PS10a]. **net** [AH00b, ZHZY18]. **NetSTAT** [VK99]. **network** [BWJS18, BKP^{+}12, Gei13, NG08, RW97, UC07, VK99, Weh07, dC96]. **network-based** [VK99]. **network-centric** [RW97]. **Networks** [Vis13, ZSXJ06, AFHS09, CPPS07, Chu96, GT17, HZO^{+}13, HCM11, JBH13, KGA03, LGGO18, Lop06, Mea01, PS14, RCBM07, RH07, SPD^{+}10, TC16, TEML08, ZDM07]. **Neural** [Gei13]. **NEXPTIME** [ŢBEB08]. **NEXPTIME-complete** [ŢBEB08]. **NFC** [AS15]. **no** [CLD^{+}17]. **no-root** [CLD^{+}17]. **noisy** [GT17]. **Non** [BR05b, MG08, RWW96, ZL95, DHW04, KR03, LZ13, MB09, MSas13, RS01, SPS^{+}14, Wan06]. **non-control** [SPS^{+}14]. **Non-delegatable** [MG08]. **non-disclosure** [MB09]. **non-interactive** [LZ13]. **Non-Interference** [ZL95, BR05b, RWW96, DHW04, RS01]. **non-malleable** [MSas13]. **non-repudiation** [KR03, Wan06]. **nondeterministic** [BBG^{+}18]. **Noninterference** [BY95, Fol92, McL92, ABG04, Smi06, VS99, vdM15]. **Norwegian** [CW17, HSR08]. **Notarized** [GTY08]. **note** [BM99]. **novel** [SBP01]. **NPATRL** [MSC04]. **NRL** [MSC04]. **number** [Zúq05].

OBDD [CDF^{+}12]. **obfuscated** [BCC^{+}19]. **obfuscation** [PS14, PG09, PM18, PS10b]. **Object** [BOS95, TS93, BF99, DT97, HTS00]. **Object-Oriented** [TS93, DT97]. **objective** [CGKW17, DRRW11, HZL^{+}18]. **objectives** [BBK14]. **obligations** [CCBE13]. **Obstruction** [BBK14]. **Obstruction-free** [BBK14]. **off** [Wan06]. **off-line** [Wan06]. **offs** [DRRW11]. **One** [SM05, PB13]. **open** [BSCGS07, LAGM17, TEML08]. **operating** [SG96]. **Operational** [LBF^{+}93]. **operations** [Dug04, WMF^{+}17, YLZ05]. **operator** [MS05a, MS05b]. **opinion** [CYC17]. **opportunities** [BHSV14]. **optimal** [JPSS16, MCL^{+}19]. **Optimality** [Yah93]. **optimization** [DRRW11, LVA14]. **optimized** [HZL^{+}18]. **Optimizing** [JBH13]. **options** [BWJS18]. **Oracle** [SB99]. **ORAM** [MMRS19]. **order** [Coh03, Hal17]. **orderings** [BSS97]. **Oriented** [TS93, DT97, LHY^{+}15]. **origin** [BS04]. **outsourced** [BA12, CMTB16, CT09, DFP^{+}13, LCL^{+}15, MMRS19]. **outsourcing** [CDF^{+}11]. **overflow** [ZZW^{+}11]. **ownership** [NSMSN11].

P5 [SBS05]. **packet** [ZMHT07]. **pairings** [KM10]. **Panoptis** [SG02]. **Paper** [Ano15b]. **Papers** [Ano92b, Ano95b]. **paradigm** [DT97]. **Paragon** [BvDS17]. **parallel** [BR04]. **parameter** [BHSV14]. **parent** [ASL96]. **Parity** [WLJW07]. **Parity-based** [WLJW07]. **parse** [BMP18]. **parsing** [BMP18]. **partial**

procedure [HS05]. **Process** [FG95, RS01, ABG04, BCLM05, BS04, JAH^{+}16, WDDN00, YLZ05]. **process-algebraic** [ABG04]. **processes** [APRR14]. **processing** [AXR12, JAK^{+}01, MM96, RAJ98]. **product** [KSWH00]. **profile** [SVA11]. **profiles** [LWWJ02]. **Programmable** [HPS03]. **programmed** [Zúq05]. **programming** [BvDS17, HVL12]. **programs** [BBG^{+}18, BPR07, DJLP10, MS03, NSH14]. **Project** [ACK^{+}10]. **Prometheus** [CCP^{+}17]. **Proof** [GP12, BGSW11, BR05b, RRAZ19]. **proofs** [AGHP14, BU10, GL10, Hal17, MCB13, YY15]. **Properties** [FG95, Fol92, BJLT01, CDL06, DHRS11, DR16, DKR09, DMP03, Hal17, HBD19, NRW14, RDDM10]. **property** [PM18]. **property-driven** [PM18]. **propositional** [Bis12]. **proprietary** [DKS10]. **Protecting** [GLS^{+}17, BSSB06, DFP^{+}18]. **Protection** [AS92, Bis95, Bis96, HSR08, Mil93b, San92b, ATI^{+}10, CAFL10, DLRS01, WD08]. **protections** [SPS^{+}14]. **Protocol** [Mea92, MSC04, BHM14, BCLM05, BHČ04, CB15, CDL^{+}05, CW17, DDL15, GT17, GTZ04, Gut14, LS02, MR97, MCB13, MS05a, MS05b, NSC18, Pau01, SBS05, SBP01, War05, Yas02, ZF12, MSC04]. **Protocols** [SM95, Syv92, Yah93, AS15, ABK^{+}11, Bel03, Bla09, BBD^{+}05, BR05b, CPP08, Coh03, CEHM07, CDL06, DDMP05, DKR09, DGJN14, DMP03, DLMS04, FHG99, GRKL15, GJ03, GJ04, GEL98, Gut04b, HSH11, HLS03, HL01, JH09, KKN^{+}17, KSS13, KR03, KM10, KK16, Low98, Low99, Low04a, MVB10, NR11, PB13, Pau98, PQ03, PQ06, PV05, RS05, RVV17, RB99, SB18a, ŢBEB08, Wan06]. **Prototype** [EMO^{+}93]. **Provable** [GEL98]. **Provably** [BCM13, DJLP10, GNDB16, BMV15]. **prove** [DGJN14]. **Proved** [CB15]. **provenance** [AACP13]. **Providing** [BS04]. **Proving** [McL92, RB99, DMP03, FHG99]. **provisioning** [MP06]. **pseudonym** [CG06]. **pseudorandom** [CZ16]. **Public** [CMMV07, LG10, Pri06, TA92, YY15, CFG^{+}17, Lop06]. **public-key** [Lop06]. **publication** [CAB10, DGMS03, HLVA11]. **Publicly** [CZ16, NMP^{+}13, CGLZ03, LWZZ15]. **publicly-known** [LWZZ15]. **publish** [YSM14]. **publish/subscribe** [YSM14]. **publishing** [CDF^{+}12, DFJ^{+}15]. **purpose** [DGJN14]. **purposes** [KNTU13].

Qualified [MSZ06]. **qualitative** [Hal17]. **quality** [DRRW11, Zúq05]. **quantification** [VPZ16]. **Quantifying** [CMS09, CHM07]. **Quantitative** [AAP12, Hal17, YT11, ZMHT07]. **quantity** [Low04b]. **quantum** [SPD^{+}10]. **queries** [Bis12, BH09, DFJ^{+}16, VVB^{+}09, WLJW07]. **Query** [CT09, BW08, CWT14, CYC18, DFJ^{+}11, PS14].

random [Zúq05]. **randomization** [XC09]. **randomness** [BM99]. **range** [WLJW07]. **rank** [HS05]. **rational** [BHČ04]. **RBAC** [BAVS19, BGT15, LHY^{+}15, RTV18]. **reader** [NTU11]. **real** [BT06, SCB^{+}19]. **real-time** [BT06, SCB^{+}19]. **Realm** [GLP93]. **Reasoning** [KGA03, NF18, BHM14, BS18]. **Reconstructing** [CDM04]. **reconstruction**

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