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Title word cross-reference

1 [Cor15c, GR02, GH18b, Ich06, Kap07, Kos03b, RAG⁺04, Sac07, Spi15a]. **1-2-3** [Kap07, Sac07]. **1-4033-1517-5** [Smi03]. **10NES** [O'D09]. **11** [Kis95]. **1620** [Spi05]. **1870s** [Tym96]. **1880s** [Hei11]. **18th** [Cro03a, Cro03b]. **18th-Century** [Cro03a, Cro03b]. **1920s** [Cor17]. **1930s** [Hei11]. **1940s** [Asp00, Cor06a]. **1950s** [Cla10, Cor06a, DMD18, Hai09, Kos03a, Tin10]. **1958-1985** [Vog17]. **1960s** [Cor02, Don10, Gup07, Hai02, Hai09, Hen05, Joh98, Joh02, Pee09, Smi16b, Tin10, Tym96]. **1970s** [Cor15b, Cor15a, Gre95, HIIT05, Pee09, RP12]. **1976-1985** [Ber06a]. **1978** [Hus97]. **1980s** [Cor15a, Cor17, Hod19, OARHC10, RP12, Sta15]. **1985-1995** [Ber06b]. **1990** [Wei93d]. **1990s** [Cor15b, HII⁺05]. **1st** [Smi03].

\$14.95 [Smi03]. **\$24.95** [Ber03d]. **\$44.95** [Mor03]. **\$8.50** [Smi78]. **\$95.00** [Win03]. π [RG02, She12].

. [Ber03d].

0 [RAG⁺04]. **0-19-514025-7** [RAG⁺04]. **0-262-03303-8** [RAG⁺04]. **0-262-06224-0** [Ber03d]. **0-262-08305-1** [RAG⁺04]. **0-7382-0561-3** [RAG⁺04]. **0-801-86895-5** [RAG⁺04]. **0-8018-6809-2** [Mor03]. **0-929306-27-9** [RAG⁺04]. **0-930405-85-4** [Cer03]. **000-year-old-computer** [Mar10a]. **01** [Sta07]. **085-296-7926** [Win03].

2 [McJ17b, Roe16b, Swa05a, Wil92a]. **2.0.1** [Kid00h]. **20** [Mur15]. **2000** [Bru09, Ros04]. **2000s** [Smi16b]. **2002** [RAG⁺04]. **2016** [Ano15a]. **2017** [Ano17a, Sid20]. **2018** [Yam19a, Yam19b]. **2019** [Wal19]. **2020** [Ano20g, Ano20k, Ano20q]. **20th** [Kid96a]. **210** [Run08]. **21st** [Ano20f]. **28a** [Wil00c, Bro00].

3 [Kap07, RAG⁺04, Sac07]. **30** [Smi07]. **33** [Per99]. **370** [Wad12].

4004 [Asp97]. **440** [JMSV10, JMV10, Sie10].

5 [RAG⁺04]. **50th** [Wal19].

60 [DA14]. **6000** [Var94]. **650** [Gil07].

7 [RAG⁺04]. **70** [Sta03].

8 [RAG⁺04]. **80** [de 74]. **8086** [Maz10]. **850** [OARHC10].

9 [RAG⁺04]. **978** [GH18b]. **978-0-262-03398-5** [GH18b]. **978-1-4214-1868-1** [GH18b].

A. [Kid96b]. **AAAS** [Wal19]. **ABA** [McK95]. **Abbate** [Rus13c]. **ABC** [Swe05]. **Absence** [Cam09]. **Academy** [JB07]. **Access** [Bac09]. **Accomplishments** [HII⁺05]. **Account** [Kos03b, McK11]. **Accurate** [Smi99a]. **Achieve** [Ano17b, Ano17c]. **ACM** [Ano19a, Ber09]. **ACM/IEEE** [Ano19a]. **Acoustic** [ES05]. **Acoustics** [Swe05]. **Acquire** [Cor19a, Cor19b]. **Acquisition** [Bau06]. **Across** [RCP⁺13]. **ACS** [Ran15, Rob16]. **act** [BW00, Wil00b]. **Action** [GH18b]. **Activist** [Nyi11]. **activity** [CK92c, CK98]. **Ad** [Ano18c, Ano18d, Ano18p, Ano18o, Ano18t, Ano18v, Ano18u, Ano18-27]. **Ada** [Lee00a, Spi03, Too96]. **Adabas** [Mag09]. **ADAPSO** [Hai04b, Hai05b]. **Adder** [HT12].

Adding [Kid01d, Roe08, Kid00a, Kis98]. **Adelle** [Asp01a]. **administration** [Gri98]. **Administrative** [Ano18m, Ano18n]. **Adobe** [WG19]. **Adopter** [Gal11]. **Ads** [Ben13]. **advantage** [Asp00]. **Advent** [McJ20, Yos13a]. **Advertisement** [Ano13b, Ano13c, Ano14d, Ano14f, Ano14g, Ano14k, Ano15b, Ano15c, Ano15e, Ano15f, Ano15g, Ano15l, Ano15m, Ano15a, Ano15n, Ano15o, Ano15q, Ano15p, Ano15v, Ano16a, Ano16b, Ano16h, Ano16i, Ano16m, Ano17f, Ano17m, Ano17u, Ano17w, Ano17x, Ano17y, Ano17z, Ano13g, Ano13f, Ano14c]. **Advertising** [Hic10]. **Advocate** [Smi11]. **AEG** [JMSV10, JMV10]. **AEG-Telefunken** [JMSV10, JMV10]. **aerospace** [Joh96]. **Affair** [van19]. **AFIPS** [Gro92]. **After** [BS11, GM96, GS09, LH95, Lon08]. **AG** [Mag09, Lei17]. **Again** [Mir17]. **Against** [GS07]. **Age** [MT06, Mor03, Bow96c, Kid99a]. **Agenda** [Cor04]. **agendas** [Owe96]. **Ages** [Kid99e, Smi03]. **Agricultural** [Gri00a]. **Ahead** [Mar12]. **Aided** [Cro18, ORB⁺92]. **Aids** [Gri01b, Mil11, Pol95, CF92]. **Aiken** [Coh98, Cop04b, Cro00b, Lee00c]. **Aiken-Dahlgren** [Lee00c]. **Air** [Dor94]. **airborne** [Bro99b]. **Airline** [Ek194, RAG⁺04]. **Airy** [CK92a]. **Akera** [RAG⁺04]. **Alamos** [HPR14a, Lew17]. **Alan** [Bar07, Sau93]. **Albert** [Ano12a]. **Alberta** [SW96, Smi07]. **Alcoa** [Ges08]. **Aldrich** [Ano00b]. **Alfred** [Nyi11]. **Algol** [Alb14, AD14, Bra13, Dur14, DA14, MK14, Nof10]. **algorithm** [RG02]. **Algorithmic** [DA14, GG92]. **Algorithms** [Dry18, RG02]. **Allan** [BH99, Wil00c, Wil00d]. **Allen** [Sim98]. **Almanac** [Cro03b]. **alone** [Bis98]. **Alper** [Sid20]. **Alternate** [Wil98a]. **Alternative** [Alp15]. **Alto** [Spr18b]. **Always** [SB20]. **Alwin** [Tod93]. **Amateur** [Got14]. **Ambiguous** [Lee97, Sjö11]. **Amendment** [AG19]. **America** [Alb10, Mag09, da 15b]. **American**

[Ano00b, AW94, Bur02, Cor96, Cor07, Dia12, Don10, Hai10a, Hei97, Hei11, Mai16, Mor19, Rio00, Sch17, Uss96, Vog17].

Americanization [Alb10]. **Amiga** [Rus13c, Sza18]. **among** [Kid99b].

Amsterdam [AD14]. **Anacom** [Asp93a, Ges08]. **Analog** [Asp93a, Cly93, Coh15, Col14, Hem14a, Sma93, Bow96c, Joh96, Per99, Puc96, Tym96]. **Analysis** [Neu09]. **Analyst** [Wil03, Too96].

Analytical [Bro00, Wil00c, Bro98]. **analyzer** [Hol96, Tym96]. **analyzers** [Hai03a]. **Ancestor** [Har13]. **Ancient** [GB13, de 59]. **Anderson** [Gui99]. **Andrew** [CH15]. **Andries** [Mac98]. **Anecdotal** [Smi01b]. **Anecdotes** [Ano97a, Ano02b, Ano10a, Ber03f, Fit02a, Fit02b, Fit03a, Fit03b, FAP⁺03, Fit03c, FRB04, Gri01a, Kap97, LM06, MS09, Pat06, Rob05a, Rob04a, Rob04b, Rob04c, Rob05b, Rob05c, Rob05d, Rob05e, Roe09, Tom92a, Tom92b, Tom92c, Tom93a, Tom93b, Tom93c, Tom94, Tom95b, Tom95a, Tom95c, Tom99, Tom00a, Tom00c, Tre01].

Animated [Was13]. **Annals** [Ano03a, Ano06, Ano07, Ano19f, Ano20c, Ano20d, Ano98b, Ano19b, Cer02, Gal04].

Anne [Nik17a]. **Anne-Louise** [Nik17a].

Anniversary [Kid96a, Wal19, Win96].

Annual [Ano00a, Ano01a, Ano02a, Ano03a, Ano04a, Ano05, Ano06, Ano07, Ano09a, Ano09b, Ano11a, Ano13a, Dod00, Wal19].

Answer [Ber14, Cor04]. **Antikythera** [Ash76, Bal76, Bro77, Dra76a, Nas75, Nor77, Ole77, Smi78, Bro86, Mor84, Spi08, de 74].

Antiquity [Smi78]. **anyone** [Kis99b].

Apollo [Kid99d]. **App** [SH19]. **Application** [Cas06, Cor97]. **Applications** [Ano97b, GR02, Ray02, Sch06a, Whe92b, Cor96, Ano19h]. **Applied** [CD14].

Appreciation [Mor84]. **Apprehension** [Tha17]. **Approach** [Lat13].

Appropriating [Alb10, Don10]. **Appropriation** [BLH12, Yos13a]. **Arc** [Ges07b]. **Archeologist** [Ber03d].

Architect [And07b, Nik17b]. **Architects** [Kid99e]. **Architectural** [Hal18, Cer97].

Architecture [Ano20e, MA96, Fal98, Roj97].

Architectures [Lav93]. **Archive** [ORB⁺92, Sha00]. **Archives** [BK01, Fei10, ORB⁺92]. **Area** [Ges06b, Ges09a]. **Argentina** [Car15].

Arithmetic [Roe15, Roe16b, Wil97a].

Arming [AW94]. **ARPA** [O'N95].

ARPANET [FC15, O'N95, Wal19, FC16, Kir99, Luk11, WI14]. **Array** [Smi11]. **Art** [Col14, McD10a, OB08]. **Arthur** [Asp07, Mis07a, Wei92e]. **article** [Ano98b].

Artifacts [Ens07, HC20, Yam18]. **Artificial** [Kli11, Shi19, Ada96]. **artillery** [Per99].

Arts [SWH18]. **Asia** [Cho16, RCP⁺13].

Asian [NM09]. **Ask** [Nov16]. **Asociación** [FHD17]. **Aspects** [DMS18]. **Aspray** [VM18]. **assembly** [Hol97]. **Assertions** [Hoa03]. **Assessing** [CG20]. **Assisted** [BH95]. **Assistive** [Alp15]. **Associates** [Moo03]. **Association** [CCK00].

associative [Ber03f]. **Assurance** [CK94].

Astronomical [Roe12, SB20]. **Atanasoff** [Gri00a, Lee95d, Wil01b]. **Atex** [Dra18, Sey18a]. **Atlas** [How99]. **Atsushi** [RAG⁺04]. **Attempt** [Bau06].

Augmentative [Alp15]. **Augusta** [Lee00a].

Australia [Mac03]. **Australian** [Tat13].

Author [Ano13a, Ano18a, Ano00a].

Authoritarianism [da 15a].

Authoritative [RAG⁺04]. **Authority** [Gal11]. **Authors** [Ano92c]. **autobiography** [Hal00]. **Automata** [Kli11]. **Automated** [Ekl94]. **Automatic** [Hus97, Jon04, Kis95].

Automating [Mar02]. **Automation** [BB02, BGM02, Hai06, McC02, Sla15, De 95, Mac95]. **Autoscritcher** [CF92]. **Award** [Ano16h, Ano15a, Ano17a, Ano17i, Ano19a].

Awards [Ano16a, Ano17d, Ano19o, Ano19p, Ano20h, Bow98b, Ano17y].

B.C. [Bro77, de 74, Bal76, Dra76a, Nas75, Nor77, Ole77, Smi78]. **B5000** [GS03, GS09]. **Babbage** [Ano00b, Ano17a, Asp07, CK92d, CK01b, Lee95e, Mis07a, Nor01, Sei95, Wil00c, Ber92, Bro98, Bro00, BW00, CK94, CK00, CK01a, Dod00, FF03, GG92, Gri10, Hym92, Rob93, Roe09, Swa05a, Wil00a, Wil00b, Wil98b]. **Baby** [Cop11b, Bur05]. **Bachman** [Hai11]. **Back** [Fel11, Mul03, van19, Tym96]. **Bag** [Cor13]. **Balls** [Was13]. **Baltimore** [GH18b]. **Banking** [FM93, Mar12, MF93, McK95]. **Banks** [Neu04]. **Barcelona** [FH14]. **Barclays** [Mar12]. **Bardeen** [Sei03]. **Base** [Hai09]. **Based** [Nov11, Ste03, CMM95, Est00]. **Bassett** [Mor03]. **Battalion** [Hea01a]. **battles** [Kid00e]. **BBC** [Jon04]. **BBN** [Bar05, Ber05, Cas06, Feu06, FC16, Hea05, Lev05, Mak06, PB06, Sch06a, Swe05, Wei06]. **BC** [Ash76]. **Be** [Ano16i, Ano17k, Gal04, Tes18]. **beaten** [Joh99]. **Beatrice** [Cam03b]. **Beauchamp** [Win03]. **Beautiful** [CCK00]. **Became** [Kat10, Pau14]. **Beckmann** [OB08]. **Before** [AC16, Fra04, Ger04, GS03, Lig03, Pol97, Roe16a, RAG⁺04, Tak96]. **began** [Joh98]. **Beginning** [BGM02, Car15, Dar12, FBK06, Kid00d]. **Beginnings** [Cro93, LML92, Mur09, Neb98]. **Behavioral** [Swe05]. **Behind** [Cam03a]. **Belarus** [Sto99]. **Bell** [RAG⁺04, Irv01, Spi15b]. **Bells** [OK07]. **Benchmark** [Kap07]. **Benson** [Dia16]. **bent** [Cos96]. **Beranek** [WN05, WN06]. **Berkeley** [Lon04, Yat97]. **Bernard** [Hai03c, Ake08, Hai04b]. **Bernie** [Hai04b, Ano01b]. **Berry** [BS96]. **BESK** [Pet05]. **Best** [Fev13, Ano17o, Ano17p]. **Bets** [HPR14a]. **Better** [Ano17w, Ano17x, Ano17v]. **Between** [Gre05, RAG⁺04, SR14, VHSCC15, DMD18, DeN15a, De 95, Yat97, Ger04]. **Beyond** [Sta19]. **Bibliographic** [Ano97b]. **Bibliography** [Ano92e]. **Big** [Ano16m, Ano19k, Ano19l, Joh99, Med08]. **Bigelow** [Wal18]. **Bill** [Eck07b]. **Biographies** [Ada05, Ada06, AD07, And09, Ano92c, Ano97c, Ano98a, Ber06c, DH08, For97, HW03, Hai03a, Hai03c, Hai03b, Hai04a, Hai04b, Hai04c, Hai05a, Hai05b, Hai05c, LB06, Lee99a, Lee00b, Lee01d, Lee01c, Lee01a, Lee01b, Lee02, LH03, Pol03, RAG⁺04, Van09, Wei92e, Wei92b, Wei92c, Wei92d, Wei93d, Wei93a, Wei93b, Wei93c, Wei94b, Wei94c, Wei94d, Wei94e, Wei95c, Wei95a, Wei95b, Wei96a, Wil92b]. **Biography** [Gio93, Gri11a]. **Biology** [Sau93]. **Biomedical** [Nov11, Rus13a]. **Bion** [Kid97b]. **Birth** [CG94, Lip15, McQ09, Kid99a, Win96]. **Birthday** [Lee93d]. **Bitnet** [GC00]. **Black** [Cou95]. **Blackett** [And07b]. **Blaise** [Kis98]. **Blanch** [Gri97]. **Bletchley** [Ano97e, Wei94a, LH95, ORB⁺92, Sal05]. **Blomkamp** [RCP⁺13]. **Blue** [Joh99, Med08]. **Board** [Ano09c, Ano09d, Ano15e, Ano15f, Ano19s, Ano15d, Ano19-34, Ano19-35]. **Boat** [Ges07a]. **Body** [Ano97d]. **Boeblingen** [Gan04a, Gan04b, Roj04a, End04]. **Bohn** [Wal20]. **Bolt** [WN05, WN06]. **Bombes** [EMW02, LBA00]. **Bond** [McJ20]. **Bone** [Roe17]. **Bonner** [Moo03]. **Book** [Ake00, Ano97b, Ano97e, Ano97d, Ano97f, Bal76, Bar03, BS11, Ber03d, Bro77, CK97, Cer03, Dra76a, EA17, Fie03, Ger04, Gui99, Kid99a, Lee97, Lee99b, Mis99, Mor03, Nas75, Nor77, Ole77, Pos00, Rio00, Roj04a, Roj04b, Rus16d, Rus17, Sei03, Sid20, Smi99a, Smi02, Smi03, Smi78, Smi99b, Spi03, Spr18a, Tym99, Wal00, Wei94a, Wil00a, Wil01a, Win03, Rus15c, Rus16a, Lip15]. **Books** [Smi03, Ano14e, CB19, GH18b, KW19, Rus13b, Rus14b, Rus14a, Rus15d, VM18]. **Bootstrapping** [Bar03]. **Boroughs** [Ges09b]. **Both** [Fev13]. **Bottomless** [Med08]. **Bouncing** [Was13]. **Boundaries**

- [Jes07]. **Boys** [Pet05]. **Brain** [Ano00b, Bow96c, Wil00a]. **Brake** [Hic08]. **Branch** [BBW18, BBW19, Cor17]. **Brazil** [RC15, da 15a]. **Breaking** [GM96, LH95]. **Bresenham** [RG02]. **Brief** [DAGVR⁺15, Rob19, Tak96, Tri01, Wir08, Kid00h]. **Brinch** [LH03]. **Britain** [Mac03]. **British** [Bow96c, CCK00, Hic10]. **Brno** [SWH18]. **Broadcasts** [Jon04]. **Brogramming** [Hic13]. **Bromley** [Wil00c, Wil00d]. **BT** [Per99]. **BTM** [Yos13a]. **Buffer** [Sho01]. **bug** [Kid98, Ekl92]. **Build** [Ano00b, Roj04a, Wil00a]. **Build-Up** [Roj04a]. **Building** [Ake98, DGG⁺08, ERS03, Hai03a, Wil01a, Lin16]. **Buildup** [Gan04a]. **Built** [Hea03, Luk11]. **Bundling** [Pug02]. **Bureau** [Gur96, Hai04b, Kir98, vdE94]. **Bureaucratic** [Hey08a, Hey08b]. **Burroughs** [Bra13, GS03, GS07, GS09, Kos03a, Mar12, Yos13a]. **Bush** [Ano00b, Kid96f, OK07, Puc96, Rio00]. **Business** [All18, Cor06a, Cor07, Gra13, Kid99e, Lan00, Old95, Uss96]. **Busman** [Ges06a]. **Byron** [Too96]. **BYTE** [Kid96a].
- C** [Kit03, Yam19a, Yat97]. **ca** [Ash76, Bal76, Bro77, Dra76a, Nas75, Nor77, Ole77, Smi78, de 74, Kru09]. **Cable** [Lig03]. **CAD** [Bis98]. **Calculating** [GHV05, Jon04]. **Calculation** [Alo04, Smi12]. **Calculations** [Swe98, vdE92, Pol97]. **Calculator** [Kis01, Roe15, Roe16b, Kis95, Lee00c]. **Calculators** [Ano92d, Fla98, Hen10, Kis01, Pre96, RP12, San13, Swa95a, Swa95b, Swa95c]. **Calculus** [Car15]. **Calcumeter** [Otn98]. **Calendar** [Ash76, Bal76, Bro77, Dra76a, Nas75, Nor77, Ole77, Smi99a, Smi78, Smi00, de 74]. **Calendrical** [Swe98]. **California** [CK12]. **Call** [Ano15b, Ano15c, Ano16h, Ano17d, Ano18b, Ano19o, Ano19p, Ano20f, Ano20n]. **Caller** [Ano16a]. **Calvin** [Wei95c, Wil01b]. **Cambridge** [GH18b, Sid20, Ben93a, CK92b, CK92c, CK98, Cro92, Ges07b, Nee92, PHL92]. **Came** [Gal04, Tes18]. **Campbell** [RAG⁺04]. **Campbell-Kelly** [RAG⁺04]. **Campuses** [Ran14]. **Canada** [Cam03b, Dor94, Ges07a]. **Canadian** [Var94]. **Canyon** [Cou95]. **CAP** [Nee92]. **Capability** [Lin16]. **capacity** [Uss96]. **Capitalism** [Fid18, Sch17]. **Card** [Kis92b, Kis05, vdE94, Hei97, Kis97]. **Cards** [Wil02]. **Career** [Ano01b, Ano16j, Ano20s, Ano17b, Ano17c]. **Carl** [Bar97, Ber06c]. **Carlo** [HPR14a]. **Carr** [Lee01d]. **Carries** [Roe17]. **Carrying** [Cor13]. **Carteron** [MK10]. **Case** [Ayl10a, BB02, Cro99, Lei17, Lan00, Per99, Veh99]. **Cash** [BLR11]. **Cash-Dispensing** [BLR11]. **Cashless** [Smi16b]. **Casinos** [Tur11]. **Caught** [De 95, BW00, Wil00b]. **CBI** [Ano02e, BK01, Yos01]. **CBI/Tomash** [Yos01]. **CDC** [Kos07, Neu09]. **ceiling** [Goy96]. **Celebrates** [Woo95]. **Celebrating** [Win96]. **Celebrities** [Gri11a]. **Census** [LM94, Kis97]. **Census-Taking** [LM94]. **Center** [Ano16i, Ano17k, Gri07a, Kid00a, Fei10, Min07b, ORB⁺92]. **Centers** [Wil02]. **Central** [vdE94]. **Centre** [Wil94b]. **Century** [Ano00b, Kid19b, MPDT12, Mar10a, Rio00, Cro03a, Cro03b]. **century-long** [Mar10a]. **CEO** [Moo03]. **Ceremony** [Yam19a]. **Certifies** [Yam18]. **Ceruzzi** [RCP⁺13]. **CGA** [Ano19q]. **Challenge** [Lee97]. **Challenges** [Del08]. **Chalmers** [Joh96]. **Champaign** [BB02]. **Champion** [Nik17a]. **Change** [BLH12, Dra18, Gio93, Sei97, Var94]. **Changed** [Hic10, Mis07c, Pat14]. **Changing** [Nor96, Rus13c, Vog17, Owe96]. **Chaotic** [Abb10]. **Chapter** [CK92a]. **Character** [Par16a]. **Characteristics** [Wie10]. **Charles** [Ano00b, Ano17a, CK92d, Eck07b, Ano99a, Asp07, Bro98, CK94, CK00, CK01a, CK01b, Dod00, GG92, Gri10, Hai11, Mis07a, Nor01, Sei95, Swa05a, Wal18, Wil00a, Wil98b]. **Chemists** [HW17]. **Cheque** [De 95].

Chicago [Kid01d]. **Chief** [And07b, Ano14h]. **Child** [Tha17]. **Children** [Ran14]. **Chile** [AG12, Med08]. **Chilean** [Med05]. **China** [Wu15]. **Chinese** [Ano92d, JB07]. **Chip** [Maz07]. **CHM** [Spi17]. **Choose** [Ano16j]. **Christine** [Ber03d]. **Chromium** [Hai01]. **Chromium-Plated** [Hai01]. **chronology** [Cor98, Sto99]. **Cincom** [Nie09]. **cipher** [CF92, Kid00k]. **Circuits** [Gre13]. **Circulation** [Ake04]. **Cis** [Hic19]. **Cis-tem** [Hic19]. **Claims** [Lee92e, Wei96b]. **Clamor** [Day16]. **Clarke** [Lee01d]. **Class** [Wil01a]. **Classification** [Tha17, Kid00j]. **Classrooms** [Ran14]. **Clearing** [De 95]. **Clement** [Rob93, Wil92b]. **Cleve** [Hai08]. **Clippinger** [Lee98a]. **Clones** [Sta15]. **Clothes** [Hic10]. **Cloud** [Ano14g]. **Club** [Pet17]. **Coast** [ERS03]. **Coaxial** [Roe17]. **Code** [Buc20, HPR14b, Par16a, Rus06]. **Codebreaker** [And07a]. **Codebreakers** [Wei94a]. **Codebreaking** [Hai18, Smi01a]. **Codes** [GM96, LH95]. **Codevelopment** [DF16]. **coevolution** [Bar03]. **Cogwheel** [Ano00b, Wil00a]. **Cohen** [Hai03c]. **Cold** [Don10, Tat10, Tin10]. **collaboration** [Est00]. **Collect** [Shu06]. **Collected** [Kid96b]. **Collecting** [GJ12]. **Collection** [Wil01a, SWH18]. **Collective** [Med05]. **collector** [Bro99a]. **Colorant** [Hem14a]. **Colossus** [Ano97e, Cop04a, HP18, Hai18, Lav06, Sal05, Wil18]. **Column** [Sei95]. **Com** [Fei11]. **Combining** [Ekl94]. **Comes** [Day16, Sub14]. **COMIC** [Hem14a]. **Coming** [Joh06]. **Command** [Asp99]. **Comments** [Ben93a, Ben93b, Ber92, Buc95a, Buc95b, BS96, Car92, Dum94, Ekl92, GM96, Gro92, Gro93, Hal92, Hym92, Jac93, Kis92b, Kis92a, Rob93, Ros92, Sha00, Tod93, Tro93, Tro95, WF92, Wil00b]. **Commercial** [Cor96, Dow09, Sta14, Cor97]. **Commercialization** [BH09]. **Committee** [Ano18m, Ano18n, CCK00, Gri01b]. **Commodore** [Rus13c]. **Common** [All18, McK95]. **Communication** [Bar07, Kid99e, Sid20]. **Communications** [Ekl94]. **Communities** [Ran14]. **Community** [DGG⁺08, Est00, Nor96]. **Companies** [Hai05b, Mor03]. **Company** [JMSV10, Joh02, Law10, RAG⁺04, Klu99]. **Comparative** [CK97]. **Comparison** [Bab97]. **Compatibility** [Sum07]. **Compatible** [Tak05, Lee92f]. **competence** [CMM95]. **Competing** [Abb10]. **competition** [CMM95]. **competitive** [Asp00]. **Compiler** [End13, McJ17a]. **Compiling** [Hol94, Wad12]. **Complete** [Ano00a, Smi01a]. **Complex** [Dow09, Low09, Nik17b]. **compromise** [Uss96]. **COMPSAC** [Ano20g, Ano18c]. **Computation** [Den15b, EF11, Ens13, Gro93, RG02, Sei00, Gri01b, Pol95, Wil94b]. **Computational** [HW17, SK11]. **Computer** [Alo04, And09, Ano92d, Ano97b, Ano00b, Ano09e, Ano15m, Ano16h, Ano16i, Ano16g, Ano16j, Ano17n, Ano17l, Ano17m, Ano17k, Ano18k, Ano18j, Ano19g, Ano19h, Ano19x, Ano19y, Ano19z, Ano19-27, Ano19-34, Ano19-28, Ano19-29, Ano19-30, Ano19-31, Ano19-32, Ano19-33, Ano19-35, Ano20e, Ano20l, Ano20o, Ano20m, Ano20n, Ash76, Asp01a, Bal76, Bar07, BLH12, Bau07, BS11, Ber14, Bow98b, Bro77, BH95, CK97, CKGS08, Cam03b, Car15, Car20, CK08, Cop11a, Cop11b, Cor01b, Cou95, Cro93, Cro18, Dav17, DMD18, Don10, Dra76a, DF16, ERS03, EF11, Ens01, Est00, Est02, FBK06, Fra13, Ges07a, Gil07, GH93, GG46, Gri03a, Gri11a, Gru05, Gup07, Hai10a, Hem14a, Hem16, Hem19, Hey08a, Hey08b, How99, Hum94, Hun12, Ich06, Jac16, Jes13]. **Computer** [JMSV10, JMV10, Jor09, Kid97a, Kid99e, Kli99, Kru94, Lap11, LS08, Lav93, Lee97, LS00, Lon08, Low09, Maz08, McG12, Med05, Mir17, Mis16, Mol14, Moo01, Nas75, Neu05, Nor77, NK98, Nyi11, ORB⁺92, OB08, Ole77, OARHC10, Par07, Pet05, Pet94, Pet17, PA96, Ral04, Ran94, Ray02, RR04, Roj04b, Rop07,

SS09, Sch08, Sie10, Sla15, Smi78, Spi08, Spr18a, Sta13, Sta15, Ste03, SW95, Sub12, Tak96, Tat13, Twe93, Van10b, Ver11, War15, Was13, Wei96b, Wie10, Wil01b, Wil03, WD98, Wyv98, Yos13a, Yos13b, Yos15a, Yos15b, Yos16a, ZR06, da 15a, de 59, Aga01, Ake00, Ano99b, Bro99a, Bro99b, Cer97, Cor96, Cro00b, DFM⁺99, Eck98, Est96, Fal98, Gas99, Gre95, Kat97, Kid98, Kid99c, Kid00c, Kid00e, KS97, Kit08b, Klu99, Lan00, Lee95f]. **computer** [MP97, Mar10b, Mar10a, Old95, Per99, Roj98, Sha00, Tom00b, Wil00a, Wil92b, Wri98, Yat97, de 74, Ano18l, Ano19-36, ERS03, Gio93, GG96, GR02, GH18b, Hus97, Kid99d, Min07a, Min07b, WH17, Woo95, Smi02, Ano20x]. **Computer-Aided** [Cro18, ORB⁺92]. **Computer-Assisted** [BH95]. **Computer-Based** [Ste03]. **Computer-Generated** [Fra13]. **Computerization** [Lap11, Paj08, Joh99, Nor98]. **Computerized** [Dor94, SRG02]. **Computerizing** [Sey18b, VHSCC15]. **Computers** [Asp13, Ayl10a, Ber06a, Cas06, Cly93, Cor08a, Ens07, Fel11, Gal11, Got14, GS01, GS04, GS09, Irv01, KKW09, Lon04, Moo03, Neu04, Nov16, ORB⁺92, Pro99, Roj04b, Smi04, Sto99, Swe05, TZ99, Tin11, Tom96, VN11, Van95, Was13, Wes17, Yam19b, Coh98, Cor98, DMPS99, GS98, Gri96, Hal00, Har99, Joh96, Kid96g, Puc96, Sei00, WD98, GS03, OB08]. **Computing** [Abb03, Ake04, Alb10, Alo07, Alp15, AG12, And07a, And07b, Asp93a, AW94, Asp07, Ben93a, Bru17, Bul15, CK92b, CK01b, CK02b, Cam13, CD14, Cer01, Cer03, Cer14, CVRM15, Cho16, Cla10, Coh15, Col14, CH15, Cor04, Cor06a, Cro92, Cro99, Cro03a, Cro03b, CG94, Dav17, Dia12, DAGVR⁺15, DGG⁺08, Dra76b, DMS18, Dur10, Ekl94, Ens04b, Ens18a, Ens18b, FH14, FHD17, Ger04, GB13, Gra02b, Hai10a, Hal18, HC20, Hen05, HIIT05, HII⁺05, Hic10, Hic13, Jes07, JB07, Jon19, Kid96c, Kid19b, KBSW11, Lap09, LBA00, Lew16, Lew17, Lun18, Mac03, Med05, MPDT12, Mis07a, Mis07b, Mis07c, Mul03, Nan09, Nel17, Nik17a, Nik17b, Nov11, Par07, PM12, PN16, Raj15, Ran14, RAG⁺04, Rus13a, Rus13c, Sch06a, Sch06b, Sjö11, Sla08, Sma93]. **Computing** [SW96, Smi03, Smi07, Spr16, Sum07, Tin10, Tri01, TMS14, Vog17, WN05, WN06, Wei08, Yoo05, da 15b, Asp00, Bar97, Bar03, BH99, CK92d, Cor97, FAP⁺03, Goy96, Gri98, Gri00a, Gur96, ICKDL99, Lee96, MH11, Nor96, Owe96, Sze99, Uss96, Veh99, Win96, Ano03a, Ano06, Ano07, Ano13b, ORB⁺92, RAG⁺04, RCP⁺13, Ano19c, Ano19d, Ano19e, Ano19f, Ano19i, Ano19m, Ano19n, Ano20b, Ano20a, Ano20c, Ano20d]. **Comrie** [Cro99]. **COMTRAC** [Has16]. **Concept** [BK01, Gri12, Hai02, HPR14c, Sjö11]. **Conception** [McK11, Pat09]. **Concepts** [Roy11, Bar97]. **Conceptualization** [Geo08]. **Conceptualizations** [Pet17]. **concern** [Kat97]. **Concise** [RCP⁺13]. **Conclusion** [Gra02b]. **conclusions** [Kis98]. **Condition** [Ano97f]. **Conference** [Ano02e, Ano20f, Kli11, ORB⁺92]. **Conferences** [Rei08]. **Conferencing** [Sub12]. **Configuring** [Sou19]. **Congress** [Ano19-37]. **Connect** [Ano19r]. **Connected** [Ano19-47, Ano15q]. **Consensus** [Rus06]. **Consent** [Jon19]. **consequences** [Kid00j, Nor98]. **Consolidation** [AG12, Ber06b]. **constituted** [Asp97]. **Construction** [Kid97b, Swa05a, Fal98]. **Constructions** [Ada96]. **Consumer** [Spr16]. **Consumer-Led** [Spr16]. **Consumption** [Yoo05]. **contemporary** [Bar97]. **content** [Kat97]. **Contents** [Ano13i, Ano14i, Ano15r, Ano15s, Ano15t, Ano15u, Ano16n, Ano16o, Ano16p, Ano17-27, Ano17-28, Ano17-29, Ano17-30, Ano18z, Ano18w, Ano18x, Ano18y, Ano19-49, Ano19-50, Ano19-51, Ano19-52, Ano20v, Ano20w, Ano14j]. **Contested**

[Dia16]. **Context** [Jor09, Mal02, Roe15, Var94, Gri00a]. **Contexts** [Dow04]. **Contextualizing** [Hai10a]. **Contract** [Lin16]. **Contributions** [Asp01a, BBC⁺09a, BBC⁺09b, ERS03, End04, Cer03, Gur96]. **Contributor** [Ber09]. **Control** [Ayl10a, Bar05, Ger04, Has16, RAG⁺04, Sjö11, SW95, Wor95, Asp99, Hal00, Per99]. **controlled** [Kis95]. **Controversy** [Par16a, Tin11, Joh99]. **Convention** [SWH18]. **Conversational** [Wie10]. **Coordinating** [Mis99]. **Copies** [Tin11]. **Coping** [ES05, Mor19]. **Copper** [MPDT12]. **Copy** [O'D09]. **Corbató** [Ano12b, Spi15a, Spi16a]. **Core** [Ano15v, Cou95]. **Cores** [Car92]. **Corner** [Lew14]. **Corporation** [Wor95, Bru09, Cou95, ERS03, Lee95f, Pag08, Row12]. **corporations** [Cor96]. **Correction** [Ros92, Tro95]. **Cortada** [RCP⁺13]. **Costa** [VHSCC15]. **costs** [Gre95]. **could** [Kis99b]. **Council** [Lap11, Mar02]. **Counters** [Roe17]. **Countess** [Lee00a]. **Couple** [Asp01a]. **Courses** [AKM08]. **Cover** [Ano13d, Ano15h, Ano15i, Ano15j, Ano15k, Ano16c, Ano16d, Ano16e, Ano17g, Ano17h, Ano17i, Ano17j, Ano18i, Ano18f, Ano18g, Ano18h, Ano19t, Ano19u, Ano19v, Ano19w, Ano20i, Ano20j, Ano14a, Ano14b]. **Covered** [Ano20o]. **CPL** [Har13]. **CPU** [Maz07]. **Cracking** [Hod19]. **Craft** [Tha17]. **Cray** [Ano17y]. **Craze** [HVB04]. **created** [Rus16a, RAG⁺04]. **Creating** [Cor15c, Joh02, Moo03, PA96, Kid00a]. **Creation** [FF03, Gra07, Lei17, Nof10, Too10]. **Creative** [Sou19]. **Creativity** [Ber05]. **Creator** [Hai08]. **Crews** [McJ20]. **Crime** [Par07]. **Crisis** [Pay14]. **Crispin** [GH18b]. **Critical** [Cro18, Geo08]. **Critique** [Rus12b]. **Crossing** [Cer97]. **Crossroads** [Mir17]. **Crown** [RAG⁺04]. **Cruelty** [Pla16]. **Crunching** [CK07b]. **cryptanalysis** [CF92]. **Crypto** [Doy01]. **Cryptography** [DF16, Fid18]. **Cryptologia** [Kid99e]. **Cryptonomicon** [Kid00b]. **Crystal** [Kid99a]. **Crystallography** [SK11]. **CS** [Ano17a, Ano19a, Ano14k, Ano18e, Ano18d, Ano19s]. **CTSS** [Lee92f, RL92, Van12]. **Culture** [Alb14, Asp15, Ber05, MK14]. **Cunningham** [Ano11f]. **Current** [GS07, Goy96]. **Curriculum** [Gup07, ICKDL99]. **Curtain** [Cam03a, Lew16, Gaw19]. **Cybernetic** [Aum11]. **Cybernetics** [Kli11, Ger04, RAG⁺04]. **Cybersecurity** [Ano14f, Ano15n, Ano15o, DF16]. **Cyberspace** [Cer03, Fid17, Kru07]. **Cyberwar** [Hun12]. **Cycle** [Kne17]. **Czechoslovakia** [Dur14]. **Czechoslovakian** [Dur10, Kis99a]. **D** [Ano17l, Ash76, Kis95]. **Dahlgren** [Lee00c]. **Dam** [Mac98]. **Dame** [Spi18]. **Dana** [Nik17b]. **Dark** [Par07]. **DARPA** [Nor96]. **Dartmouth** [Kli11]. **Darwin** [Kid99b]. **Data** [Ack15, Ano16m, Ano20f, Bac09, Hai09, HVB04, HP96, Kid96d, Kos07, PB06, WP94, Wor95, Bir00, Kis99a, Ano19k, Ano19l]. **Data-Flow** [WP94]. **Database** [BH09, GB09, Gra12, Gra13, Gri12, Hai11, Kru09, WC12]. **Datacom** [Ste09]. **Datacom/DB** [Ste09]. **Datamation** [Cer02, Hea04]. **DATAR** [Var94]. **Date** [Gil07]. **David** [Kid97a, RAG⁺04, Smi99a]. **Dawn** [RC15, Smi16a]. **day** [Neb98, Alo04, Hus97]. **Days** [Ber05, Bull15, Cor15b, Hea04, Kee04, Kee05, Gri94]. **DB** [Ste09]. **DB2** [Boh13, HS13]. **DBMS** [Bac09]. **De-Programming** [Hic13]. **Dealer** [Was13]. **Death** [Lip15]. **Debate** [Ben93a, Ben93b, Ber92, Buc95a, Buc95b, BS96, Car92, Dum94, Ekl92, GM96, Gro92, Gro93, Hal92, Hym92, Jac93, Kis92b, Kis92a, Rob93, Ros92, Tod93, Tro93, Tro95, WF92]. **Debated** [Day16]. **Debates**

[Lon08, Sha00, Wil00b]. **Deborah** [Spi14]. **Debugging** [CK92a]. **decline** [CCK00]. **Decode** [EF11]. **Decoding** [Mar10b, Mar10a]. **Defining** [Hey08a, Hey08b]. **DEHOMAG** [Kis95]. **Delay** [Ben93b, Hal92, Kis92a, WF92]. **Demise** [Gra07]. **Democracy** [FHD17, da 15a]. **Democratic** [Cor12]. **Demographics** [Cor01b]. **Demos** [Was13]. **Denning** [Wal12]. **department** [Lee95f, Gio93, LS00, Min07a]. **Departments** [Kid99e, MS09]. **dependencies** [DV18]. **Derek** [Bal76, Bro77, Dra76a, Mor84, Nas75, Ole77, Smi78, Nor77]. **Desch** [Jac93, LBA00]. **Description** [Lav06]. **Deserve** [Ano15l]. **Design** [And09, DMD18, DeN15a, Ens18a, Fre07, Hal18, Hin18, Lin16, Ste03, HTAY97, Roh99, ORB⁺92]. **Designer** [Hai18]. **Desk** [Ano04c, Ber01c, Ber02a, Ber02b, Ber02c, Ber03c, Ber03e, Con19, Con20a, Con20b, Dia19a, Dia19b, Ens15a, Ens15b, Ens16a, Ens16b, Ens17a, Ens17b, Ens17d, Ens17c, Gri04b, Gri04c, Gri04d, Gri05a, Gri05b, Gri05c, Gri05d, Gri06a, Gri06b, Gri06c, Gri06d, Gri07b, Gri07c, Gri07d, Hei12a, Hei12b, Hei13a, Hei13b, Hei13c, Hei13d, Hei14a, Hei14b, Hie12a, Hie12b, WE14, Yos08a, Yos08b, Yos08c, Yos08d, Yos09a, Yos09b, Yos09c, Yos09d, Yos10a, Yos10b, Yos10c, Yos10d, Yos11a, Yos11b, Yos11c, Yos11d, Mal02]. **Desktop** [BBW18, BBW19, GH18a, GH19, GH20, Spr18a, WH17]. **Desolla** [Mor84]. **Details** [Roe16b]. **Detection** [ES05, Yos16b]. **Determination** [She12]. **Determine** [Smi99a]. **Developing** [Fit03b, McK95, Min07a, OARHC10, Sac07, Van10b, Bar97]. **Development** [BLR11, Boh13, BH95, Con15, ERS03, EM94, FM93, Gan04b, Has16, Hum94, JMV10, Jon19, Jor09, Kis05, Kne17, LR12, Lon08, Maz07, McD10a, MB09, Par15, Par08, Sat11, Sie10, Spr16, CMM95, DFM⁺99, O'N95]. **Developments** [End13, Gup07, Nee92, Ano99b, Fal98]. **Device** [Dra76b]. **Devices** [Bru17, Kid19b]. **Dial** [HT12]. **Dialectic** [Gal11]. **Diamond** [Lat13]. **Diana** [Cer03]. **Did** [Cor04, FAP⁺03]. **Difference** [BS96, Sha97, Rob05b, Roe09, Swa05a]. **differential** [Hai03a]. **Diffusion** [RCP⁺13]. **Digital** [Ano13c, Bor08, Bul15, Coh15, Col14, ES05, Fra18, Irv01, McJ20, Mor03, Mul03, Roe17, RCP⁺13, San11, Smi01b, Smi16a, Sub13, TMS14, Bro99b, BH99, Cor96, Eck98, Gri96, Hal00, Har99, Per99, Rus16a, Tym96]. **Digitization** [Tur11]. **Digitizing** [Rus13a]. **Dijkstra** [Pay14]. **Direct** [Bac09]. **Direct-Access** [Bac09]. **directed** [RCP⁺13]. **Directions** [Mis07b]. **Director** [PM12, Sei95]. **Dirty** [Pet94]. **Disability** [Alp15, Sid20]. **Discipline** [McD10a]. **Disciplines** [Del08]. **Disclaimer** [GM96]. **Discourse** [Mis16]. **discover** [Mar10a]. **Discoveries** [Neb98]. **Discovery** [Bru17, Win96]. **Discussion** [Wil18]. **Discussions** [Kid15]. **Dispensing** [BLR11]. **Displacement** [San13]. **Display** [MB09]. **Dissent** [Lew17]. **Dissertations** [Fra13]. **Distinctiveness** [Aum11]. **Distinguished** [Ano15a]. **Distributed** [RAG⁺04, Sch06a]. **Distribution** [Sta14]. **Diversity** [Nik17a]. **divide** [Cer97]. **DIY** [Tin11]. **DLL** [DV18]. **Do** [Wes17]. **Doctor** [Nov16]. **Doctoral** [Fra13]. **Documentation** [Wil02, Asp99]. **Documenting** [Gal11]. **Documents** [Bru17]. **Doddeson** [Kid99a]. **Doing** [Cor15b]. **Domain** [Fei11, BV19]. **Domains** [Asp15]. **Domestic** [Ver11]. **Donald** [Smi11]. **Donates** [ORB⁺92]. **doomed** [Lee96]. **Door** [Mul03]. **Dorothy** [Ano00b, Cro00a]. **Dot** [Fei11]. **Douglas** [Bar97, Bar03]. **Dov** [Kat18]. **down** [Del08]. **DPMA** [ORB⁺92]. **Draft** [vN93]. **drawing** [RG02]. **Dream** [Kid97a, Spi03]. **dreams** [Tom00b]. **Driven** [Hen10, Roe08, Lan00]. **Driving** [Jor09]. **DRTE** [Pet94]. **DS**

[HN13]. **Dummer** [Gre13]. **Duncan** [Smi99a]. **During** [Ano92d, Gaw19, DMD18]. **Dutch** [De 95, Van95, Ver11, vdE94]. **DVDs** [O'D09]. **Dwarfs** [Lee97]. **Dynamics** [Hei11]. **Dynasty** [Ano92d].

Earliest [Ber05, Neb98, Har99]. **Early** [AL12, AG12, AC16, Boh13, BL12, Bru17, Bul15, CK92a, Cha12, Chi14, Cow94, End04, End13, Fal98, Fra13, Fra18, Fre07, Gal11, Ges07a, Hai10a, Hem14b, Hem16, Hen10, HIIT05, HP96, Irv01, Jes13, Joh96, Jon03, Jor09, Kee04, Kee05, Kid96d, Kid15, Kid19b, Kir99, Kos07, MA96, Med08, Neu04, Nov11, OB08, OARHC10, Paj08, Pee09, Phi12, RP12, Roe08, Run08, SB98, Sho01, Smi07, Smi12, Spe98, Sta14, VN11, WC12, Yat97, Yos15b, Yos16b, Asp00, CK92c, CK98, Cos96, DMPS99, Gri94, Gur96, Puc96, RG02, Van95]. **East** [Cho16]. **Easter** [Alo04]. **Eastern** [Hen05, HIIT05, HII+05]. **Ebony** [Nel17]. **EC** [Van10b]. **Eckert** [Ano19a, Eck96, Lee95c]. **Ecologies** [Ake04]. **Economic** [CKGS08, Cor97, Day16, Jac16, Kid00f]. **Economy** [Smi16b]. **Ed** [Kid97a, RCP+13]. **Edge** [DF16, Tri01, Tym99, Ano19c, Ano19d, Ano19e, Ano20b, Ano20a]. **Editing** [Tes18]. **Edition** [Too10]. **Editions** [Ral04]. **Editor** [Ano04c, EMW02, Gri02, Gri04e, Yos08c, Yos09c, Alb14, Gra12, Abb03, Ano09e, Ano14h, Ber01c, Ber02a, Ber02b, Ber02c, Ber03c, Ber03e, Bös08, Con19, Con20a, Con20b, Dia19a, Dia19b, Ens15a, Ens15b, Ens16a, Ens16b, Ens17a, Ens17b, Ens17d, Ens17c, Gra13, Gra02b, Gri04b, Gri04c, Gri04d, Gri05a, Gri05b, Gri05c, Gri05d, Gri06a, Gri06b, Gri06c, Gri06d, Gri07b, Gri07c, Gri07d, Hei12a, Hei12b, Hei13a, Hei13b, Hei13c, Hei13d, Hei14a, Hei14b, Hei12a, Hei12b, Nyc96, Sei96, WE14, Yos08a, Yos08b, Yos08d, Yos09a, Yos09b, Yos09d, Yos10a, Yos10b, Yos10c, Yos10d,

Yos11a, Yos11b, Yos11c, Yos11d]. **Editorial** [Ano09c, Ano09d, Ano15e, Ano15f, Buc95b, Ano15d]. **Editors** [Gaw19, CG06, CG07, GB09, GR02, Mis07b, Yos15a, da 15b]. **Edmund** [Lon04, Yat97]. **Eds** [Gui99, RAG+04]. **EDSAC** [CK92c, CK98, Whe92b, Whe92a, Wil92a, Wil97a]. **Education** [Ano16a, Ano17d, Ano20h, AKM08, Cor15a, Jac16, Pro99]. **Educational** [Feu06, Tat13]. **Educator** [Nik17a]. **EDVAC** [Rei97, Wil93b, vN93]. **Edward** [Gri13, Gui99, Out03]. **Edwards** [Cro03a]. **Edwin** [Asp93a]. **Efficiency** [KBSW11]. **Effort** [Dur14]. **Efforts** [HIIT05]. **EIC** [Wil96b]. **Eight** [Ral04]. **El'brus** [WD98]. **Electric** [Coh15, Lee95f, LS00, Lee97, Old95]. **Electrical** [KBSW11, Bab97, Tym96]. **Electronic** [Ano97d, Hai01, Kid99e, MT06, Mir17, Neb98, Sma93, Sta14, Van12, ZR06, Bir00, Lee00c, Sha00, GG46, GG96]. **Electronics** [CK08, Mil11, Neb98, SL12, Pee09]. **Elisabeth** [Lee01d]. **Eloge** [Wei92e, Wei93d]. **elusive** [Kid98]. **Elysium** [RCP+13]. **Email** [Par08, Spi16b, Spi16c]. **Embedded** [MK14]. **Embodied** [Con15, Ens09]. **Embracing** [Dur14]. **Emergence** [Cro92, Ano02e, Cer97, Gri96]. **Encounters** [DMD18]. **Encyclopedia** [RAG+04, Roj04b, Ral04]. **End** [Fid17]. **Endless** [Ano00b, Rio00]. **energy** [Est00]. **Engelbart** [Bar97, Bar03, OK07]. **Engine** [Bro00, BS96, Swa05a, Wil00c, Bro98, Rob05b, Roe09]. **Engineer** [Ano00b, Pag08, Rio00, Wil92b]. **Engineering** [Ano18m, Ano18n, BLH12, Ber05, HPR14b, Jes13, Lin16, Mah04, McD10a, Sat11, Sch08, Wir08, Ari00, Bab97, DFM+99, Fal98, Mey99, Sha97, Win96]. **Engines** [Kid99c, CK01a]. **England** [Cro03a, Cro03b, Dav17]. **ENIAC** [GG46, Ake00, Ano00b, Cor06a, Fri94, Fri96, GG96, Gri96, GH18b, HPR14a, HPR14b,

MA96, McT98, Neu06, Pol97, Rop07, She12, Wil06, ZR06, BF96]. **Enigma** [CH15, CF92, Kid96e]. **Enough** [All19]. **entered** [Asp00]. **enters** [Old95]. **enthusiasm** [Bow96c]. **entrepreneurs** [Bro99a]. **entry** [Asp00]. **Environment** [Ens13, Hea05]. **Epic** [Smi99a]. **Episodes** [Roe17]. **Era** [CH15, Dar12, FBK06, Wor95, Gri98]. **ERMA** [FM93, Hea01a, MF93]. **ERMETH** [Neu05]. **Erwin** [Asp01a, Asp01b, Yos13b]. **Essays** [Sei97]. **Establishing** [Mol06]. **Establishment** [Gre13]. **Estrin** [Spi14]. **Eternal** [Fid17]. **Ethical** [Ens07]. **Eulogy** [Dod00, CK00]. **Europe** [RCP⁺13, End13, Nof10]. **European** [Alb10, ORB⁺92, Paj08, Sch08]. **Evaluation** [GK02]. **Events** [Abb10, Ano01c, Ano02e, Ano02c, Ano02d, Ano04b, Asp01c, Bau07, Cam04, CE02, CE03a, CE03b, CE03c, CEG⁺03, CRM⁺04, FC00a, FC00b, FC01a, FC01b, Gri99, Gri04a, Kit05a, Kit05b, Kit05c, Kit05d, Kit06a, Kit06b, Kit06c, Kit06d, Kit07, KSFY07, KYG⁺07, KFS⁺07, KMA⁺08, KHS⁺08, Kit08a, Kit09a, Kit09b, Kit09c, Kit09d, Kit10a, Kit10b, Kit10c, Kit10d, Kit11a, Kit11b, Kit11c, Kit11d, Kit12c, Kit12a, Kit12b, Kit13a, Kit13b, Kit13c, Kit13d, Kit14b, Kit14c, Kit14a, Kit14d, Kit15a, Kit15b, Kit15c, Kit15d, Kit16a, Kit16b, Kit16c, Kit16d, WS17, YS12, Cor98, Sto99]. **Ever'** [Cam13]. **Everyday** [Asp13]. **Everyone** [CG06, CG07]. **Evidence** [Nov11, Sha00]. **Evidence-Based** [Nov11]. **Evolution** [BBW19, CK97, CK07b, Cor07, Gra02b, GK02, Lei08, Nan09, War15, Kid99b, Kid99c, Pos98]. **Ewing** [Smi99a]. **examples** [Joh96]. **Excursion** [Ges07a]. **execution** [CMM95]. **Exercise** [Bro10]. **Exhibition** [Sza18, Yam19b]. **Expansion** [AG12, Cla10, Sch08]. **Experience** [Fra13, De 95, HTAY97]. **Experiences** [Mac03, Mil06, Wyv98, Kir99, Mey99]. **Experimental** [Dav17]. **Experiments** [Hem16]. **Expert** [Gre05, Yos16b]. **Expertise** [Sou19]. **Experts** [Ano15v, Lew16]. **Exploitation** [Tha17]. **exploration** [Mac95]. **Exploring** [MA96, Sei00]. **Explosion** [Gra13]. **External** [Wie10]. **Extra** [Ano02e]. **Eyes** [Cor06b, Lew16]. **Eyewitness** [McK11]. **F** [Est02, Lee98a, Van09]. **Faces** [Gru05]. **Facilities** [AW94]. **Facit** [Pet05, San13]. **FACT** [Hea03]. **Factory** [Lin16, vdE94]. **Facts** [Bru17]. **Failed** [Har13]. **Failing** [Cer14]. **Failure** [CO12, Cro18, Ich06, Mai16, Neu09, Ste06, DV18]. **Fairchild** [Law10, LR12, Maz08]. **Fake** [HC20]. **Fall** [Dur10, Gaw19, Gri01b, Rub06, Tak05, Lee95f]. **Familiar** [Roy11]. **Family** [Sch17, KS97, Lee00a, WD98]. **Fantasy** [Cro18]. **Far** [Mar12, Hen05, HIIT05, HII⁺05]. **farm** [Hal00]. **FastLane** [GH18b]. **Fate** [Wil93b]. **Father** [Sub12]. **Featured** [Ano20x]. **features** [HTAY97]. **federal** [Gre95]. **Federation** [Tat10]. **Feedback** [Ger04, RAG⁺04]. **Feigenbaum** [Gri13]. **Fellowship** [Yos01]. **Female** [Cam03b]. **Fermat** [Cor08a]. **Fernando** [Ano12b, Spi15a, Spi16a]. **Fernbach** [Ano17y]. **Ferranti** [Twe93]. **Ferrite** [Car92]. **Ferut** [Hum94, Wil94b]. **Feynman** [Sei00]. **Field** [McG12, SW95, Mey99]. **Fields** [Ens01]. **Fifties** [DMD18]. **fiftieth** [Win96]. **Figure** [Wu15]. **film** [Rus15c]. **Final** [Ber03e, Ekl92]. **Finding** [Mah04]. **findings** [Kis98]. **Finland** [Paj08, SS09, SR14, Veh99]. **Finn** [Ber03d]. **Finnish** [VN11]. **fire** [Kid99a, Per99]. **iring** [Pol97]. **Firms** [Hai05b]. **First** [Ano00b, Bac09, Car20, Dav17, Doy01, Dra76b, DA14, EF11, Gal04, Gil07, GS04, HN13, Ich06, Kid99e, Neu05, Roe09, WN05, WN06, Wil18, ZR06, vN93, Ake00, Bis98, Bro99b, FAP⁺03, Gil97, Joh99, Kis95, Lan00, LBA00, Mar10b,

Rei97, Wei00, Wil00a, Wil92b, Too10]. **Fit** [Ano16j, Ano17w, Ano17x, Ano17v, Ano17b, Ano17c]. **FITS** [SB20]. **Five** [Jon04]. **Fixed** [Est02]. **Fixed-Plus-Variable** [Est02]. **Fixes** [Hod19]. **flaws** [Ano16f]. **Flood** [RCP⁺13]. **Flow** [WP94]. **Flowcharting** [Kid19a]. **Flowers** [Hai18]. **Flows** [Fra18]. **Floyd** [Hai04c]. **Flyable** [Bro99b]. **Focus** [Ano15g, Ano16b, Ano17f, Ano17e]. **Follow** [Wes17]. **Followed** [Wes17]. **Following** [Bor08]. **Font** [Big20a, Big20b]. **fonts** [Wri98]. **Footsteps** [Lav06]. **Forbe** [Lee99b]. **Forbes** [Kid99e]. **Forces** [Jor09]. **Ford** [Bur02, Cly93]. **Forensic** [Tha17]. **forget** [Lee96]. **Forgotten** [CH15]. **Fork** [NL16]. **Form** [McD10a]. **formal** [MP97]. **Formative** [Gra12]. **former** [Ber03f]. **Forming** [Min07b]. **Formula** [Ram97]. **Fortran** [Bac98, McJ17a]. **Forward** [Cor07]. **Fostering** [Uss96]. **Foundation** [GH18a, Roj04a, Bur02, Nor01]. **Founders** [Joh02]. **Founding** [Ber05, ERS03, JB07, Pag08, WG19]. **Four** [Ral04, Rus13b]. **Fourth** [Raw14, AG19]. **Fowler** [GHV05]. **FP** [Var94]. **FP-6000** [Var94]. **Fragments** [Roe09]. **Frame** [Sho01, Mur19]. **FrameMaker** [Mur19]. **France** [BBC⁺09a, BBC⁺09b, PM12, MK14]. **Frank** [Hai04b]. **fraternity** [Kid00a]. **Frederick** [RAG⁺04]. **Friedman** [Buc95b]. **Frohman** [Kat18]. **Front** [Ano13d, Ano14a, Ano14b, Ano15h, Ano15i, Ano15j, Ano15k, Ano16c, Ano16d, Ano16e, Ano17g, Ano17h, Ano17i, Ano17j, Ano18i, Ano18f, Ano18g, Ano18h, Ano19t, Ano19u, Ano19v, Ano19w, Ano20i, Ano20j]. **Frontier** [Ano97d, Ano00b, Sou19, Bir00, Rio00]. **Fuhgedaboudit** [Ges09b]. **Full** [HIIT05]. **Fund** [Wei96d]. **Furber** [Gri14]. **further** [LS00]. **Future** [Hai06, Lee92h, Pay14, Tym99, Rus13c]. **Fuze** [Lat13].

G [Kid97a]. **Galileo** [Dra76b]. **Galler** [Ake08, Ano01b]. **Game** [Jor09, Nyi11]. **Games** [Ano09e, Ver11]. **Gaming** [SS09]. **Ganzhorn** [Roj04a]. **Gaude** [BBC⁺09a, BBC⁺09b]. **GDR** [Cor12, Don10]. **Gears** [Smi78, de 74, Nor77, Ash76, Bal76, Bro77, Dra76a, Nas75, Ole77]. **geeks** [Rus16a]. **Gehani** [RAG⁺04]. **Gender** [Abb03, Rus13c, Sch17, Ste03, Veh99, Ada96]. **General** [Ano19b, Ano19q, Ano19-38, Ano19-39, Ano19-44, Ano19-48, BG93a, ERS03, Sma93, Kru94, Lee95f, Lee97, LS00, Old95]. **General-Purpose** [ERS03, Sma93]. **Generated** [Fra13]. **Generation** [GS01, GS04, GS09, Raw14, Yos01]. **Generations** [Swa95c]. **Genesis** [Hol94, RAG⁺04, Run08]. **Genie** [Kid99e]. **genius** [Sei03]. **geniuses** [Rus16a]. **Geologist** [Smi11]. **Gerard** [Wei96f]. **German** [Car92, Cor12, CF92, Lei08, Sie10]. **Germany** [Aum11, LM94, Sch17]. **Gertie** [Pet94]. **Gertrude** [Gri97]. **Get** [Ano15l, FAP⁺03]. **Gets** [Bro10, Joh99]. **Getting** [Hea02]. **Giant** [AC16, CVRM15, Sat11]. **Giants** [Mor19]. **Giving** [Sid20]. **Glaser** [Out03]. **glass** [Goy96]. **Global** [Ano97f, Cor04, Ens13, Ens18b, Shi19, Kid99b]. **globalization** [Kid00f]. **Glory** [Hea04]. **Go** [Cor04, Ano14k, Gas99]. **goals** [Ano17b, Ano17c]. **going** [Owe96]. **Goldstein** [Hai04b]. **Gopher** [Fra04]. **Gordon** [Spi15b]. **Got** [Hai09, Ano16f]. **Gottschalk** [Dia16]. **Governance** [Par16b]. **government** [Gre95, Uss96, Hun12, War15]. **Governments** [Kid19b]. **Graduate** [Mil06]. **Graphics** [Ano19h, BBB⁺98, CHGW17, Kru94, LS08, Mol14, Sho01, Spr18a, Wv98, Fal98, Ano19g]. **Great** [Bro10, Gri03b, SR14]. **Greatest** [Kid99e, Lee99b]. **Greece** [DMS18, Ges11a]. **Greek** [de 59]. **Greeks**

[Ash76, Bal76, Dra76a, Nas75, Nor77, Ole77, Smi78, de 74, Bro77]. **Grips** [Joh06]. **Grosch** [Wei96b]. **Ground** [Hea02]. **Grounding** [TMS14]. **Group** [Hea05, Rus16a]. **Groups** [SR14]. **Growing** [WG19]. **Growth** [HS13]. **Grupo** [BLH12]. **Guatelli** [HC20]. **Guest** [Alb14, Abb03, Ano09e, Bös08, CG06, CG07, GB09, Gra12, Gra13, Gra02b, GR02, Mis07b, Nyc96, Sei96, Yos15a, da 15b]. **Guichard** [Nik17a]. **Guidance** [Kid99d]. **Guide** [Ano97b].

H [Cer03, Wal11]. **Haanstra** [Lee01c]. **hackers** [Rus16a]. **Hacking** [Hic19]. **Haeff** [CH15, CHGW17]. **Haigh** [GH18b, RCP+13]. **HAL** [Kid97a]. **Half** [Ano19b, Ano19q, Ano19-39, Mac03, MPDT12]. **Halloween** [Fit02b]. **Hammer** [Ber06c]. **Hamming** [Lee98b]. **Hands** [Abb01]. **Hannibal** [Cly93]. **Hansen** [LH03]. **Happened** [Deu13]. **Happenings** [Bau07, Bow94a, Bow94b, Bow95, Bow96a, Bow96b, ORB+92, O'N92a, O'N92b, O'N93a, O'N93b, O'N93c, O'N94, Spi17, Wei92a]. **Hard** [Mah08]. **hardcover** [Ber03d]. **Harder** [Asp93a]. **Hardware** [Ano20p, GS04]. **Hardware-Oriented** [Ano20p]. **Harlan** [Ano17]. **Harley** [SRG02]. **Harold** [Hai18]. **Harry** [Pol03]. **Hartley** [ORB+92]. **Harvard** [RCP+13, Kos07]. **Hashing** [Ram97]. **Hasselblad** [San11]. **Health** [Dav17]. **Hearing** [Mil11]. **Heavens** [Cro03b, Mar10b, Mar10a]. **Heaviside** [Bab97]. **Hedgehog** [RAG+04]. **Heights** [Ano15v]. **Heinrich** [Van10a]. **Held** [Yam19b]. **Helen** [Cam03b]. **Hell** [DV18]. **Helmut** [Wei98]. **Helped** [Dra18]. **her** [Lee00a]. **Herbert** [Hey08a, Hey08b, Van09]. **Here** [Ano14c, Rus13c]. **Heritage** [PB93, Yam18]. **Hermeneutics** [Ack15]. **Hiding** [GB13, Lap09]. **High** [Ges09a, De 95, Gil97, WD98, Sou19]. **high-level** [Gil97]. **high-speed** [WD98]. **Higinbotham** [Nyi11]. **Hiltz** [Sub13]. **Hinds** [RAG+04]. **Hiroshi** [CK08]. **Historian** [Ber09, Cer01, Smi11]. **Historians** [Cer14, Cor16, Ens04a]. **Historical** [Gri11a, Hol94, Kat97, KBSW11, Mal02, MA96, Roe15, Smi01b, Swa05b, De 95, Goy96, Mac95, Sha97]. **Historicizing** [Wu15]. **Histories** [MH11, PN16, RCP+13]. **Historiographic** [Geo08]. **Historiography** [FC16]. **History** [Abb03, Ake04, Alb10, Alp15, AG12, Ano97b, Ano99b, Ano03a, Ano06, Ano07, Ano09e, Ano19f, Ano20c, Ano20d, AKM08, Asp01a, Asp07, AC16, Bös08, BL12, Bro18, Bru17, BK01, CK92a, CK01b, CK07a, CKGS08, CK14, Cer02, Cer03, Cer14, CVRM15, Cha12, Cho16, Con15, Cop11a, Cop11b, CHGW17, Cor02, Cor15b, Cor15c, Cor16, Cor18, Cow94, Dia12, DAGVR+15, Dow09, DMS18, Ens04b, Ens09, Ens18a, Ens18b, Eps13, Fev13, FM93, Fra18, Ges07a, GB13, GB09, GJ12, Gri03b, Gri07a, Gro93, Gui99, HS13, Has16, HC20, Hen05, HIIT05, HII+05, Hic13, HP96, ICKDL99, Jes07, Jes13, Kat18, Kid96d, Kru09, Lap09, LS08, Lev05, Low09, Lun18, Mah04, Mah08, McD10a, McG12, MF93, Med05, Mil11, Mis07a, Mis07b, Mit08, NM09]. **History** [Nor01, NL16, ORB+92, Phi12, Pla16, Pol95, Raj15, Ral04, Ran14, Raw14, Ray02, Rob19, Roe17, RAG+04, Row12, Sch06b, Shu06, Sjö11, Sla08, SW96, Smi78, Spi18, Ste09, Tak96, Tri01, TMS14, Tym99, WH17, Wei08, WP94, Wil98a, WT03, Win03, Wir08, Wri98, Yoo05, Yos01, Yos15b, Yos16b, da 15b, Ada96, Ano02e, Bac98, CK92d, Cor98, DFM+99, GC00, Kid99d, Kid00h, KS97, Lee96, Smi00, SD98, Sze99, Tym96, Zwe99, Roj04b, RCP+13]. **historyofscience.com** [Cer03]. **Hobby** [Sta15]. **Hobbyists** [SS09]. **Hodgkin** [Ano00b, Cro00a]. **Hoelzer** [Wei98]. **Holiday** [Ges06a]. **Hollerith** [Kis92b, Kis05]. **Home** [Was13].

Homebrew [Pet17]. **Honeywell** [KS97]. **Hong** [Smi16b]. **Honor** [Bow98a]. **Honoring** [Asp01a]. **Hook** [Cer03]. **hopes** [De 95]. **Hopkins** [GH18b, Mor03, RAG⁺04]. **Hopper** [Pay14]. **Host** [Fei11, Ano20k]. **Hot** [MT06]. **House** [Ano13b, Ano13c, Ano15b, Ano15c, Ano15e, Ano15f, Ano15g, Ano15l, Ano15m, Ano15a, Ano15n, Ano15o, Ano15q, Ano15p, Ano15v, Ano16a, Ano16b, Ano16h, Ano16i, Ano16m, Ano17f, Ano17m, Ano17u, Ano17y, Ano18d, Ano18o, Ano18t, Ano18u, Ano18-27, Hea03, Ano17w, Ano17x, Ano17z, SWH18]. **Howard** [Coh98, Cro00b, Lee00c]. **Hughes** [Smi99b]. **Human** [Ano97f, Ger04, Gru05, Hic08, RAG⁺04, Sou19, Tom96, Tom00b]. **Human-Computer** [Gru05]. **Humanity** [Smi99a]. **Humor** [Bau07]. **Hungary** [Sze99]. **Hush** [Tra19]. **Hush-A-Phone** [Tra19].

I. [Hai03c]. **IBM** [Roj04a, Sch17, Ake98, BBC⁺09a, BBC⁺09b, BJ03, Bro99a, BH95, Cor13, Cor14, Cor15a, Cor17, Cor18, End04, End13, Gan04a, Gan04b, Gil07, Gra02a, HS13, Hal18, HN13, Hen05, HIIT05, HII⁺05, Med08, Mey99, Rob16, Sch08, Spe98, Spi05, SD98, WC12, Yos13a]. **IC** [CO12, LR12]. **ICA** [BLH12]. **Icon** [Hin18]. **ICs** [SL12, Phi12]. **Ida** [Tom00b]. **Idea** [RAG⁺04]. **Identity** [Sub14]. **ideology** [Tym96]. **IDES** [Yos16b]. **IDIOM** [Bis98]. **IDMS** [Kru09]. **IDS** [Bac09]. **IEE** [Win03]. **IEEE** [Ano17a, Ano20f, Ano97e, Ano98b, Ano03a, Ano06, Ano07, Ano14c, Ano15m, Ano16h, Ano16i, Ano16g, Ano16j, Ano17n, Ano17l, Ano17m, Ano17k, Ano18k, Ano18j, Ano18l, Ano18m, Ano18n, Ano19a, Ano19x, Ano19y, Ano19z, Ano19-27, Ano19-34, Ano19-28, Ano19-29, Ano19-30, Ano19-31, Ano19-32, Ano19-33, Ano19-35, Ano19-36, Ano19-37, Ano20f, Ano20l, Ano20o, Ano20m, Ano20n, Ano20p, Ano20q, Asp92a, Asp92b, Asp92c, Asp93b, Asp93c, Asp93d, Asp93e, Bow98b, Bow98a, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano19m, Ano19n, Ano20c, Ano20d, Ano20e]. **IEEE-CS** [Ano17a]. **II** [Bac98, Car92, Lon08, Smi01a]. **III** [Bac98, Lee00c, Lee01d]. **Illegal** [Tin11]. **Illinois** [BB02, Mil06]. **Illustrators** [Kid00c]. **Image** [Kru07, Vog17, Kir98]. **Images** [Tha17]. **Imaging** [San11]. **Imagining** [Mal02, Pet17]. **IMP** [WI14]. **Impact** [Lee92i, Wei08]. **Implementation** [AD14]. **Implementing** [HPR14b]. **Implications** [Hun12, KBSW11]. **important** [Cor98]. **impossibility** [Kid00g]. **Improvement** [Kid01d]. **IMS** [McG09, Pat09]. **Inc.** [DW20, WG19]. **Inconsistent** [Gri10]. **Inconspicuous** [Sat11]. **Incorporating** [AKM08]. **Incredible** [Kid99e]. **Independence** [Yos13a]. **Index** [Ano92a, Ano92b, Ano93, Ano94, Ano00a, Ano01a, Ano02a, Ano03a, Ano04a, Ano05, Ano06, Ano07, Ano09a, Ano09b, Ano11a, Ano13a]. **India** [Raj15, Sub14]. **Indian** [Sin09]. **Indianapolis** [Ges12a]. **induced** [Ano99e]. **Industrial** [AL12, Smi16b, Var94, Van95]. **industries** [Yat97]. **Industry** [Ake98, CK97, CKGS08, CK12, Car93, Cor06b, Don10, Dra18, GJ02, Gra03, GJ12, Hai04b, Hai10a, Hem14a, Joh02, Lee97, Lei08, Lei17, MPDT12, Pet05, PA96, SS09, Sey18b, Tak96, VN11, Vog17, Yos13a, Yos13b, Yos15b, Fal98, Joh96, Joh98, Kid00e, Kid00f, Pro99, Van95]. **Inequality** [Sid20]. **Influence** [Cor06a, PHL92, Roh99]. **Influencers'** [Bri06]. **Influences** [Cro93]. **Info** [Ano18d]. **Informática** [FHD17]. **Informatics** [AKM08, Bau06, Bös08, FH14]. **Information** [Ano18e, Ano18k, Ano20f, Asp13, Asp15, Car93, Cor08b, Cor12, Cor15c, Cor19a, Cor19b, Cro18, Fei10, Fra18, Geo08, GB13, Gri12, GK02, Hai09, Kid96f, Kid99e, Mal02, ORB⁺92, RCP⁺13, Sip13, Tat10, Tym99, Yos01, Ano18a, Asp99,

- CMM95, Kid99a, McG09].
information-based [CMM95]. **Informix** [Sip13]. **Infrastructure** [FC16, Par15, Sch06a, SB20]. **ing** [Bro10]. **Ingres** [Row12]. **Initial** [Hen05, HIIT05]. **Initiates** [HW17]. **Initiative** [Dav17]. **Innovation** [Lew14, Lan00, Uss96]. **Innovative** [Has16]. **innovators** [Rus16a]. **Institute** [CK92d, JB07, Sei95, Klu99, Asp07, CK01b, Car15, Mis07a, Nor01, WD98]. **Institutional** [Ake04, Gio93]. **Institutionalizing** [Hai01]. **Institutions** [McG12]. **Instruction** [Cro18, Kid15]. **Instructional** [BH95]. **Instruments** [Kid97b, Phi12]. **insurance** [Yat97]. **Integrated** [Bac09]. **Integration** [Ano20f, Log98]. **Integrator** [GG46, GG96]. **Intel** [Asp97, Maz07, MS09, Maz10, Sta07]. **Intelligence** [Shi19, Ada96, Kid99b, Kli11]. **intelligent** [Tym96]. **intentioned** [Fit02b]. **Interaction** [Gru05]. **interactions** [Yat97]. **Interactive** [Hem16]. **Interface** [Ano19r, Bak17, Wil00c, Bro00]. **Interleaf** [DW20]. **International** [Ano20f, Ano20p, CK97, Fra18, Mis99, Paj08, Sch06b, Sch08, Par07, Tat10]. **Internet** [Ano00b, Ano19i, GH18b, Abb10, Cer06, DeN15a, Dow09, Kid00h, Kir99, Kru07, Lig03, McK11, Par08, Par16b, RC15, Rus06, VHSCC15, Wal00, Wu15]. **Interpretation** [FC15]. **intersection** [Est96]. **Interview** [Ano01b, Ano12b, Ano20r, BG93b, Gri13, Mac98, McJ20, Spi14, Wal11, Wal18, Wal20, Ano12a]. **Interviews** [Gri14, LR92, LH95, RL92]. **Introduction** [Abb03, Ano09e, Bös08, BG93a, CK92b, CG06, CG07, GB09, GR02, Lee92g, Mis07b, Nyc96, Sei96, Smi07, VN11, Wil00c, Wil01b, Alb14, Gra12, Gra13, Per99, RCP+13, Yos15a, da 15b]. **Intrusion** [Yos16b]. **Intrusion-Detection** [Yos16b]. **Inventing** [Ano00b, Ari00, Wal00]. **invention** [Asp97, Kid00a, Kid00i, Puc96]. **Inventions** [Neb98]. **Inventor** [Gal11]. **INWG** [Day16, McK11]. **IP** [Yam18]. **IPSJ** [SWH18, Yam18]. **IPTO** [Kit03]. **IRI** [Ano20f]. **Irma** [Gri03a]. **Iron** [Gaw19]. **Irresistible** [Mer06]. **Isaacson** [Rus16a]. **ISBN** [Ber03d, Cer03, GH18b, Mor03, RAG+04, Smi03, Win03]. **Island** [Ges10b]. **Israel** [Ges10a]. **Issue** [Ber94, Ber00, Ber01c, Ber01a, Ber01b, Ber02a, Ber03c, Ber03a, Ber03b, Gal04, Lee92a, Lee92b, Lee92c, Lee92d, Lee93a, Lee93b, Lee93c, Lee94a, Lee94b, Lee95a, Wil93a, Wil94a, Wil96a, Wil97b, Lee95b]. **Issue/From** [Ber01c, Ber02a, Ber03c]. **issues** [Cer97]. **Italian** [CG20, Hen10, HT12]. **Italy** [DMPS99]. **IV** [Pos98]. **J** [Cro99, GH18b, Hai05c, RAG+04, Rus13a, Rus13c, Wal12]. **J.** [Eck96, Kit03, Lee95c]. **Jack** [Eck07a]. **James** [RCP+13, Gui99]. **Japan** [CK08, CO12, HII+05, Sat11]. **Japanese** [Tak96]. **Jean** [Ber09, MK10, SWH18]. **Jeffrey** [GH18b, Lee99b, RAG+04]. **Jeremy** [Cer03]. **Jersey** [Ges06a]. **Jevons** [BH99]. **Jewel** [RAG+04]. **Joan** [Lee01d]. **Job** [Ano15g, Ano16b, Ano17f, Ano17e, Ano17o, Ano17p]. **Jobs** [Ano19s, Ano19-34, Ano19-35]. **Joe** [Bro18, Jac93]. **John** [Ano99f, Ano98a, Ano99c, CD14, Cos96, Gri00a, Gri03a, Hai10b, Lee95d, Lee01d, Lee01c, Sei03, Wil01b]. **Johns** [GH18b, Mor03, RAG+04]. **Join** [NL16]. **Jonathan** [Ano99d]. **Joseph** [LBA00, Wil92b]. **journal** [Pol95, Sha00, SD98]. **Journey** [Kid99d, Sin09]. **JSTOR** [Sha00]. **July** [Hus97]. **Jumping** [Dow04]. **Junction** [Yoo05]. **just** [Van95]. **Kangxi** [Ano92d]. **Kanji** [HIIT05]. **Kare** [Hin18]. **Karl** [Roj04a]. **Katapayadi** [Ram97]. **Kay** [Bar07]. **Keep** [Ano20s].

Kelly [RAG⁺04]. **Ken** [Ano17y, Win03].
Kennedy [Ano17y]. **Key**
 [CG20, Hei11, Hen10, Par15, Roe08].
Key-Driven [Hen10, Roe08]. **Key-Set**
 [Hei11]. **Keystone** [McC02]. **Kidwell**
 [Ano00b]. **Kiesler** [RAG⁺04]. **Kilburn**
 [And09, BG93b]. **Kilby** [Eck07a]. **Killer**
 [Ben13, SH19]. **King** [Lee97]. **Kingdom**
 [Kir99, WYv98]. **Kings** [Lee95e]. **Kissinger**
 [Lap11]. **Kling** [Hai03b]. **Knowing** [Sei97].
Knowledge [Ake04, Ano17z, Puc96].
Known [Bru17, EF11]. **Knox** [Mor03].
Knuth [CK14]. **Kong** [Smi16b]. **Konrad**
 [Gil97, Roj97, RDGH05, Wei96c]. **Korean**
 [Par15, Par16a].

L [Asp93a]. **L.** [Cro99]. **Labor** [Sch17].
Laboratories [Roj04a, Irv01]. **Laboratory**
 [Spe98, BBC⁺09a, BBC⁺09b, Bur02,
 Gan04a, Gan04b, How99, Lat13, LBA00,
 Moo01, PHL92]. **Labs** [Mor03, RAG⁺04].
Lady [Too96]. **Landscape** [McD10b]. **Lane**
 [Del08]. **Language**
 [All18, Ber09, DA14, End13, KKW09, NM09,
 Nan09, Nof10, Raw14, Sin09, Smi11, Wad12,
 Wei06, Gil97, McK95]. **Languages**
 [All18, Ber94, Den15b, Hen05, HIIT05,
 HII⁺05, Pau14, Smi04, WP94, Roh99].
Lansdown [Ano99f]. **Laptop** [Lin16].
Large [JMSV10, Nik17b, Wie10, Joh99,
 KS97, Log98]. **Large-Scale**
 [JMSV10, KS97]. **Largest** [Ano97f]. **Larry**
 [Ano98b, Wal20]. **Last** [Wil98b]. **Late**
 [RP12]. **Later** [Nee92]. **Latin** [da 15b].
Launch [CO12]. **Lautenberg** [Hai04b].
Law [Mol06]. **Lawrence** [Hai05c, Kit12c].
Lay [Gre05]. **Laying** [GH18a]. **Lead**
 [HII⁺05, MT06]. **Leadership**
 [Ano17n, Asp07]. **Leading** [Ano15v, Hea05].
Leap [CVRM15]. **Learning**
 [Cro19, Pla16, Sla15, Sta20]. **least** [Gas99].
Lebedev [CG94]. **Led** [Spr16]. **Lee**
 [Wei92e, Wei96a]. **Legacy**
 [Kid97a, Law10, Roj97]. **Legal**
 [Hod19, Kid00e]. **Legend** [Law10].
Legibility [All18]. **Lehmers** [Cor08a].
Leibniz [Kis99b]. **LEO**
 [Ari00, Cam03a, Kid99e, PHL92, Kis99a].
Less [DMD18]. **Lesson** [Nel17]. **Lessons**
 [Ens04a, FM93, Mai16, MF93, Ste06, Lee96].
Letter [Ber92, EMW02]. **Letters**
 [Ano19-36, Gri02, Gri04e, Ano18l, Ano20e].
Level [Fei11, Gil97]. **Levinson** [Tym99].
LFK [Ano02f]. **LGP** [Smi07]. **LGP-30**
 [Smi07]. **Libraries** [GR02, Ray02, Wil02].
Library [BB02, Bur02, Cer03, Gra02b,
 Mal02, Mar02, McC02, SRG02, Smi03,
 Asp99, Ano14k, BGM02, Wil01a]. **Licklider**
 [Kit03]. **Life**
 [Ake08, Ano98b, Ano00b, Asp01b, Asp13,
 BJ03, Kne17, Moo03, Neu06, Par15, RAG⁺04,
 Rus13a, ZR06, Cos96, Cro00a, Sei03, Yat97].
Lifetime [Mac03]. **Light** [Smi16a].
Lighthill [van19]. **Lillian** [Kid99a]. **Limits**
 [EM94, Sei00]. **LINC** [Kit08b]. **Line**
 [Hal92, Lee92g, WF92, RG02]. **line-drawing**
 [RG02]. **Lines** [Ben93b, Kis92a, Dor94].
Link [McQ09]. **Link-State** [McQ09]. **Lions**
 [Ano99c]. **Lisa** [Kid00i]. **LISP** [McJ17b].
listings [Ano00a]. **Listserv** [GC00].
Lithuania [TZ99]. **Little** [OK07, Kid00i].
Lives [CK94]. **Living**
 [Cro03a, Tri01, Wei96b]. **Liz** [McJ20]. **Local**
 [CVRM15, Ens18b, Ges06b, Ges09a].
Locality [AD14]. **Locating**
 [Ber92, Kis97, LM94]. **Lock** [Gre95].
Lock-in [Gre95]. **LOCOMAT** [Roe12].
LOCS [Ano18o]. **Logical** [DMD18]. **Logos**
 [Was13]. **Long** [Wei08, Mar10a, Ges10b].
Long-Term [Wei08]. **Look**
 [Rop07, Tha17, LS00]. **Looking**
 [Ano17o, Ano17p, Cor06b, Mit08]. **LOSC**
 [Ano18p]. **Losing** [Ver11]. **Lost** [Hea01a].
Lotus [Kap07, Sac07]. **Louis**
 [Out03, Kid00a]. **Louise** [Nik17a]. **Lovelace**
 [FF03, Lee00a, Spi03, Too96]. **Lowther**
 [Lee01d]. **Ltd.** [Cro99].

M [Cer03, Kid96b, Smi03]. **MA** [Sid20]. **MAC** [LFS+92, LR92]. **Machin** [RG02]. **Machine** [Abb01, Ano97f, Ger04, GHV05, Gri03b, Hei11, LBA00, MA96, Pla16, Roe08, RAG+04, SR14, Sou19, Tur11, Wad12, Aga01, CF92, Kid00a, Kid00k, Kis98, Lee00c, McK95, Smi02]. **Machines** [CVRM15, Den01, Den15b, Dic13, Hai18, Jon04, Kid01d, Sei97, vdE94, Kid99b, Tym96]. **Macintosh** [SH19]. **Maddida** [ERS03]. **Made** [Ano92d, Cor97, Lee95e]. **Magazine** [Nel17]. **Magazines** [Ano13c]. **Magnavox** [MS09]. **Magnetic** [Wei00]. **Maher** [Rus13c]. **Mahoney** [RCP+13, Asp14, CK13]. **Mail** [Van12]. **main** [Sto99]. **Mainframe** [Lap09, Gre95]. **Mainframes** [Tak05, Kid99c]. **maintenance** [DV18]. **Major** [Ano16h, Ano19o, Ano19p]. **make** [Roj98]. **Maker** [HC20]. **Makes** [Mah08, Sum07]. **Making** [GH18b, Kid00f, LR12, Sjö11, Sta03, Aga01, Bro99a, Kid00g, Smi02]. **Malta** [Alo07]. **man** [Gas99]. **man-in-space** [Gas99]. **Management** [Ano18m, Ano18n, BH09, GB09, Gra12, Gra13, Kos07, Kru09, McG09, Sip13]. **Managing** [Boh13, GH18b]. **Manchester** [Ibb99, And07b, Bur05, Cop11a, Cop11b, Cro93, Gio93, Hai03a, Lav93, PB93, SB98, Twe93]. **Manufacturing** [Lin16, MF93]. **Mapping** [Kru07, Smi00]. **Maps** [FC15, FC16]. **MARC** [McC02]. **March** [Yos16b]. **Mark** [GH18b, Lee00c, Pos98, SB98]. **Marked** [Wal19]. **Market** [da 15a]. **Marketing** [Ben13, Woh06]. **Markets** [Sch08]. **Marquand** [BH99]. **Martin** [RAG+04]. **Mary** [Cro03a]. **Maryland** [Min07a, Min07b]. **Masthead** [Ano13e, Ano16k, Ano16l, Ano17q, Ano17r, Ano18q, Ano18r, Ano18s, Ano19-43, Ano19-41, Ano19-42, Ano20t, Ano20u]. **Mataré** [Van09]. **Matching** [Gil07]. **Materiality** [Cer06, Ens13]. **Math** [Gri98].

Mathematical [CCK00, Gri01b, Hai08, Hai10b, Kid97b, Kid99e, PHL92, Roe12, Puc96, Gri97, Pol95]. **Mathematician** [CD14]. **Mathematics** [Lon08, MP97, Puc96]. **Matilde** [VHCSCC15]. **Matlab** [Hai08]. **Matters** [Ano14d]. **Mauchly** [Ano19a, Cos96]. **Maurice** [Lee93d]. **Max** [And07a]. **McClellan** [Ano98a]. **McIntyre** [Smi11]. **MCM** [Sta03, Sta17]. **MCM/70** [Sta03]. **Me** [BJ03]. **Meaning** [Ano00b, Jac16, Pos00]. **Meanings** [CO12, Ver11]. **Measuring** [Sla15]. **Mechanical** [Ben93b, Cly93, Dra76b, Hal92, Kis92a, Roe15, Roe16b, San13, WF92]. **Mechanics** [WD98]. **Mechanism** [Ash76, Bal76, Bro86, Bro77, Dra76a, Mor84, Nas75, Nor77, Ole77, Smi78, Spi08, de 74]. **Medal** [Bow98a]. **Media** [Bri06]. **Medical** [Cas06]. **Medicine** [Nov11]. **Medium** [Bar07]. **Meeting** [PM12, WH17, Wal19]. **Meets** [Cor08a, Bro99a]. **Member** [Ano98b]. **Membership** [Ano13f, Ano14d, Ano17w, Ano17x, Ano17v, Ano18t, Ano18v, Co02, Ano17z]. **Memex** [Kid96f]. **Memoir** [Smi04, Bir00, Est00, Log98, Mey99, Pos98]. **Memoirs** [Cor13, Goe02b, Goe02a, Tri01]. **Memorial** [Wei96d]. **Memoriam** [Hai04c]. **Memory** [Cop11a, CHGW17, Del08, Med05, Pow19, Ber03f, Eck98]. **Mercury** [Gas99]. **Merger** [Bau06, GS07]. **Merwin** [Ano15a, Ano17n]. **Meryl** [Sid20]. **MESM** [FBK06]. **Message** [Bri06]. **Messages** [Bur05]. **Messaging** [Hem14b, Van12]. **Metallurgy** [MPDT12]. **Metaphor** [Hal18]. **metaphysician** [Too96]. **Methods** [Bur05, Lon04, SK11]. **Metrics** [Sla15]. **Mexico** [BLH12, CVRM15, DAGVR+15, OARHC10]. **MF7114** [Sta10]. **Michael** [Cer03, Ano20r, Asp14, CK13, Kid99a, RCP+13]. **Microchip** [RAG+04, Kid00g]. **microchips** [Kid00f]. **Microcircuit** [SL12]. **Microcircuitry**

[AL12, BL12]. **Microcircuits** [Lat13]. **Microcomputer** [Sta03, Sub14]. **Microcomputers** [Fev13, Tin11]. **Microhistory** [Gal11]. **Micrologic** [LR12]. **Microprocessor** [Sta10, Sta13, Asp97]. **microprocessors** [Kid99c]. **Microsoft** [Ano97d, DV18]. **Middle** [Smi03]. **MIL** [Sta10]. **Military** [McD10a, MP97]. **Mills** [Ano17l]. **Mina** [Ano98c]. **Mind** [CH05, Hey08a, Hey08b, Kid99c]. **Mindell** [RAG⁺04]. **Miniaturization** [Mil11]. **Minicomputer** [Fre07]. **Minimalism** [DMD18]. **Mining** [MPDT12]. **Minitel** [Mai16]. **Miracle** [HPR14b]. **Misa** [GH18b]. **Mobile** [Alp15, Ano14g, Sid20]. **Model** [Dar12, HC20]. **Modeless** [Tes18]. **Models** [Kne17]. **Modern** [CD14, DMS18, GB13, GH18b, HPR14b, Lon04, Mir17, Ram97, RAG⁺04, Aga01, Smi02, Win96]. **Modular** [Roe17]. **Molecular** [SL12]. **Moler** [Hai08]. **Molnar** [Ano99a]. **Monte** [HPR14a]. **Montreal** [Ges07a]. **Mooers** [Wei95c, Wil01b]. **moon** [Kid99d]. **Moore** [Mol06, Win96]. **morphogenesis** [Kid96b]. **Morse** [Owe96]. **MOS** [Mor03]. **most** [Cor98]. **motion** [PM12]. **Motives** [Bur05]. **Motors** [Kru94]. **Mourice** [Ano98a]. **Movement** [Sta15]. **MRI** [Bru09]. **MRP** [Pee09]. **MU5** [Ibb99, Roh99]. **Multi** [Ano15v]. **Multi-Core** [Ano15v]. **Multimedia** [Ano97d]. **Multiplying** [McP95]. **Murray** [Lee01d, Sub12]. **Museum** [Ano92d, WH17]. **Museums** [HC20]. **My** [Gri94, Lew14, Moo03]. **myComputer** [Ano13g]. **myCS** [Ano17u, Ano17s, Ano17t]. **mystery** [Mar10b]. **Myth** [Mir17, Tra19].

NA-Net [DGG⁺08]. **Name** [BV19, Lee00a]. **Names** [Fei11]. **Narain** [RAG⁺04]. **nation** [Coh98]. **National** [Fid18, ORB⁺92, Paj08, Par16a, Sub14, Dav17, Gur96, Kir98, Lap11]. **Natural** [Tym99, Wei06]. **Natural-Language** [Wei06]. **Nautical** [Cro03b]. **Naval** [LBA00, Moo01]. **Navy** [Doy01]. **Nazi** [LM94]. **NCC** [Hus97]. **NCR** [LBA00]. **near** [Kid00g]. **Nebeker** [RAG⁺04]. **NEC** [Yam19a]. **necessity** [Sha97]. **Need** [Cor04, Kid00l]. **needed** [Coh98]. **negotiated** [Fit03b]. **Negotiating** [Sta13]. **Neil** [Wei96d]. **Neill** [RCP⁺13]. **Nelson** [VM18]. **Nema** [Kid00k]. **Nerds** [Kid00h]. **Net** [Nor98, DGG⁺08]. **Netherlands** [vdE92]. **Netlib** [DGG⁺08]. **Nets** [Gui99]. **Network** [Ano02f, Cro19, CH05, Hem16, Mai16, Sch06a, Est00, Fei10]. **network-based** [Est00]. **Networked** [PM12]. **Networking** [Ano18u, Cer03, Day16, Fie03, Ges06b, PB06]. **Networks** [Ayl10b, DF16, Ges09a, HP96, Kid96d, RP12, Rus12b, Gui99]. **Neumann** [Gil97, GH93, Gri03a]. **Neural** [Gui99]. **Never** [All19, Tat13]. **Newell** [Cly93, Sim98]. **Newman** [And07a, WN05, WN06]. **Newspapers** [MT06]. **Nicolas** [Kid97b]. **Nimbi** [Jor09]. **Nineteenth** [Kid19b]. **No** [Cor15a, Swa05a, Ano97e, Win03]. **Noble** [Har13]. **NOL** [Wil01b]. **NOMAD** [Raw14]. **Nominations** [Ano16a, Ano16h, Ano17d, Ano17y, Ano19o, Ano19p, Ano20h]. **Nominees** [Ano17d]. **non** [Gil97]. **nonrole** [Kis97]. **Noon** [Sou19]. **Norberg** [Asp07, Mis07a]. **Norman** [Cer03]. **Norris** [Wor95, Eck07b]. **North** [Mag09]. **Northern** [SR14, CK12]. **Norway** [Lun18]. **Norwegian** [Bro99a]. **Notch** [Hea05]. **Note** [Buc95b]. **Notes** [Bro86, NL16, War15, FF03]. **Novel** [Hem19, Kid19b]. **November** [Rus13a, Yam19b]. **NSA** [Mis16]. **NSF** [AW94]. **NTT** [Sat11]. **Nuclear** [HPR14a]. **Number** [CK07b, Cor08a, vdE94, Coh98]. **numbers** [CCK00]. **Numerical** [GG46, GG96].

O [Gro92]. **Obituaries** [Hai03b, Lee01d, Lee01c, Wei96e, Wei96f].

Obituary

[Ano98c, Hai03c, Kit12c, Lee00d, Mor84, Out03, Pol03, Wei96c, Ano99a, Ano99c].

Obsolescence [Cam09]. **obviousness**

[Owe96]. **occupation** [Zwe99]. **October**

[Fid17]. **Odyssey** [MS09]. **Oedipus** [Lav06].

off [Hea02]. **Offer** [Bau06]. **Office**

[Hai06, Hei11, Ste03, Alo07]. **Offices** [Cor17].

Official [All19]. **Old** [Rop07, Mar10a].

Olden [Cor15b]. **Oldest** [Wei96b]. **Once**

[Mer06, Mir17, RP12, SB20, Wes17].

Once-Irresistible [Mer06]. **One** [Ano17z].

Online [Doy01, Mai16]. **Only**

[Hic10, HW17]. **Ontologies** [Dia16]. **Open**

[Ano20q, Ano20s, Ens04a]. **Openness**

[HW17]. **operating** [HTAY97, Rei97].

Operation [ZR06]. **Operations** [Wie10].

Operators [Hic10]. **opportunities** [Goy96].

Opportunity [Mer06]. **Options**

[Ano17w, Ano17x, Ano17v, Ano20s, Fit03b].

Oracle [Ben13, Men13, Pre12]. **Oral**

[Bro18, Gui99, Kat18, Spi18]. **Orange**

[Lip15]. **orbits** [Gas99]. **Ordnance**

[Lat13, Moo01]. **Organization**

[Smi16b, Van95]. **Organizational** [BB02].

Organizations [Cor19a, Cor19b]. **Oriented**

[Ano20p, Cam13]. **Origin** [Alo04, Bac09,

Den01, Fei11, Kru94, Rei08, Sha00, Yos15b].

Original [HT12, McJ17a]. **Originators**

[Cop04a]. **Origins** [Ber06a, BV19, Cer03,

Cop04a, Est02, FH14, Hai06, Hal18, Jes13,

Pug02, Ran94, Tat10, War18, Wil93b, Asp99,

Bar03, BH99, Cro99, Fit03c]. **Ornstein**

[Smi03]. **oscillations** [Ano99e]. **OSI**

[Rus06]. **Oslo** [Hol96]. **Other**

[Del08, Den01, Gri01b, Kid96f, Pol95].

Ottawa [Ges07a]. **our** [Bab97]. **Outcomes**

[McG12]. **Outer** [Ges09b]. **Overcoming**

[Ano99e]. **Overview** [BL12, LM94, Smi01b].

Owens [Ano98b]. **Ownership** [Dia12].

Oxford [RAG+04, RCP+13, Ges07b].

P [Smi99b]. **Paint** [Smi01b]. **Pamela**

[RAG+04]. **Papers** [Ano15b, Ano15c,

Ano18b, Ano20f, Ano20n, NK98]. **Paradigm**

[HPR14b]. **Parametron** [Yam19b]. **Park**

[Ano97e, LH95, ORB+92, Sal05, Wei94a].

Part

[BBC+09a, BBC+09b, BBW18, BBW19,

Big20a, Big20b, Cop11a, Cop11b, Cor16,

Cor18, Cor19a, Cor19b, Goe02a, GH19,

GH20, Hen05, HIIT05, HII+05, Hey08a,

Hey08b, Kee04, Kee05, Pre12, Roe15, Spi16a,

Spi16b, Spi16c, WN05, WN06, Yos16a,

Cor15c, Goe02b, GR02, Roe16b, Spi15a].

Participants [Ano92c]. **Participation**

[Rus13c]. **Partisans** [Coo02]. **Pascal**

[Kis98]. **Past**

[Ber14, Bur05, Cor09, Gra03, Nan09].

patent [McT98]. **Patents** [Con15]. **Path**

[Lei17]. **Patrick** [And07b]. **Patterns**

[Cor08b]. **Paul** [RCP+13, Tym99]. **PC**

[CG06, CG07, Mer06, Sta07, Sum07].

Peering [Lew16]. **Peggy** [Ano00b].

Penetration [Hum12]. **Pennsylvania**

[Win96]. **People** [Cro93, Ens04b, Kid15,

RAG+04, Smi04, Cor98]. **Peresus**

[RAG+04]. **perfection** [CK01a]. **perpetual**

[Goy96]. **Persecution** [LM94]. **Personal**

[Ber06a, Cam03a, End13, Gal11, Gra02a,

Hoa03, Hum02, Jac16, Kat10, Kee04, Kee05,

OARHC10, Pet17, Phi12, Roj04a, Sta17,

Bar03, Bir00, Hai03a, Kli99, Log98, Mey99,

Sha00]. **Perspective** [Asp92a, Asp92b,

Asp92c, Asp93b, Asp93c, Asp93d, Asp93e,

CK12, Hoa03, Hum02, Nor01, Spi08, Joh99].

Perspectives

[Ano09e, CKGS08, Kid96c, NM09].

Persuasion [Jac16]. **Peter** [Wal12].

Phenomenon [And07b, Cro93]. **Phil**

[Owe96]. **Philadelphia** [Hea01b]. **Philco**

[Kos03a, Ros04]. **Philips** [Pee09].

Philosophers [Hem19]. **Phone** [Tra19].

Phonetic [Hen05]. **Photolithographic**

[Lat13]. **Physicist** [And07b]. **picture**

[PM12]. **Pictures** [RCP+13]. **Piece**

[CK02a, Cor01a, Cor09, Dic13, DA14,

Edw01, Gri00b, Lap09]. **Pillars** [CK02b].

pilot [Ano99e]. **pilot-induced** [Ano99e].
Pinkerton [Ano98a]. **Pioneer**
 [And07a, And09, Cam03b, CD14, CH15,
 Goe02b, Goe02a, Hai08, Hai10b, Hai11,
 Nik17b, Nyi11, SL12, SK11, Spi15a, Spi16a,
 Spi16b, Spi16c, Sub13, Twe93, WH17,
 Yos13b, Cro00b, Kis99a, Hus97].
Pioneering
 [Bir00, CK08, Ste06, SW95, Hal00].
Pioneers} [RAG⁺04, Kid00d]. **Pisa** [CG20].
Pit [Med08]. **Pittsburgh** [Asp99, Ges08].
PKI [Par15]. **Plain** [Lap09]. **Plains**
 [Ges09a]. **Planar** [LR12]. **Plankalkül**
 [Gil97]. **Planned** [GH93]. **Planning**
 [Gri11b]. **Plans** [Bro00, Wil00c]. **Plated**
 [Hai01]. **Platform** [Spr18b, Bis98].
Platforms [Sum07]. **Play** [Rus16d]. **Plug**
 [Tak05]. **Plug-Compatible** [Tak05]. **Plus**
 [Est02]. **Pocket** [RP12]. **Point** [Cor15a].
Policy [Bak17, Lon08, Sub14, Van10b,
 War15, Kid00f]. **Polish** [Gaw19]. **Political**
 [Ich06, McD10b, Wei08, Joh99]. **Politics**
 [Don10, Tin10]. **Pollak** [Kis99a]. **Pong**
 [Low09]. **Poor** [Kid00i]. **portrait**
 [Cro00b, Spi03]. **Portrayals** [Vog17].
possible [Cor97]. **Postal** [De 95].
Postcolonial [PN16]. **Postel** [Ano99d].
PostScript [War18]. **Postwar**
 [CK08, CO12, Sch17]. **Potential** [Nel17].
Power [Coh15, Ens04b, Lew17, Sla08]. **Pp**
 [Smi78, Ano97e, GH18b, Mor03, RCP⁺13,
 Smi03, Win03]. **pp.** [Cer03, RCP⁺13].
Practical [Kid15]. **Practice** [Ayl10b].
Practices [Cor07, Cor08b]. **Precision**
 [WD98]. **preconditions** [Cor97]. **Present**
 [Nan09, Neb98]. **Preserve** [Shu06].
Preserving [Cor09, Gra03]. **President**
 [Ber09]. **Prosper** [Eck96, Lee95c]. **Press**
 [Ber03d, GH18b, Mor03, RAG⁺04, RCP⁺13,
 Sid20, Win03]. **Price** [Bro77, Nor77, Smi78,
 Ash76, Bal76, Dra76a, Mor84, Nas75, Ole77].
Priestley [GH18b]. **Primes** [Bul15].
Principal [Kid97b]. **Printed** [Kid15].
Privacy [Ano19-45, Ano19j]. **Private**
 [Hym92]. **Privatizing** [Abb10]. **Prize**
 [Yam19a, Ano98b]. **Probability** [Dry18].
Problem [Fri94, Nel17, Wu15, Fit02b].
Problems [HS14]. **Process**
 [Ayl10a, SW95, Woh06]. **Process-Control**
 [Ayl10a]. **Processing** [Ber06a, Ber06b,
 CG06, ES05, Hai06, Mak06, NM09, Sin09,
 Yos01, Bir00, Kir98, Kis99a, Tat10].
produced [RCP⁺13]. **Product**
 [Boh13, Gan04b, Hai02, Hen05, McG09,
 Ano02e, Pos98]. **Production**
 [FC15, O'D09, Van95]. **productivity**
 [Kid96g]. **Products** [GJ02, Yos15b].
Profession [Zwe99].
Profession/occupation [Zwe99].
Professional [Ano19-40]. **Professionalism**
 [Ens01]. **Professionalization** [FHD17].
Profit [Moo03]. **Program** [HPR14c, Hem19,
 McG09, Rop07, WI14, Cer97, Gri96].
Programmability [HP18]. **Programmable**
 [RP12]. **Programme** [Dav17].
Programmer [Vog17, Wil00c, Bro00].
Programming
 [Alb14, All18, Ber94, Ber09, CK92c, CK98,
 CK07b, Gri11b, Kos03a, Kos03b, Nof10,
 Pau14, Pay14, Ran94, Whe92a, Gil97, Roh99].
Programs [Hun12, Jon03, Pau14, SB98].
Progression [Smi16b]. **Project**
 [CG20, Dur10, McJ17b, Moo01, MK14,
 OARHC10, PHL92, Rob16, Spi05, Wil01b,
 Ibb99, Joh99, Gas99, Gri97, Gri98, LFS⁺92,
 LR92, Ran15, Roe12, Wil18]. **Projects**
 [Paj08, Gri98]. **Prolegomena** [Ray02].
Proliferation [Ber06b]. **Prolog** [Lee92h].
Prometheus [PM12, Smi99b, Kid99e].
Promoting [Ayl10a]. **proof** [Mac95].
Prosaic [Ayl10a]. **Prosopography** [Nel17].
Protection [O'D09]. **Proto** [Sta07].
Proto-PC [Sta07]. **Prototype**
 [Roe09, SB98, Spr18a]. **Prototypes** [Sta20].
Provision [AW94]. **Prudential** [Yat97].
Public [Par15, Wil18]. **Public-Key** [Par15].
Publications
 [CB19, GH18b, KW19, Sey19, Smi78, VM18].

Publishers [Ral04]. **Publishing** [BBW18, BBW19, GH18a, GH19, GH20, Pag08, RAG⁺04, Sey18b, Spr18a, Spr18b, WH17]. **Punched** [Kis92b, Kis05, Wil02, vdE94, Hei97, Kis97]. **Punched-Card** [vdE94]. **Purchasing** [Lew17]. **Purdue** [RR04]. **Purloined** [Lap09]. **Purpose** [ERS03, Sma93]. **Pushing** [Jes07]. **PVC** [Ano19-44].

Quadrupole [CO12]. **Quantum** [Ano20q]. **Quarter** [Ano19-38, Ano19-48]. **Queens** [Buc20]. **Queries** [Ben93a, Ben93b, Ber92, Buc95a, Buc95b, BS96, Car92, Dum94, Ekl92, GM96, Gro92, Gro93, Hal92, Hym92, Jac93, Kis92b, Kis92a, Rob93, Ros92, Sha00, Tod93, Tro93, Tro95, WF92, Wil00b]. **query** [Fit02b]. **Quest** [Ano00b, Wil00a]. **Question** [Ayl10b, Ens01]. **Quetelet** [Ber92]. **Quing** [Ano92d].

R [Ano20r, Cer03, GH18b, Hai10b, Kit03, PM12]. **R&D** [Bar05, Hea05]. **Race** [Nel17, Tom96]. **Radar** [Gre13]. **Radical** [And07b]. **Radimsky** [Nik17a]. **RAID** [Kat10]. **RAND** [Mis16, GS98, GS01, GS04, Sch08]. **Random** [MB09]. **Ranking** [Rob19]. **Rare** [Bru17]. **Raster** [MB09]. **Raul** [Roj04b]. **Raymond** [Spi16b, Spi16c]. **Raymund** [Mis99]. **Raytheon** [Kos07]. **RCA** [AL12]. **RDBMS** [CK12, HN13]. **Ready** [WJ05]. **Real** [Cer14, Mar12, Gas99]. **Real-Time** [Mar12, Gas99]. **Reality** [Kid97a]. **Realizing** [BK01]. **Really** [Pla16]. **Reasoning** [Jon03]. **Rebuilding** [Sal05]. **Reckoners** [WJ05]. **Recoding** [Rus13c]. **Recognition** [Ano15]. **Recollection** [Gra02a, Kat10, Kee04, Kee05]. **Recollections** [Bau07, Joh02, Kap07, Ros04, Rub06, Sac07, Kid00d]. **Recomputing** [Roe12]. **Reconfigurable** [Est02]. **Reconsidering** [HPR14c]. **Reconstruction** [RDGH05]. **Reconstructions** [Swa05b].

recording [Wei00]. **Records** [Cor09, ORB⁺92, Rop07]. **Recovering** [Med05]. **Recovery** [Sta19]. **Red** [Sta15]. **Rediscovered** [HT12]. **Rees** [Ano98c]. **References** [Ano92e]. **Reflecting** [van19]. **reflection** [Hai03a]. **Reflections** [Gra02b]. **Regeneration** [Gio93]. **Regnecentralen** [Klu99]. **Reign** [Ano92d, Dry18]. **Reimagining** [Alp15]. **Relational** [Dar12, Gra12, Gra13, Gri12, WC12]. **Relay** [Yam19b]. **Relevance** [MA96]. **reluctant** [Gri98]. **Remaking** [GH18b]. **Remember** [Wil06]. **Remembering** [Ano02f, CK13, Hai06]. **remembrances** [BBB⁺98]. **Remington** [Sch08]. **Reminiscence** [Cam03a]. **Reminiscences** [Ber03f, Ran15]. **repeat** [Lee96]. **Replicated** [HC20]. **Replicating** [Bur05]. **Report** [Dod00, Kid96a, vN93]. **Representation** [FC16]. **Reprint** [CK92d, CK01b]. **Republic** [Cor12]. **Repurposing** [Hic08]. **Requirements** [Hen05]. **Rescuing** [Kid99e, Smi99b]. **Research** [AL12, Cor04, Cro92, ERS03, Mor03, ORB⁺92, Spe98, Ber03f, Est00, Klu99]. **Researching** [Cor02]. **Reservation** [Dor94, Ekl94]. **Reservations** [RAG⁺04]. **Reserve** [da 15a]. **ReserVec** [Dor94]. **Reservoir** [Ekl94]. **Resistance** [Sla08]. **Resolution** [Ano95]. **Resources** [Ano16j, Mar02]. **Response** [All19]. **rest** [Lee95e]. **Restoration** [Spi05, Too10]. **Restructuring** [Par16b, Kid00f]. **Results** [Rob19]. **Resurrection** [WI14]. **Retail** [VN11]. **Rethinking** [Cor19a, Cor19b, Sla08]. **Retrieval** [GK02, Mal02]. **Retrospect** [Twe93, Veh99]. **Retrospection** [End13]. **Retrospective** [Spr16, WI14]. **Reunion** [ORB⁺92, LBA00]. **Reuse** [Ano20f]. **Rev.** [Ano97e]. **Revealed** [HW17]. **Review** [Ake00, Ash76, Bal76, Bar03, Ber03d, Bro77, Cer03, Cor98, Dra76a, EMW02, Fie03, Ger04,

Gui99, Kid97a, Kid97b, Kid99a, Lee99b, Mis99, Mor03, Nas75, Nor77, Ole77, Pos00, Rio00, Roj04a, Roj04b, Sei03, Sid20, Smi99a, Smi02, Smi03, Smi78, Smi99b, Spi03, Sza18, Tym99, Wal00, Wei94a, Wil00a, Win03, PM12, Rus16a, Rus16d, Rus17, Roj04a]. **reviewed** [Ano14e, CB19, GH18b, KW19, Rus13b, Rus14b, Rus14a, Rus15d, VM18]. **Reviews** [AC17, Ake98, Ald02, Ann12, Ano97b, Ano97e, Ano97d, Ano97f, Ano00b, Ano03b, Ano04d, Ano08a, Ano08b, Ano09f, Ano09g, Ano10b, Ano11b, Ano11c, Ano11d, Ano11e, Ano14e, BBS06, CK97, CK01a, Cer92a, CFSL92, Cer92b, Cer92c, Cer93, CB19, Con17, Dow09, EA17, GH18b, Hey09, HC06, Kid93a, Kid93b, Kid93c, Kid94a, Kid94b, Kid94c, Kid94d, Kid95, Kid96a, Kid96c, Kid96d, Kid96e, Kid99e, Kid00d, Kid00b, Kid00c, Kid00e, Kid00f, Kid00h, Kid00g, Kid00i, Kid00k, Kid00j, Kid00l, Kid01b, Kid01c, Kid01a, Kid02, KW19, LA12, Lee97, Neb98, Nor98, PM12, Roj03a, Roj03b, RAG⁺04, Roj04c, Roj04d, Roj05a, Roj05b, Roj05c, Roj05d, Roj06a, Roj06b, Roj07, RSCF07, Rus12a, Rus13a, Rus13b, Rus13c, RCP⁺13, Rus14b, Rus14a, Rus15d, Rus15c, Rus15a, Rus15b, Rus16d, Rus16b, Rus16c, Rus17, Smi01a]. **Reviews** [Swe98, VM18, Wei94a, WFE07]. **Revised** [Cop11a, Cop11b]. **revisited** [Old95]. **Revolution** [ES05, Hai01, Pay14, RAG⁺04, Sla08, Tym99, Rus16a]. **REXX** [Cow94]. **rhetoric** [Joh99, Owe96]. **Rhodes** [Tom00b]. **Rica** [VHCSCC15]. **Rice** [Hai10b]. **Richard** [Ano15a, Ano17n, Lee98a, Lee98b]. **right** [Ano17b, Ano17c, O'D09]. **Ring** [Chi14, Nee92]. **Ringin**' [OK07]. **Riordan** [Kid99a]. **Ripples** [Bor08]. **Rise** [Dur10, Gri01b, Mor03, Rub06, Tak05, CCK00, Lee95f, LS00]. **Risk** [Sla15, Ste06]. **Rivalry** [Lew17, SR14]. **Rob** [Hai03b]. **Robert** [Ano99f, Hai04c]. **Roberto** [HC20]. **Rocappi** [Sey18b]. **Rock** [Ano14f, Ano14g, Ano15n, Ano15o, Ano15p, Ano16m]. **Roger** [Wei96a]. **Role** [Cor07, Kid19b, Sat11, O'N95, Puc96]. **roles** [Goy96]. **Rolf** [Ano13h]. **Romania** [Ano99b]. **Rombauer** [Gri03a]. **root** [RG02]. **Roots** [Mol14, Nov11]. **Rope** [GH18b]. **Rosenfeld** [Gui99]. **Ross** [Mor03]. **Rosseland** [Hol96]. **Rough** [Rus06]. **Routing** [McQ09]. **Roxanne** [Sub13]. **Royal** [Gre13, Pee09]. **Rule** [Kid15]. **Rules** [Wes17]. **Running** [Rus06]. **Ruptures** [da 15a]. **Russia** [Kli99, Pro99].

S [Ano98c, CK13, Gri03a, Ros04]. **S-2000** [Ros04]. **S.** [CG94]. **Saab** [Per99]. **Sabre** [CMM95, Hea02]. **sale** [LS00]. **Sales** [Cor15a]. **Salesman** [Cor13, Cor14, Bro99a]. **Salton** [Wei96f]. **Sammet** [SWH18, Ber09]. **Samuel** [Wei92e]. **Sandhill** [RAG⁺04]. **SAP** [Lei08]. **SAPO** [Dur10]. **Sara** [RAG⁺04]. **Saturation** [Cor15a]. **sausage** [Lee95e]. **Saved** [SH19]. **Scale** [Ayl10b, Hei11, JMSV10, KS97, Log98]. **Scales** [WT03]. **Scarcely** [Bru17]. **Scene** [Hod19]. **Schafer** [PM12]. **Schickard** [Kis01]. **Schmidt** [Mis99]. **Schoenberg** [Hai05c]. **Scholars** [Yos01]. **Scholarship** [Ano17n]. **School** [Win96, Cor15a, FH14]. **Schwilgué** [Roe16a]. **Science** [Ano20f, Aum11, Car15, Cro92, Gio93, GH18b, Gup07, Hem19, HC20, JB07, Lon08, Min07a, Min07b, NK98, SW96, Smi78, Spi08, Asp99, DFM⁺99, Est96, Kat97, Kli99, Pro99, Sei03, Ral04, Yam19b]. **Sciences** [RR04, Swe05]. **Scientific** [AW94, DGG⁺08, Gro93, HW17, Est00, Kis99a, Cro99]. **Scientist** [Nyi11]. **Scientists** [AW94, LH95]. **Scope** [Hei11]. **Scott** [PM12]. **Screen** [CHGW17]. **Scripts** [Sin09]. **Scratchers** [Dum94]. **SDC** [Hem14b, Mis16]. **SEAC** [Kir98]. **Sean** [Asp14, RCP⁺13]. **Search** [Ano15g, Ano16b, Ano17f, Ano17e, Bur02, Jon03, McJ17a, Rob19, Mar10a]. **Searching** [SRG02]. **Second** [Neu06]. **Secondary** [AKM08]. **secrecy** [Kid96f]. **Secret** [Wil18].

Secrets [HW17, Mar10a]. **Sector** [WT03]. **Security** [Ano19j, Ano19-45, Ano20p, DeN15a, Fid18, Lap11, Mis16, Sla15, War15, Yos15a, Yos15b, Yos16a, MP97]. **Seduction** [Bak17]. **Seeking** [Ano14h]. **seen** [Kis99b]. **Selected** [NK98]. **Selection** [Lew17]. **Selling** [Mer06, Was13]. **semiconductor** [Kid00f, Law10, LR12]. **Seminal** [CG20]. **Seminar** [Mit08]. **Seminars** [Sey19]. **sequence** [Kis95]. **sequence-controlled** [Kis95]. **Sequences** [Roe15, Roe16b]. **Serbian** [MPDT12]. **Series** [CK01b, ORB+92, Win03, CK92d]. **Service** [Ano15a, Cro99, Hai02, Hai04b, Dav17, De 95]. **Services** [Gra02a]. **session** [Hus97]. **Set** [Hei11, Mal02]. **Seven** [Lee97, Gas99]. **Severo** [Smi03]. **Seybold** [Sey19]. **Seymour** [Ano17y]. **Shape** [Bro10]. **shaped** [Kid00e]. **Shaping** [Ake98, Hei97]. **Shared** [Fev13, Gal11]. **Sharing** [CKGS08, Hai05b, Hem14b, Lee92f, Lee92e, Lew14, Ros92, Rum08, Spi15a, Spi16a, Wie10]. **Shift** [San11]. **Shinkansen** [Has16]. **Shirley** [Spi18]. **Short** [Smi04, Sze99]. **Should** [Shu06]. **shuttle** [Ano99e]. **Side** [Par07]. **Sidney** [Ano17y]. **Sight** [Lap09]. **Sightings** [Ano01c, Ano02e, Ano02c, Ano02d, Ano04b, Asp01c, Cam04, CE02, CE03a, CE03b, CE03c, CEG+03, CRM+04, FC00b, FC01a, FC01b, Gri99, Gri04a, Kit05a, Kit05b, Kit05c, Kit05d, Kit06a, Kit06b, Kit06c, Kit06d, Kit07, KSFY07, KYG+07, KFS+07, KMA+08, KHS+08, Kit08a, Kit09a, Kit09b, Kit09c, Kit09d, Kit10a, Kit10b, Kit10c, Kit10d, Kit11a, Kit11b, Kit11c, Kit11d, Kit12c, Kit12a, Kit12b, Kit13a, Kit13b, Kit13c, Kit13d, Kit14b, Kit14c, Kit14a, Kit14d, Kit15a, Kit15b, Kit15c, Kit15d, Kit16a, Kit16b, Kit16c, Kit16d, WS17, YS12, FC00a]. **Signal** [ES05]. **Silicon** [Ber03d, RAG+04]. **SIM8** [Sta07]. **SIM8-01** [Sta07]. **SimH** [Sup15]. **Simon** [Hey08a, Hey08b]. **Simple** [HS14]. **SIMULA** [Hol94]. **Simulating** [ZR06]. **Simulation** [Bak17, Rei08]. **Simulations** [HPR14a]. **simulator** [Per99]. **Sing** [Ano97d]. **Sinhala** [Nan09]. **Sisson** [Wei96a]. **Sixty** [Kne17]. **Size** [Kis92b]. **Skår** [Ano13h]. **skepticism** [Bow96c]. **Slashdot** [Cer02]. **Slice** [Lun18]. **Slide** [Kid15]. **Slot** [Tur11]. **Slovakia** [DFM+99]. **Slowly** [OK07]. **Small** [CVRM15]. **Smart** [RAG+04]. **Smithsonian** [Dod00]. **Social** [Ano18u, EM94, Ens04b, Lee92i, Par15, Ran14, RP12, Wei08, GC00]. **Society** [Ano17n, Ano17l, Ano18m, Ano18n, Ano19-34, Ano19-35, Asp15, Kid99e, Ano15m, Ano16h, Ano16i, Ano16g, Ano16j, Ano17m, Ano17k, Ano18k, Ano18j, Ano18l, Ano19x, Ano19y, Ano19z, Ano19-27, Ano19-28, Ano19-29, Ano19-30, Ano19-31, Ano19-32, Ano19-33, Ano19-36, Ano20l, Ano20o, Ano20m, Ano20n, Bow98b, Woo95]. **sociological** [Mac95]. **Sociologist** [Sub13]. **Sociotechnical** [Par15]. **Soft** [Tym99]. **Software** [Ber06a, Ber06b, CK97, CK07a, CG06, CG07, Con15, Cor02, Dia16, End04, Ens09, Goe02b, Goe02a, Gra02a, GJ02, Gra03, GJ12, GS04, Hai02, Hai05b, Hai08, Hai09, Hai10b, Hai11, HW17, Hod19, Hum94, Hum02, Joh02, Kap07, Kee04, Kee05, Kne17, Lei08, Lei17, Mah04, Mah08, McD10a, Mer06, Pug02, Sat11, Sch06a, Shu06, Sie10, Sta14, Sta17, Sta19, Wir08, Woh06, Yos15b, Ano02e, Bab97, DV18, Joh98, Kid00d, Pos98, Sha97, Bau06, Lei17, Mag09, Pag08]. **Solicited** [Ano17y]. **Solid** [Gre13, Har99]. **solid-state** [Har99]. **Solla** [Bal76, Bro77, Dra76a, Nas75, Nor77, Ole77, Smi78]. **Solutions** [Hen05, HIIT05]. **Solver** [Fri94]. **solving** [Mar10b]. **Some** [Ber03e, OK07]. **Sonic** [RAG+04]. **Sorting** [Kid00j]. **Source** [Ens04a]. **Sources** [Nel17, Wil98a, Van95]. **Soviet** [Ber03f, CG94, FBK06, Ich06, Lew16, Sta15]. **Sovietization** [Dur10]. **SP_Subscribe_half** [Ano19-46]. **Space**

[Dow04, Low09, Ano99e, Gas99]. **Spain** [FHD17]. **Special** [Ber94]. **Specified** [OB08]. **Spectrum** [CK14]. **Speech** [Mak06]. **Speed** [EM94, WD98]. **Sperry** [GS98, GS01, GS04, GS07]. **Spitting** [Vog17]. **Splitting** [Sha97]. **Sponsoring** [Yos01]. **Spread** [Cor08b, Kid19b]. **Spreadsheet** [CK07b, Kap07]. **Spreadsheets** [CG07]. **Spring** [Shi19]. **SQL** [Cha12, Deu13, HN13, Wad12]. **SQL/DS** [HN13]. **square** [RG02]. **square-root** [RG02]. **SRI** [Par07]. **St.** [Kid00a]. **Stages** [CG20, Uss96]. **Stalking** [Kid98]. **stand** [Bis98]. **stand-alone** [Bis98]. **Standard** [Deu13]. **Standardization** [Mis99]. **Standards** [McD10a, Par16b, Rus06, Rus12b, Sum07, Gur96, Hus97, Kir98]. **Stanford** [Bra13, Gil07]. **Stanley** [BH99]. **Starr** [Sub13]. **Stars** [Ano14f, Ano14g, Ano15n, Ano15o, Ano15p, Ano16m]. **Start** [Ano92d, GJ02, Mor03, Gri98, Kir98]. **Start-up** [Mor03]. **Startup** [Ano15p]. **State** [Cla10, McQ09, Har99]. **States** [Rus13a, Cor97, Jes13, Kid19b, Mir17, Tra19, Tro93, Tro95]. **Stating** [McG12]. **Statistical** [Nik17b, Smi12]. **Statistics** [Alo07, vdE94]. **Stay** [Ano15q, Ano19-47]. **steel** [Van95]. **Step** [CVRM15]. **Stephanie** [Spi18]. **stepped** [Kis99b]. **Sterling** [Bau06]. **Steve** [Gri14]. **Still** [Ben93b]. **Stockholm** [Ges12b]. **Storage** [Hai09, Kat10]. **Store** [Bac09]. **Stored** [HPR14c, Pow19, Rop07, Cer97]. **Stored-Program** [HPR14c, Rop07]. **Stories** [Cor14, Kid99e, Ste03, Lee99b]. **Stork** [Kid97a]. **Story** [Cer14, Dia16, Fel11, Hea01b, Kid99e, Lei08, Lor19, Men13, Pre12, Sup15, Wei94a, Lee95e, McK95, Smi01a]. **Strategies** [Ano15v]. **Strategy** [JMSV10, Lew17]. **Strela** [Ich06]. **Strela-1** [Ich06]. **Stretch** [Bro10]. **Stretch-ing** [Bro10]. **Stripped** [Roe17]. **Structure** [CK97, Est02, JMV10, Roe15]. **Structures** [BS11]. **Struggle** [GS07, Smi99a]. **Student** [Ano17n, Ano18v, Cam13, Mil06]. **Student-Oriented** [Cam13]. **Studies** [Kli11, Mis99, Est96]. **Studio** [OB08]. **Study** [BB02, CK97, Hem19, Hol94, Par07, Lan00, Lee96]. **Studying** [Cor07, Cor15c, Cor16, Cor18]. **Style** [AD14]. **Styles** [Alb14]. **subcommittee** [McK95]. **Subject** [Ano13a, Ano00a]. **Submissions** [Ano20q]. **Submit** [Ano19-53]. **Success** [Ich06]. **Supercomputer** [Lew17]. **Supercomputers** [EM94]. **superconductive** [Ber03f]. **SuperPaint** [Sho01]. **Superscritcher** [CF92]. **Supply** [Kid99e]. **Support** [Cla10]. **Surveillance** [DeN15a]. **Survey** [Geo08, Eck98]. **Survive** [GS07]. **Susan** [Hin18]. **Susanne** [Mis99]. **Sustainable** [Ano19m, Ano19n]. **Svein** [Hol96]. **SW** [Ano19-48]. **SWAC** [Cor08a, HTAY97, Hus97]. **Sweden** [Ges12b, Joh96, LS08, Pet05]. **Swedish** [Joh96, Joh99]. **Swiss** [Kid00k, Neu04, Neu05]. **Switches** [Pau14]. **switching** [Gre95]. **Switzerland** [Bru17]. **Sybase** [Eps13]. **Sydis** [HVB04]. **Symantec** [AC16]. **Symbol** [Maz08]. **Symposium** [Ano20p]. **synthesis** [Sha97]. **Synthesizers** [Col14]. **System** [BH95, Dor94, Doy01, FM93, Gri12, GK02, Has16, Hem14b, Kat10, Kis05, MF93, Nie09, Run08, Sho01, Gas99, Rei97, BV19, Bru09, Ekl94, Kru09, Lee92f, McG09, Wad12]. **System/370** [Wad12]. **Systems** [Ayl10b, Bar05, BH09, Bru09, Coh15, GB09, Gra12, Gra13, Hum94, Kos07, Nik17b, Pee09, Smi01b, SD98, WC12, WG19, Whe92a, Wie10, Wil03, Yos16b, Ari00, Eck98, Hei97, KS97]. **Table** [Ano13i, Ano14i, Ano14j, Ano15r, Ano15s, Ano15t, Ano15u, Ano16n, Ano16o, Ano16p, Ano17-27, Ano17-28, Ano17-29, Ano17-30, Ano18z, Ano18w, Ano18x, Ano18y, Ano19-49, Ano19-50, Ano19-51,

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