

0

0.4 48:15

1

1 24:18; 76:6, 7; 98:25; 99:7; 141:13; 155:16; 159:13; 160:8, 12, 19; 161:5, 21; 162:4, 17; 166:7, 12; 176:20, 21; 178:18; 179:7; 186:4; 191:5, 10, 15; 193:3, 23; 194:23; 195:12, 12; 197:2, 4; 200:25; 201:8; 202:19; 205:12; 208:13, 17; 209:7; 210:2, 6, 9, 15; 213:25; 214:3, 19; 259:17, 23; 263:25; 266:10; 280:12; 281:11; 282:14, 18; 290:4, 25; 307:3; 309:15, 16; 312:5; 313:14, 18; 314:17; 316:3; 318:6
1's 90:25; 91:3; 206:11
1.5 45:8, 21; 46:2, 9; 48:22; 180:16
1.6 294:13
1.89 99:24; 100:7, 20; 101:22; 102:6; 142:2, 3, 4; 254:7
1/10th 285:21
1/30th 251:20
1/5th 282:23; 283:7; 293:21; 294:11
10 67:10; 71:11; 97:9; 161:16, 25; 162:2; 166:19; 176:15; 222:22; 226:22; 256:16; 263:2, 3, 4, 10, 25; 264:11, 18
10,000 79:5, 5
100 161:16, 25; 162:2; 166:19
101 3:3; 207:10, 15
1010 4:18
102 3:3; 207:10; 314:23
103 3:3; 207:10
104 3:4; 207:10
106 315:5
10:25 54:24
10:32 55:3
11 71:11; 221:15; 222:5, 6; 225:8; 226:4
11.7 176:5
11:04 82:8
11:05 82:12
11:44 113:16
11:53 113:19
11th 84:23
12 67:10; 71:12; 99:2, 7; 127:3; 141:13; 147:6; 296:22
12.5 176:5
129 173:6

12:11 127:9, 11
12:15 127:7
12:51 128:4
13 219:12, 17; 221:20; 222:14; 281:11; 284:5; 287:24
13.5 180:2, 11, 15, 20; 181:3
14 3:8; 162:8; 165:24; 166:3, 4, 7; 195:22; 221:20
14th 13:5
15 162:8; 165:24; 166:2, 2, 7; 230:13, 16, 18; 244:18; 256:18; 263:10, 11; 264:15, 18, 25; 266:4
150 181:7
16 116:10, 13; 129:24; 139:6, 7
1628 200:12; 227:17
17 97:21; 145:6; 147:3, 10; 172:12, 14; 197:14
18 95:9; 107:12; 108:3; 110:20; 111:6, 10, 21; 113:4; 120:2, 17; 126:19; 237:2, 14; 240:5, 7
19 230:12, 13; 240:5, 7; 241:10, 11; 243:10
1984 57:7; 193:8
1988 31:18; 73:24; 143:17; 144:9; 145:7, 17; 146:7, 16, 23; 148:3, 9; 155:24; 157:25; 158:4; 160:20; 167:17; 171:11; 185:20; 188:14; 189:3; 190:19; 191:19; 193:13; 194:2; 204:21; 208:21, 25; 235:7; 238:9, 16; 253:14, 23; 254:21; 290:13, 17, 22; 291:2; 318:16
1989 156:3
1990 153:6, 25; 154:8; 156:3
1992 154:17; 155:2, 9
1:19 149:6
1:22 149:9

2

2 46:13; 144:14, 23; 146:4, 14, 21; 150:16; 156:23; 158:10, 11, 23; 159:2; 160:2; 173:18, 25; 177:11; 180:11, 21; 185:24; 190:14; 218:16; 220:25; 248:3, 5, 7; 266:7; 272:7; 275:13; 282:25; 294:19, 21; 310:17, 18; 311:7; 318:6
2,987,614 199:12
2.2.4 176:17
2.3 147:6
2.3.4 145:6
20 14:3; 237:2; 266:6; 273:6, 10; 280:11; 294:17
20.25 180:8, 10, 16; 181:5

200 293:18, 20; 294:3, 9; 296:15
2000 14:16
2001 196:24
2003 5:10
2006 3:8; 14:3, 16, 18; 15:6
20th 10:8
21 79:2, 9, 11, 15; 80:14, 18, 19, 23, 25; 81:8; 92:21; 99:18, 19; 100:15, 16; 101:13, 17; 209:9, 11; 213:25; 294:16, 17
22 268:25
23 216:4, 11; 218:16; 220:5, 17, 19; 221:6; 222:15, 18; 223:2, 22; 224:18
23rd 13:7, 9, 11
24 116:17; 250:24; 275:14, 15; 280:12
25 201:20, 25; 202:4; 242:13; 243:10; 275:13
250 295:15
26 23:10; 55:10; 56:13; 57:15; 138:8; 140:4, 13; 143:6; 144:24; 275:13, 14; 276:19; 284:8; 316:25
27 208:21, 25; 279:7
28 114:9; 219:2; 280:6
2:24 195:4
2:32 195:8

3

3 25:6; 67:10; 79:5, 5; 156:23; 158:11, 16, 16, 23; 159:2; 160:2; 173:18, 25; 177:11; 180:10, 21; 185:24; 190:14; 201:16; 216:8; 217:9; 218:19; 220:8, 11, 23; 221:6, 14, 24; 225:7; 226:3, 14, 19; 231:21; 249:20; 264:25; 266:3; 272:6; 311:7; 313:8; 317:4; 318:6
30 101:25; 102:7; 254:15; 263:5; 280:24; 281:6, 8; 282:12; 283:20
300 79:2, 2, 3, 3, 12, 12; 80:23, 23; 149:23, 23
31 222:3, 7
32 124:5, 8; 125:2, 8; 150:4, 12; 205:16; 243:15, 15
33 132:19, 23; 201:21; 202:2, 4; 206:7; 218:21; 297:15
34 120:19; 126:21
35 114:9; 120:5, 19; 126:23
37 230:17, 18; 244:17
37th 3:22
38 249:20
39 3:21

393 44:13, 15
3:59 253:2
4
4 22:7; 24:9, 18; 25:14; 48:19, 20; 99:17; 106:16; 119:14; 120:12; 122:5; 123:23; 124:8; 125:3, 8; 126:16; 134:3; 141:15; 144:13; 155:16; 156:14; 160:8; 171:24; 172:15; 174:15; 178:16; 181:11; 182:16; 183:12; 184:6; 185:15; 191:5, 11, 15; 194:8, 23; 195:19; 196:25; 201:8, 20; 202:19, 21, 25; 203:5, 10; 204:12, 18, 20, 20; 206:6, 9, 19, 23; 207:6; 210:17; 211:7; 212:7, 16; 213:20; 214:8, 20, 23; 220:16, 23; 249:7; 253:25; 254:5, 7; 318:6
4,300,161 165:8
4,467,473 199:2
4,521,806 200:10
4-3 55:24
40 201:2; 249:21
414945 181:21
42 157:12; 166:7, 12; 181:15; 195:11; 201:9, 17; 217:9; 317:25; 318:6
43 158:21; 171:24; 172:15; 181:15; 182:3; 195:12; 201:9; 202:21; 204:13; 207:6; 210:18; 211:7; 317:25; 318:6, 18
44,100 117:3
45 219:5; 297:15
46 248:12
47 123:24; 248:7
48 225:21; 228:18, 25; 232:11; 240:17; 309:19, 21; 310:3, 7; 311:9, 21; 316:6
49 225:22; 226:24; 227:24; 228:11; 236:17; 237:10; 307:12
4:09 253:6

5

5 72:21, 22; 95:6, 8, 9; 97:21; 105:17; 107:12; 108:4; 109:4; 110:19; 111:6, 9, 20; 113:4; 119:19; 120:2, 13, 16; 126:17, 20, 22, 23; 134:7; 135:23; 144:12, 20; 150:3; 187:7; 264:25; 265:3, 25; 280:24; 281:5; 282:11, 18; 283:23; 294:14, 16
5.75 173:17, 24; 177:10
50 102:4, 8; 105:18; 141:16; 201:2; 254:16; 307:13

51 100:8, 10; 216:8; 254:7; 294:23; 295:3, 3, 9; 296:14, 17
51.03 294:18
55 105:18; 216:8; 293:14; 312:7, 9; 314:3; 315:12; 316:5
551 241:15
552 241:12, 21; 247:6
58 216:8
5:15 306:17
5:19 306:20
5:34 319:19, 21

6

6 72:22; 218:20; 222:22; 241:11; 256:16
60 102:5, 9; 141:16; 220:9, 11; 225:10; 226:5; 254:16
609 182:6, 9; 300:21, 22, 23; 301:3; 302:17; 303:22
62 123:24; 124:8; 125:3, 8
620 268:20, 25
64 155:14; 201:17
65 106:17; 126:16; 310:18
66 13:16, 19; 119:15; 122:5; 126:16; 222:10, 12
69 128:12
6th 57:7; 58:23

7

7 101:7; 149:23; 150:2, 15; 236:25; 241:11, 19, 21; 256:16; 293:12, 12
705 229:22, 25; 241:9; 259:2; 268:24
71 55:18
728 150:11
730 199:14
767 3:15
769 165:10
78 9:5; 10:5; 13:19; 14:2; 15:5; 316:25
79 44:11, 16, 18; 52:6
791 79:25
7971 72:23; 74:16; 75:13; 78:17; 79:15, 25; 80:6, 18; 90:10; 92:17; 98:19; 104:2; 105:3; 106:7; 119:23; 135:23; 136:23; 138:4; 140:11, 20, 23

8

8 116:5; 188:11; 243:15; 244:7, 8
8.625 173:21, 25
80 58:12, 19, 22; 59:6; 161:10, 11, 12; 192:22; 193:9; 241:23; 242:6;

247:7
81 165:7, 11, 23; 166:2,
10; 167:12; 287:15
813 199:4
82 165:13, 21, 23; 166:4,
10; 167:13; 170:6; 179:7;
195:23; 198:6
83 172:2, 9, 11, 16;
175:10, 13; 184:13, 25;
185:10, 14; 197:14; 198:6
839 67:8, 12; 72:18;
215:16, 20; 216:3; 259:16,
23; 260:22; 280:12;
281:10; 290:3; 293:7
84 181:18, 24; 182:2, 7;
183:19; 197:23; 300:20
85 199:2, 5, 7, 23; 200:5;
205:5, 6; 207:3
86 199:11, 15, 17, 20;
200:2
87 155:18; 200:9, 13, 15,
18, 21, 24; 201:7; 202:18;
203:6, 13; 204:22
88 146:9; 148:5; 155:19;
227:15, 18, 20, 22; 247:25;
306:23
88,000 115:7, 14, 20, 25;
124:20
88,200 117:15
89 155:19; 237:15

9

9 95:6, 8; 97:20; 107:12;
108:3; 110:20; 111:6, 10,
21; 113:4; 120:2, 16;
126:19; 221:15; 222:12;
226:15
90 73:23; 95:10, 11;
156:20
91 156:3, 21
94 202:9
945 181:23
959 58:16, 18
995 25:21; 72:19, 21;
95:12; 99:17; 109:5;
110:8; 113:4; 114:8;
119:14; 124:9; 126:9, 15;
132:15; 135:24; 140:4;
141:15; 207:15; 208:6, 13,
18, 23; 213:20; 214:8;
236:18, 20, 25; 253:16, 25;
256:15; 293:9; 294:14;
295:23
9:28 3:7

A

a.m 3:7
A.M.D 72:23; 73:24;
74:15; 78:17; 79:25; 80:6,
18, 24; 81:6; 92:16; 93:6,
8; 100:22; 103:3; 105:3;
106:7; 135:23; 136:23;
138:3; 140:11, 20, 21, 23;

143:6, 10
ability 14:10
able 43:3; 66:24; 84:18;
85:6; 91:16; 112:13;
187:21, 22; 236:22; 238:6;
266:3; 285:16; 286:14;
295:2; 296:7; 299:13
above 29:13; 35:17;
124:2; 178:20
Abraham 200:9; 201:7;
202:18; 203:14; 204:6, 10,
15
Absolutely 87:18;
147:22; 223:16; 276:2
abstract 45:10; 48:18;
168:3; 175:17; 188:2;
205:10; 215:19; 216:22,
23; 217:25; 218:2; 223:20;
224:12, 13; 298:23
abstraction 36:3; 67:4
accept 285:23
accepted 157:24; 190:25
access 34:12; 37:23;
183:16
accessed 266:24
accidentally 81:10
accomplish 219:22
accomplished 83:24;
258:21; 306:8
accomplishing 130:15,
22; 131:17
according 5:16; 122:2;
180:15
account 122:7; 194:6
accurate 14:10, 24; 15:5;
26:11; 36:5; 43:25; 44:2, 4;
48:24; 59:23; 60:7, 11;
65:16; 80:17, 21; 84:18,
19; 93:7; 100:5; 123:12;
124:7; 125:7, 25; 126:10,
13; 129:23; 130:23; 131:3;
133:18, 21; 144:25; 171:6;
221:13; 273:21
accurately 23:23;
128:15; 131:5; 234:19
achieve 52:2; 83:11
achieved 174:7, 13
acquire 150:16, 24;
196:19; 250:16
acquired 156:4, 24;
157:6; 197:9
acquiring 150:15
acquisition 150:18
across 110:4
act 240:10
acted 255:10
action 255:22
actions 256:24
actual 27:17; 58:14;
182:20; 280:14; 286:17
actually 9:25; 23:14;
25:17; 29:7; 50:17; 64:7,
22; 74:25; 86:24; 88:25;
95:6, 24; 112:20; 114:3;
116:10; 118:23; 132:12,

17; 141:17; 144:12;
158:14; 160:24; 162:14;
171:4; 175:3; 176:9;
184:10; 190:6; 196:16;
198:18; 206:4, 5; 218:22,
25; 226:7; 230:16; 234:7;
238:20; 245:10; 264:17;
275:6; 276:17; 278:15;
279:22; 280:6; 284:21;
307:23
Adaptive 44:22; 46:18;
52:6; 97:6; 248:18
add 40:18; 270:4; 275:21;
303:10
added 128:18; 129:21
address 4:17; 97:14
addressed 19:14; 53:21
addresses 35:16; 41:13
adjacent 87:25
advanced 153:13, 15
advancing 278:17
advantage 88:4
AFTERNOON 128:2
again 9:17; 11:14; 43:16;
69:2; 96:17; 133:20;
156:19; 175:12; 181:14;
201:24; 206:3; 243:8;
244:23; 273:12, 19;
310:11; 311:24; 315:18
against 20:22; 29:22
age 250:21
age-old 169:20
ago 52:19
agree 6:3; 12:3; 33:20;
63:5; 87:14; 134:16;
135:2, 6; 163:22; 190:9,
11; 191:13; 193:12, 22;
203:6, 13; 204:6, 10;
210:15; 215:11; 217:18;
218:15, 18; 219:13; 220:2;
223:8; 224:9, 15; 225:6;
226:17; 238:11; 240:3;
243:23; 247:14; 251:25;
257:23; 259:7; 265:5;
267:15; 270:21; 275:18;
283:5; 290:20; 292:2, 16;
296:10; 299:16; 310:3;
312:15; 314:2, 12; 315:11
agreed 168:19; 281:17
agreement 17:12, 19
ahead 24:7; 40:19; 47:16,
19; 67:21; 232:6; 263:23;
279:17; 316:19
air 189:19; 256:13
airplane 34:19
al 165:15; 241:23; 242:6
albeit 250:18
algorithm 45:4, 6; 46:12;
75:9, 14, 20, 23; 76:9, 14,
14, 17, 23, 23; 77:4, 5, 11,
16; 82:16; 88:24; 89:4, 9,
11, 19, 22; 90:23, 24;
91:12; 93:13, 14, 15, 25;
94:2, 10, 16, 18, 18; 95:4,
4; 96:10, 21; 97:24; 98:5;
103:17, 18, 22, 24; 104:10;
106:13, 14; 107:7, 9;

108:20; 109:11, 20;
112:20; 119:6, 9, 19;
120:6, 12, 19; 121:11, 15;
122:4, 7, 13, 16, 25;
126:23; 130:5, 8, 11, 17,
24; 131:2, 2, 6, 10, 12, 14,
15; 132:10; 136:8, 15, 17,
19; 139:18; 140:12, 15, 17;
142:11, 15, 24; 143:3;
152:2; 249:10
algorithmic 103:14
algorithms 75:17, 24;
76:2, 3, 11, 18; 77:12;
82:16; 83:16; 84:4, 4; 88:8;
90:3, 5; 94:3, 6; 97:16, 20,
21, 24, 25; 103:5, 10;
104:25; 106:14, 17, 23;
107:5, 9, 14, 19, 23; 108:5,
7, 24; 109:6, 7, 13, 17;
110:3, 6, 21, 24; 111:11,
13, 24; 112:12; 113:3, 5;
119:5, 13, 15, 25; 120:9,
11, 16, 18, 22, 25; 121:4,
6; 123:6, 7; 124:22;
125:16; 126:8, 14, 15, 17,
19, 20; 131:24; 132:3, 7;
135:18; 139:10; 298:3
aliens 239:12
alleging 20:21
allocation 176:11
allow 93:18
allows 93:21; 219:16;
309:13
almost 125:11; 291:10
alone 41:25; 140:22;
171:11
along 131:21; 154:14;
175:5; 243:5
alternate 220:12; 226:18
alternates 305:6
alternative 28:17, 21
alternatively 78:12;
216:13; 233:12
although 40:17; 187:16;
308:2
Alto 34:16
always 17:6; 42:22;
61:14; 69:14; 151:11, 19,
23; 193:17; 217:21; 257:2
amount 30:22; 31:14;
74:16; 87:14; 100:17, 19;
118:12; 135:17; 174:21,
23; 178:13; 187:10;
262:10, 13; 270:24; 274:5;
288:16; 289:18
amplitude 186:20
amusing 193:18
analog 50:2; 60:9, 21, 24;
61:2, 6, 11, 21; 62:3, 4, 5,
8, 18, 20; 114:23; 115:3, 5;
159:15; 161:3, 23, 24;
162:3, 5; 166:15, 25;
170:18; 174:10, 17, 23;
175:4, 11; 177:15; 178:18,
19, 21; 179:15; 186:5, 9,
17; 187:2, 9; 195:16;
210:12, 20; 211:2, 5, 16;

212:3, 13, 14; 214:2; 290:2
analogous 246:17, 22
analogy 265:8
analysis 46:14; 253:22
and/or 25:24; 30:23;
168:17; 169:7, 16, 22, 25;
248:12; 278:18; 280:20
antenna 66:14, 15; 67:6;
71:18, 19; 72:4
anticipated 82:23
APBU 237:14
APBU00000726 199:14
APBU00000763 165:10
APBU00000807 199:4
APBU00001613 200:12;
227:17
APBU00159385 44:15
APBU00414882 181:23
APBU00414957 58:18
APBU159385 44:12
APBU414882 181:20
APBU414957 58:16
APBU551 241:12
APBU552 241:19; 244:12
APBU620 244:8; 247:2
APBU652 230:18; 246:13
apologies 222:12
apologize 17:15; 139:6
apparatus 219:15, 21;
221:3; 231:8; 312:2;
315:22
appear 51:21; 121:12;
122:19; 155:15; 207:19;
224:13; 279:18, 21
appearance 222:4
appeared 104:21
appears 13:21; 27:8, 16;
51:22; 67:17; 120:24;
193:23; 194:13; 209:20;
228:10; 276:15; 279:20,
23; 302:11
appendix 13:14, 20;
14:2; 15:5
Apple 3:11; 4:2; 55:14;
56:14; 182:4; 196:2, 12;
198:3; 280:9
Apple's 56:23; 57:17, 25;
317:22; 318:5
applicable 186:11;
318:21; 319:9
applicant 228:2, 7;
243:24
applicant's 231:12;
241:24; 242:8; 247:9
applicants 247:14
application 25:20; 208:8,
11, 11, 12; 209:13, 18, 23;
212:18; 213:16, 21, 21;
214:9, 20, 21; 229:15;
240:24
applied 48:14; 49:7, 7,
25; 51:13; 52:14, 15
applies 167:21; 174:16
apply 50:8; 151:22

applying 213:12; 249:4
approach 95:19
approaches 145:11
appropriate 130:21;
198:20; 223:5; 234:25;
252:7; 261:20; 268:7;
291:17
appropriately 268:8
approximate 137:2
approximately 10:19;
13:4; 117:12, 14; 123:24;
124:5; 294:18; 296:15
approximation 97:11
April 154:16; 155:9
arbitrary 89:13, 14
archived 226:11
archiving 236:6
area 26:8, 12, 15; 27:18;
30:2; 36:18; 38:2; 39:17;
64:25; 72:5; 87:15;
146:10; 153:25; 155:23;
158:22; 159:2, 5, 8;
160:15; 168:6; 169:9;
170:3; 175:7; 184:8;
185:24, 25; 188:18; 317:8,
22; 318:24
areas 26:3; 36:20; 87:20;
291:6
argue 91:15; 164:16
argument 61:16; 118:24;
240:11
Arnon 199:2; 207:3
Around 13:5, 7, 8; 39:18;
53:3; 105:17; 119:14;
129:6; 141:2; 179:21;
307:16; 315:25
arranged 90:25
array 47:24; 90:25; 91:3,
10, 10
arrived 31:19; 272:2
Art 23:12; 25:4, 8, 9, 19;
26:7; 27:10; 28:7; 30:25;
33:2, 3; 39:25; 43:10, 11;
47:23; 49:3, 5, 21; 51:4;
69:25; 70:5; 111:22;
112:10; 136:22; 138:2;
143:17; 144:8; 145:25;
146:7, 9, 16, 23; 148:3, 9;
154:11, 21; 155:5, 8, 23;
167:17; 171:11; 191:19;
192:7; 193:13, 25; 196:9;
200:3, 22; 229:15; 235:7;
238:9, 15; 239:17, 21;
257:10; 268:12; 287:2;
290:17, 22; 299:17; 317:5,
8
article 48:25; 165:14;
172:3; 173:4, 5; 176:3, 22;
178:13; 184:15; 197:15
articulated 166:12
artistic 98:15
ascribed 189:2; 206:14
aside 170:18
aspect 39:9
Associate 14:14; 171:12
associated 19:2; 213:17;

240:9, 24; 259:4; 280:3;
297:4, 21; 298:7, 10, 17,
19; 299:2; 300:8, 13, 15;
301:16, 17, 20, 21
association 300:17
assorted 35:23
assume 74:23, 25;
100:12, 19; 101:16;
225:17; 305:24
assumed 19:4; 254:13
assuming 101:21;
168:20; 272:8
assumption 50:7; 297:9
asterisk 103:7
attached 15:4
attachment 128:24
attempt 109:21; 112:21;
126:7; 146:18; 149:16;
276:9
attempted 190:23
attempting 146:22;
310:12
attorney 7:14, 14; 8:15,
18, 20; 10:18; 11:19
attorneys 8:2, 9; 9:20,
24; 18:22; 19:5
attributes 206:14
audio 25:24; 30:23;
31:15, 16, 20; 84:15;
114:14, 17; 118:13; 119:3,
9; 123:13, 18; 124:12, 13;
125:21; 126:21; 134:9;
145:7, 17; 147:7, 23;
151:21; 152:14; 153:22;
163:13, 14; 164:20, 20, 23;
168:9, 13, 17, 18; 169:6,
15, 21, 25; 170:3, 13, 23,
23; 171:2, 7, 11, 13, 18;
191:16; 248:12; 278:18;
280:20, 20; 286:10;
296:25; 297:3, 19, 19, 20,
21; 298:11; 301:23; 315:4,
7
audio-visual 15:21;
202:23; 203:23
audio/video 26:9; 28:13;
29:9; 30:3, 16; 36:21;
153:11; 154:2, 24; 159:10,
19, 21; 160:16, 21; 162:18,
23; 163:23; 164:7, 11, 15;
168:6, 16, 22; 169:2, 7, 12;
170:21; 185:5; 188:18;
191:9; 192:5; 203:7, 15;
204:7; 217:10; 237:22;
257:7; 259:5; 260:10, 14;
268:13; 269:8; 274:25;
277:14; 278:18; 281:4;
282:11, 16; 283:16, 19;
284:12, 19; 285:2, 7;
286:4, 23; 290:8, 12, 20;
292:4, 18, 22; 296:8;
299:20, 25; 317:9; 318:25
August 12:21; 13:2
authoring 89:7
availability 277:12;
284:24; 286:21
available 25:23; 105:2;

111:16; 221:18; 305:10
Avenue 3:16
Average 84:13
avoid 93:2
AVRU11 216:14; 221:20
award 32:13
aware 116:21, 22, 23;
188:15, 17, 25; 190:17, 22;
191:7; 200:2, 5, 21
away 37:10; 103:8; 144:5;
189:15; 190:2; 215:17;
229:20; 234:11, 11;
235:23; 261:24; 273:10
awkward 16:17; 90:21
axis 301:6

B

B 35:9, 22; 37:21; 39:9;
41:14
Bachelor's 27:11; 28:10;
30:6, 7; 33:15; 153:5, 9;
154:14
back 12:8; 13:7; 34:18;
37:14; 43:16; 56:12;
72:18; 81:11, 13; 108:18;
111:7; 113:25; 121:10;
124:12; 128:11; 132:15;
135:21; 139:5; 147:3, 5;
161:6; 168:15; 178:9;
189:23; 195:11; 202:15;
208:23; 210:8; 214:4, 16;
216:22; 218:2; 219:18;
222:25; 225:11; 236:23;
237:20, 23, 24; 239:9, 24,
24; 240:9; 253:11; 254:25;
258:21; 265:10, 19;
268:17; 272:6, 23; 273:9;
278:13; 284:8; 287:13;
290:3; 298:12; 299:8, 21;
300:12; 303:13; 309:10
background 40:23;
85:23; 87:5; 203:18
backwards 115:2
bag 208:4
balancing 29:22
band 63:23; 69:8; 71:8;
170:13; 175:25; 176:5, 8;
305:23; 306:4
bands 176:2
bandwidth 168:2;
173:13, 17, 22; 174:5, 16;
177:10, 12, 15; 178:14
bandwidths 25:23
Based 33:24, 25; 43:18;
44:8; 50:7, 22; 71:9; 93:16;
95:21; 194:12; 211:25;
236:12
basic 6:18; 144:18
Bates 44:14; 58:17;
165:9; 181:22; 199:3, 13;
200:11; 227:16; 245:6
bathroom 149:17, 18
beam 65:9, 10, 15, 16;
67:6
bear 101:14; 270:20

bearing 44:14; 58:17;
165:9; 181:22; 199:3, 13;
200:11; 227:16
bears 181:20
beast 164:14
beasts 71:20
became 155:7
beginning 53:15; 82:12;
114:10; 128:4; 144:12, 13;
157:17; 195:8; 253:7;
273:23
begins 124:4; 130:3;
157:14; 179:17; 237:11
behalf 5:2
behave 46:16
behind 208:13, 17; 209:7;
226:7
beneath 173:11
Bernard 156:14
Besides 8:19; 120:21
best 14:10; 15:8; 58:6;
196:3, 4; 239:11; 250:4
better 17:16; 85:9, 10;
90:12, 14, 18; 91:23;
109:16; 111:18; 112:8;
152:8; 157:11; 189:21;
190:4; 227:11, 11; 275:10;
284:21
beyond 35:20
big 187:14; 285:6
bills 4:24
binary 76:3, 4, 8, 12, 15;
77:13; 78:4, 8, 13; 79:12,
15; 80:20; 82:17, 19, 20,
25; 83:10; 88:14; 90:24;
91:10, 19; 92:2, 2, 98:12,
14; 99:4, 10; 136:20, 24;
137:17; 182:20
binder 55:17
bit 35:21, 23; 39:15; 40:6,
21; 51:12; 80:3, 14, 18;
81:8; 90:21; 92:21; 99:5;
103:8; 104:6; 110:18;
125:19; 137:9; 142:10, 12,
14, 16, 19; 198:16; 215:7;
226:7; 258:8, 12, 13, 15,
16; 261:17; 262:18, 25;
263:3, 4, 25; 264:10, 14,
16, 19, 19; 265:2, 3; 266:2,
10; 267:4, 6, 11, 17; 268:9,
9
bit-for-bit 215:7
bits 35:8; 37:20, 20; 39:8,
9, 14; 41:13; 48:15, 19, 20;
61:17; 75:12; 79:3, 9;
80:23; 81:7, 11, 14, 18;
83:15; 91:9, 11; 98:20, 24;
99:18, 24; 100:16; 101:7,
12, 13, 17; 116:5, 10, 13,
17; 117:8, 11; 132:25;
133:8, 13, 23; 134:13, 13,
23; 135:4; 136:5; 138:5;
143:15; 144:3, 4; 149:23,
25; 150:10, 15, 16; 152:14,
19, 21, 24; 174:4; 180:19,
24; 204:15, 15; 215:3, 12;
236:3, 4; 249:7; 261:16,

19; 262:24; 263:6, 12;
264:25; 266:3, 7, 18, 20,
24; 267:2, 5; 302:23;
303:2; 304:7, 10, 15, 22;
306:4, 5, 9
bizarre 89:7
black 90:12; 137:12, 16,
19, 23; 239:21, 23
blank 87:10, 16
blanket 194:4
block 50:10; 67:2, 3;
76:21; 103:16; 135:11;
302:20; 304:2
blocks 216:4
board 84:11; 315:16
book 164:4, 5, 9; 181:18;
183:21; 184:4, 8, 10;
196:16, 19; 197:5, 24
books 155:15; 156:9, 13
border 91:5
borders 93:22
borrow 224:23
both 3:20; 6:22; 36:11;
39:16; 41:20; 43:12;
63:21, 25; 67:12; 94:16;
120:17; 125:21; 132:11,
12; 139:3, 11; 145:11, 16;
147:11; 152:13; 156:7;
168:18; 174:16, 18, 20;
194:15; 246:15, 17;
293:10; 302:3, 19; 303:24
bottom 105:17; 106:16;
120:11; 132:22; 157:14;
174:11; 179:18; 209:8;
237:14; 241:15; 279:7;
288:9; 307:9
bounced 189:22
box 135:12, 15; 138:18,
23; 140:13, 18; 152:5;
211:25; 218:16; 221:23;
225:10; 239:21, 24;
306:13; 314:22
boxed 316:11, 11
brackets 166:6
break 10:14; 54:19;
79:11; 82:15; 99:18;
113:11, 12, 13; 149:2, 4, 4,
13; 203:12; 261:9; 303:10
breaking 80:19, 24
brief 82:15
briefly 7:24; 45:2; 63:6
broad 108:9; 131:16;
151:24; 191:3
broadcast 65:20; 66:8,
13, 15; 68:17, 24; 69:15,
23; 153:22; 201:3; 255:3,
13; 280:21
broadcaster 256:13
broadcasting 31:11;
175:18; 192:14; 255:11;
256:3; 275:6
broader 96:24; 97:2;
131:22; 171:8
broadly 130:13
broke 78:7
broken 270:23

BROWN 3:25, 25; 4:13;
5:20, 25; 9:18; 11:13, 21;
12:3, 14; 16:24; 22:23;
23:5, 7; 29:19; 44:10;
54:18, 22; 55:4; 58:11;
81:25; 82:5, 14; 113:10,
22, 25; 114:5, 7; 126:25;
127:5; 128:10; 149:3, 10;
165:6, 13; 171:25; 178:4;
181:17; 188:12; 195:2, 10;
199:10; 200:8; 201:25;
227:5, 10; 230:7; 232:16,
23; 233:3; 243:6, 9, 13;
245:10, 19; 252:23; 253:9;
268:24; 291:8, 20; 294:2,
7; 303:7, 13; 306:14, 21;
316:15, 19; 317:12, 17, 20;
319:12, 16
bubble 219:8
buffer 47:3, 3; 181:2, 4;
272:22; 273:2; 306:9, 9,
12, 12
buffers 141:8; 272:19;
273:6; 305:8
build 77:6, 8; 112:21
Building 292:25
builds 77:3
built 46:5
bunch 178:21, 22
Burst 4:4; 8:2, 8; 11:20;
12:17; 24:15, 17, 23;
25:10; 26:4, 12; 30:25;
36:19, 20; 37:2, 6, 9, 13;
55:13; 56:14; 59:10, 14,
15, 25, 25; 60:11, 12; 63:9,
11; 67:17; 71:12, 14;
105:11, 24; 106:6, 12;
107:8, 17; 118:19; 120:10,
21; 121:8; 123:8; 131:7;
132:24; 133:12, 25;
134:11, 22; 135:7, 10;
140:12; 142:25; 143:7;
144:15; 146:5; 154:22;
157:20; 160:4, 11, 15;
161:2, 13, 23; 163:16, 24;
164:8; 169:10, 10; 170:17;
185:3, 25; 186:11; 190:10,
15, 20; 192:24; 193:2;
196:2, 9; 200:3, 6, 22;
205:23; 207:11, 17;
215:15; 219:21; 228:4, 7;
229:14; 230:22; 232:3;
235:8; 241:15; 243:18;
246:2; 253:15; 257:4, 13,
18; 258:20, 23; 259:7;
267:22; 269:22; 274:3, 5,
16; 275:12, 16; 276:15, 17,
18, 20; 277:2, 11, 15, 19,
21; 279:19; 281:5; 284:18,
22; 285:2; 286:16, 19;
290:25; 291:2, 9, 21;
292:2, 16, 20; 299:19;
300:14; 305:13, 15, 17;
306:13; 316:23; 318:21,
24; 319:3
Burst's 7:14; 56:22; 57:6,
17, 24; 59:2; 228:17, 24;
233:10
Burst.com 3:12; 5:3

bursting 258:2
bursts 305:6
bus 83:20; 183:10;
189:10; 262:4, 7, 7, 8;
311:10, 18; 313:5; 314:14,
17
business 75:3
buy 143:11, 13
byte 116:2
bytes 294:5

C

cable 201:4; 203:20, 21,
24, 25; 204:3; 256:14
cables 34:22
calculation 99:22; 100:3
calculator 180:14, 15
California 3:14
call 31:10; 53:8; 64:13,
13; 71:2; 72:13; 76:12;
89:12; 98:4, 6, 9; 124:14,
17; 150:23, 25; 151:23;
153:21; 183:4; 231:3;
234:7; 258:19; 275:2, 4;
289:24
called 4:7; 44:21; 116:16,
23; 181:18; 198:11; 234:9,
19; 318:16
calling 51:9; 74:18; 298:9
calls 46:17
came 12:17; 13:6; 81:8, 9;
98:21; 183:21; 192:10;
198:2
camera 87:11; 98:14;
137:12; 249:22, 24; 250:6,
10, 10; 251:14, 16, 20, 23;
252:2, 4, 8, 10, 12, 13, 14,
17, 17; 256:17; 279:11;
313:11, 13
cameras 250:15
can 12:4, 7, 16; 16:17, 22,
23; 17:3, 13; 27:22; 31:5;
32:2, 7; 33:25; 37:7, 20;
39:21; 40:23; 45:2, 12;
49:12; 50:5; 53:25; 55:5;
60:16; 62:7, 7, 20, 24;
63:18; 67:2, 8; 68:21; 69:9,
22; 70:3, 6; 72:3; 73:14;
74:3, 7, 9, 9, 16, 25; 75:21,
22; 76:7, 24; 77:8, 16;
80:14, 18; 81:14, 18;
82:25; 83:5; 85:8; 87:24;
88:6; 91:4, 4; 92:9, 13;
94:10, 24; 97:8, 13; 98:24;
99:7; 103:14; 104:12, 20,
22; 105:6; 106:24; 107:5;
108:20, 25; 110:2; 112:7;
113:20; 118:3, 24; 119:4;
121:6; 123:9; 125:17;
126:2; 130:24; 131:24;
132:10; 138:24; 139:19;
141:11, 13; 143:10, 13, 25;
156:12, 16; 157:19; 160:2;
164:2, 3; 168:25; 174:21;
176:13; 187:15; 188:21;
189:16, 21; 194:19; 198:8;

203:18; 208:17, 24;
211:24; 215:17; 219:12,
21; 220:16, 19; 223:14;
225:14, 14, 15; 230:2;
235:24; 236:4; 237:4, 19,
24; 238:11; 240:13; 241:2;
244:20; 245:7; 247:23;
251:15, 15, 21; 252:22;
253:19; 255:16; 258:3;
260:21; 261:18, 24; 262:9,
20; 263:17; 264:14; 269:8;
270:4; 271:19, 24; 273:2;
274:5, 20; 275:21, 24;
278:23; 281:23; 282:17,
20; 283:13; 284:10;
285:20; 287:23; 289:11;
296:11; 300:20; 303:13;
308:13; 309:10; 310:15;
316:24; 317:25
cancellation 183:25
capabilities 217:24
capability 216:24;
237:23; 242:7; 247:9
capable 43:8, 23; 44:6, 9;
66:7; 77:12; 78:18; 80:2, 7;
93:8; 100:23; 229:4;
232:19; 233:19; 235:14,
17, 20; 236:11; 237:8;
238:4; 239:8, 19, 22;
240:16; 252:18, 20;
254:21
capture 251:15, 24
captured 254:17
capturing 251:22
care 35:8, 11, 21; 37:16;
41:12; 109:18
Carney 3:20
carried 174:12; 179:22
carrier 175:11; 187:4, 9
carry 34:18
carrying 179:23; 187:3
case 4:21; 7:25; 8:3; 9:2,
8, 12; 10:6, 10, 16, 22;
12:19; 15:17, 25; 16:5, 13,
16; 17:7, 13, 14, 19, 23;
18:6, 12, 15, 19, 20, 23;
19:4, 7, 11, 18, 19, 22;
20:2, 4, 6, 9, 11, 12, 12, 19,
20, 23, 23, 25; 21:2, 5, 19,
21; 22:3, 8, 10, 13, 21;
30:18; 31:7; 49:13; 61:15;
88:21; 99:3; 125:21;
131:7; 168:20; 196:21, 22;
197:3, 12, 18; 198:3;
238:21; 256:17; 259:2;
281:24; 292:14
cases 20:13, 15, 16, 18;
21:20, 23; 22:2, 3, 8;
39:16; 152:13
cast 191:2
catch 115:4; 183:23;
281:22
category 22:12; 26:25;
103:9; 169:21; 318:18
cause 214:13
caution 5:13
Cayuga 4:18

CCITT 75:9, 14, 16, 24,
25; 76:11; 77:11; 82:17;
90:23; 93:18, 20, 21; 94:2,
5; 97:23; 103:10; 104:25;
106:14, 20; 107:8; 119:18;
120:12; 126:16; 142:11;
143:23
CD 116:7, 10, 13; 117:12
CD-ROM 34:18; 220:8,
12, 14
CDs 117:3
certain 24:22; 34:20;
52:14; 144:4; 178:13;
250:21; 262:4
certainly 31:16, 20, 24;
40:2, 24; 49:12, 56:9;
60:17; 66:12; 68:3; 70:10;
71:2; 74:24, 25; 85:9;
100:7; 105:10; 110:15;
113:13; 118:4, 8; 126:3;
136:4; 142:6, 18; 143:4;
147:16; 168:3; 171:17;
194:12; 202:20; 203:17;
211:20; 214:25; 216:18;
219:14; 220:22; 238:23;
251:3; 255:4, 9; 261:8;
279:20; 283:3, 18; 290:15;
292:14; 296:18; 311:17,
19
chance 114:3
change 32:15; 77:4;
81:24; 82:5; 85:18, 23;
94:11; 96:2, 9, 22; 108:21;
110:7; 194:25; 234:3;
252:24; 299:6
changed 14:23; 18:25;
85:14; 242:22, 22; 264:21
changing 97:10, 15;
298:16; 300:8, 11
channel 35:19; 45:8, 21;
48:23; 147:19; 194:19;
305:10; 306:6
channels 203:15, 16
chapter 183:21, 24, 25;
184:11; 194:16; 197:23
character 311:8
characteristic 84:8; 85:2
characteristics 34:24;
84:5; 90:7; 137:6
characterization 6:3;
27:20; 29:16; 69:14;
151:4; 224:2; 258:25
characterizations
137:3; 151:13
characterize 70:11; 71:4
characterized 287:8
Charleane 3:19; 4:9
chart 59:3, 15; 176:11;
196:17
check 23:2, 7; 100:3;
121:10, 14, 19; 176:10;
213:14; 221:10; 250:23;
254:11; 306:15
checked 100:7, 8
chip 72:20, 23, 25; 73:2,
6, 8, 9, 11, 13, 18, 21; 74:3,
10, 16, 20, 25; 75:4, 13;

76:13; 77:21, 25; 78:4, 9,
16, 17; 79:15, 20, 24; 80:2,
6, 7, 14, 18; 81:6, 19;
82:20; 83:10; 90:10, 11;
91:4, 19; 92:17, 22; 93:6,
8, 11, 17, 23, 24; 98:20,
24; 100:23; 101:14, 19;
102:12, 15, 16; 103:20;
104:2, 11, 17, 20; 105:9;
106:7; 119:23; 135:23;
136:23; 139:2, 24; 140:11,
20, 21, 23; 141:6, 10, 12;
143:6, 10
chipmunk 297:10, 12, 14
chips 73:22, 23; 78:14;
79:19; 102:21; 103:3, 23;
104:22; 105:6, 8, 22;
124:23
choice 187:23
choices 92:13; 125:24;
126:4; 165:2
choose 34:25; 126:5;
177:9; 187:18
chooses 96:18; 97:14
Chorush 8:7, 16
chunk 229:8
chunks 39:15
circuit 35:18; 77:3, 7, 9;
105:2
circuitry 48:8, 9; 50:21;
51:2
circumstances 17:4, 6
citation 172:14
cite 53:14
cited 55:14; 56:19; 57:3,
8, 15, 16, 23; 59:14; 166:7;
182:4; 196:2, 8, 12;
197:18; 198:3, 24; 200:3,
6, 22; 241:23; 257:10;
287:2
citing 229:21
claim 19:15, 17, 21;
24:10, 14, 22; 55:12, 24;
56:9, 13; 209:12; 210:2, 6,
9, 15; 212:15, 16, 25;
213:20; 214:3, 8, 13, 19,
20, 23; 259:17, 23; 260:17;
278:2; 281:11; 282:14, 25;
290:4, 25; 291:6, 15, 22
claimed 18:2, 4; 241:25;
242:8; 246:19; 247:9
claiming 247:16
claims 16:16; 207:20;
208:2, 6; 209:15, 17, 20;
213:9, 18; 214:12; 240:25;
246:5; 266:15; 267:21;
268:2; 281:4
clarification 7:9
clarify 5:21; 27:22; 61:2,
4; 83:25; 149:16; 168:25;
206:8; 223:15; 233:5;
277:22; 282:9; 287:14
class 86:25; 97:15, 19;
107:9, 13, 21, 21, 22, 22,
25, 25; 108:4, 6, 12, 12,
14; 111:10, 23; 113:5;
119:25; 120:13, 15;

126:18
classes 123:7; 156:2; 157:4
classical 52:25; 53:7, 9, 11, 13, 19; 54:2, 9, 12; 178:17
classically 34:9
clear 47:17; 75:12; 105:24; 108:14; 109:9; 123:22; 163:3; 169:4; 213:18; 233:2; 234:4; 291:14
clearer 278:13
clearly 31:18; 52:9; 65:16; 70:15; 91:17; 98:10; 123:16; 214:4; 247:15; 254:3; 266:21; 282:25; 285:24; 292:25; 316:5
CLI 46:6
client 272:20; 273:7
clients 269:8; 270:7; 275:23
clip 280:24; 281:6; 282:12, 18; 283:23
clock 180:8, 21; 262:14; 306:3
clocked 204:16; 305:20; 306:5
clocking 203:3, 4; 302:23, 25; 304:6, 10
close 85:3; 127:6; 230:16
closing 84:13, 15
CNN 85:22
code 45:20; 46:2; 150:8
coder 45:19; 46:18; 48:3; 49:11; 51:25; 52:6; 97:6; 248:18
Coders 44:22
codes 151:6; 152:12
coding 45:7; 46:9, 23, 24, 25; 47:21; 48:3; 49:2, 4, 23; 50:12, 14; 52:3, 13; 97:4; 150:7
coefficients 46:15
collection 89:13, 14; 141:23
colloquial 225:5; 251:2
colloquially 116:12; 150:6, 6
color 45:7, 21; 46:2, 9; 74:10; 77:17; 78:7, 20, 22; 80:14, 19; 81:8; 86:13; 90:13; 94:11; 96:2, 9, 23; 98:3; 99:18; 101:8, 13, 18; 108:22; 110:8; 137:13, 14, 14; 141:23, 24; 143:15; 149:23; 150:2, 16
column 57:6; 59:2; 67:10; 71:12; 72:21; 95:5, 8, 8; 97:21; 99:17; 105:17; 107:12; 108:4; 109:4; 110:19; 111:6, 9, 20; 113:4; 119:14, 19; 120:2, 12, 13, 16; 122:5; 123:23; 124:8; 125:3, 8; 126:16,

17, 20, 22, 23; 134:3, 7; 135:23; 141:15; 173:9; 200:25; 201:16, 20; 205:12; 216:8; 217:9; 218:19, 20; 220:8, 11, 15; 221:15; 222:5, 6, 11, 12, 22; 226:15, 21; 228:18, 24; 248:3, 5, 7; 249:20; 253:24; 254:5, 7; 256:16; 280:12; 281:11; 293:11, 12; 294:14, 16; 310:18; 311:7; 313:4, 8
columns 56:21; 57:2, 17, 20, 25; 58:5; 220:23
combination 132:11; 135:19; 138:11, 16; 139:3, 11
combined 40:9
comfort 40:8
comfortable 71:16
coming 31:19; 181:4; 251:19; 285:24
comment 307:5
commercial 109:21; 226:18
commercially 110:10, 11, 13, 14, 22; 111:12, 15, 24; 112:4, 6, 16; 221:18
committee 129:3
committees 129:10
common 83:9; 129:18; 238:14; 250:15; 309:13
commonly 41:20
communicate 163:8; 175:24
communicated 319:2
communicating 235:11; 302:20; 303:25
communication 25:22; 26:8; 28:13; 29:9; 30:3, 16, 22; 35:12; 36:21, 24; 38:12; 40:25; 43:13; 70:11; 144:19; 153:10, 18, 25; 154:24; 155:24; 159:9; 160:16, 21, 22; 163:4, 13; 168:2, 6; 169:12, 23, 24; 170:3, 20, 25; 171:5; 181:19; 184:9, 20, 23; 188:18; 191:8, 16; 194:14; 201:4; 204:3; 276:6; 302:19; 303:24; 305:24; 317:9; 318:25
communications 5:15; 11:7; 26:16, 19; 27:5; 32:20; 33:21; 34:5, 8, 9, 11; 36:8, 10; 37:6; 38:3, 14; 39:4, 7; 40:13; 42:14; 156:15; 170:10; 172:25; 183:20; 184:3
compare 215:7
compared 65:10; 133:14, 23; 134:13; 202:11
compares 110:4; 152:11
comparing 85:13; 210:24
comparison 141:18, 20;

152:12
complaint 17:9
complaints 17:4
complete 47:6, 15; 121:7; 123:5, 6, 10; 126:7, 13; 172:22; 285:6; 286:10, 11, 13, 23; 289:9
completed 261:4; 266:18; 267:3, 7, 8, 13
completely 24:2; 79:6
component 140:16
components 312:13; 314:9; 316:2, 10, 12
composite 316:12
compress 74:10; 102:20; 123:16; 124:18; 125:17; 198:13; 215:3; 297:25; 300:7
compressed 75:10; 92:6, 11; 102:15; 119:4; 120:9; 122:22; 148:16; 150:17; 160:11; 173:18; 177:11, 16; 180:6; 201:3, 8; 202:8, 10, 24; 205:22; 206:4, 4, 5; 207:4, 18, 24; 209:19; 222:23; 242:9; 247:11; 253:15, 24; 259:20, 24; 260:7; 261:12; 266:19; 269:12, 21; 270:3, 6; 274:15; 275:21; 281:15, 18; 282:15, 22; 283:6, 11, 12; 286:11; 288:11; 289:21, 22; 290:7, 15; 298:6; 299:2; 302:14; 303:18
compresses 119:9; 212:21; 213:19; 214:4, 7, 8, 22; 248:12; 288:3
compressing 50:14; 83:17; 177:5; 254:21; 288:16; 290:11; 292:4; 298:15
compression 25:24; 26:17, 18; 27:3; 30:23; 32:18; 38:4, 17, 21; 40:6, 15; 43:13, 21; 45:4, 19; 46:12; 47:24, 24; 49:20, 24; 50:18; 51:3, 10, 11, 15, 19; 52:7, 8, 23; 54:8, 10; 74:4; 76:2, 3; 83:11, 13; 84:3, 4, 6; 88:3, 8, 24; 89:4, 15, 19, 23, 25; 90:2, 4, 4, 16, 19; 91:12, 23; 92:3, 17, 24; 93:9; 94:9; 95:13, 14, 20; 96:10; 97:16, 19, 21, 23, 25; 98:5, 8; 101:18; 102:23; 103:6, 10, 24; 104:10, 25; 105:6, 11, 22, 25; 106:3, 13, 15, 18; 107:7, 13, 18, 23; 108:5, 7, 19, 24; 109:6, 11, 13, 17, 20; 110:3, 11, 23; 111:11, 13, 24, 25; 113:2, 5; 117:22; 118:3, 20, 22; 119:5, 8, 13, 19; 120:6, 18, 22, 24; 121:3, 11; 122:12, 14, 16; 123:8; 124:14, 17; 125:3, 6, 9, 10, 23, 25; 126:8, 14, 17, 18, 22;

130:4, 17; 132:16, 18, 24; 133:5, 9, 12, 19, 22; 134:12, 19, 19; 135:3, 18; 136:2, 4, 8, 8, 16, 24; 137:4; 138:4; 139:10; 140:12, 15, 16, 23; 142:8, 15, 18, 24; 143:2, 8, 12, 22; 145:7, 17; 147:7, 12, 21, 23; 148:7, 11, 17, 23; 149:14; 150:24; 151:2, 11, 23, 25; 158:4; 160:4; 165:15, 19; 166:11; 167:12, 16; 170:9; 172:17; 173:12; 174:12, 14; 175:5; 178:17, 23; 181:10; 182:10, 14; 184:5; 185:2, 8, 8, 9, 10, 14, 15, 20; 186:9; 188:14; 189:3, 5; 190:6, 19; 191:7, 14; 192:4; 194:18, 23; 195:13, 15, 18, 19, 21; 198:12; 202:19; 203:9; 204:11, 17; 205:6, 17; 206:18, 23, 25; 207:18, 24; 209:19; 210:16; 213:6, 16, 19, 22; 214:5, 25; 243:20; 246:9; 248:24, 25; 249:4, 10; 254:3; 288:7; 292:9; 293:4; 294:17; 295:5, 6, 8, 14, 18; 298:2, 3; 304:23; 318:12, 16
compressor/decompressor 106:4, 6, 9; 253:11, 15; 138:8; 140:4; 143:6
comprise 256:19
computation 51:12
compute 48:22
computed 84:20
Computer 4:2; 14:18; 88:14; 135:16; 180:14, 15
Computers 3:11
computes 50:6; 152:11
computing 308:15
concentrate 121:3
concentrated 65:17
concept 131:16; 275:12; 276:15, 17, 18; 277:19, 21; 284:12, 18; 286:17; 291:10, 21; 292:2, 16, 17, 20; 293:4
concern 232:14; 242:25
concerned 36:18; 37:14, 19; 65:19; 81:6; 91:19
conclude 296:18
concluded 232:2; 307:25; 310:13; 319:22
conclusion 45:12, 14; 239:23; 315:19
conclusions 225:3
conference 14:25
confident 17:11; 47:7
confidentiality 16:23; 17:12, 18; 23:3
configuration 48:6; 50:20, 25; 238:21
configuring 238:20

confirm 9:11; 73:14; 126:11
confusing 62:15
Congratulations 14:20
conjunction 38:16; 104:11; 231:24
connect 308:16
connected 307:19
connection 9:2; 15:16, 19; 19:6; 147:17
connotes 267:9
conscious 146:18
consider 39:10; 49:12; 52:7; 59:16; 72:2, 8, 10; 97:7; 98:11; 112:20; 117:20; 118:3, 16, 18; 147:11, 11; 148:18; 149:19; 162:22; 164:6; 226:3
consideration 41:25
considered 55:6; 93:19; 147:22; 155:14
considering 142:5; 249:15
consist 130:24; 180:24
consistent 100:9, 10; 123:13; 223:23; 224:7; 311:24
consisting 89:14
console 308:6, 8, 11, 14, 25; 309:5, 12, 19; 310:2, 3, 7, 16, 17, 19, 24; 311:9, 13, 20, 25; 316:2
constant 29:25; 30:11
constituent 71:6
constitute 154:7
constituted 72:15
constitutes 6:13; 10:12; 277:25
construction 19:16, 18, 22; 55:13, 24; 56:10, 13; 157:18; 228:18, 25; 233:11, 11; 278:3, 16; 291:6, 15, 23
constructions 232:14, 17
construes 280:9
Consulting 22:6; 128:14; 129:22
consume 177:16
consuming 129:17
consumption 270:4; 275:22
Cont'd 128:9
contacted 10:17; 12:20; 13:6
contain 48:25
contained 57:24; 121:7
contains 75:16; 89:21; 123:20; 192:25; 193:7; 209:12
content 52:11, 12; 58:15; 163:17; 164:13, 23; 168:13, 14; 169:6, 6, 25; 170:4; 171:19, 20; 192:19;

298:12, 23
context 52:20; 59:24;
 60:7, 11; 67:7; 69:13;
 85:13; 94:22; 98:7, 8;
 105:11; 118:19; 120:23;
 121:11; 122:19, 20;
 128:20; 130:16; 131:6, 13;
 134:11; 140:12, 25; 141:4;
 142:16, 23, 25; 143:22;
 148:14, 18, 22; 149:14;
 151:21; 159:19; 163:15;
 164:2; 169:15; 189:8;
 192:14; 194:18; 208:7;
 213:21; 218:14; 219:11;
 222:2; 225:7, 18; 226:9;
 234:12; 235:10; 236:21;
 238:24; 239:4; 255:17, 19;
 256:3, 22; 257:16; 267:21;
 279:21; 295:2, 4; 296:20;
 299:18; 302:16; 303:20;
 308:15; 310:12; 311:25;
 315:17
contexts 118:4; 174:20;
 192:4
continue 273:3
continuous 277:7
continuously 273:3;
 305:10
contrast 65:12; 258:3
conventional 119:4;
 120:9, 17; 126:20; 221:8,
 13, 17; 225:7; 226:4, 18
conversation 10:21;
 11:19, 22
conversion 114:23;
 115:3, 6; 123:19; 248:8,
 11, 17
converted 186:16;
 299:21
converter 177:18, 22
convey 61:11; 62:12, 21;
 146:22
conveyed 61:21
conveying 250:25
copies 158:18
copper 35:10; 61:17
copy 9:7; 22:20, 24;
 58:12; 165:7, 13; 172:3;
 199:11; 200:9; 208:4;
 215:23; 216:3, 18, 20, 21;
 218:9, 15; 219:17, 17;
 222:22; 223:2, 5; 226:16,
 20
copying 219:22
core 313:23
corner 208:19
correctly 40:11; 213:14
correlate 174:21
correlated 86:5, 9; 88:2
correlation 84:8, 9; 85:2;
 86:3; 87:15, 20; 88:15;
 89:2, 5; 97:9
correlations 89:21
correspond 92:10;
 301:21
correspondence 206:15

corresponding 94:10;
 95:25; 96:22; 108:21;
 110:7; 173:13
corresponds 150:10;
 193:2
cosine 46:13, 15, 19;
 76:23; 103:13
counsel 3:24; 5:15, 22;
 11:7; 188:10; 194:25;
 317:22; 318:5; 319:6
Counselor 193:5
couple 232:10; 303:9;
 316:18
course 8:3; 23:15; 30:19;
 154:5; 156:8, 13, 15, 21;
 185:7; 220:13; 251:7;
 262:2
Court 3:13, 18; 4:6; 6:21;
 7:2; 17:5; 55:23
courtesy 7:5
CPU 105:14, 25; 138:25;
 312:17; 314:13, 17
CPUs 143:12
crazy 112:17
create 226:20
created 89:6
creates 66:14
creative 279:8, 13, 14
CRT 289:5
curious 31:22
current 4:17; 21:21;
 30:12
currently 116:13
custom 48:8
custom-designed
 139:2, 4
CV 13:21, 23; 14:3, 9;
 15:4; 16:11; 20:2; 22:5;
 128:11, 18, 19, 22; 129:8,
 17, 19; 153:4
CVs 128:25

D

D 123:18; 177:18, 22;
 251:21
D-MAC/Packet 172:4, 7
DAB 153:21
dashed 307:25; 309:21;
 310:13, 13
data 46:10; 49:17; 60:13;
 73:3, 6; 74:13, 15, 18;
 75:2, 3, 4, 7, 8, 10, 11;
 76:15; 77:24; 78:3, 18, 20,
 21, 22; 81:4, 5, 16; 82:25;
 83:5, 9, 14; 84:6, 25; 85:2,
 3, 4; 88:24; 89:20; 94:10;
 95:25; 96:21; 98:17, 25;
 100:14, 17, 19, 24; 102:11,
 14; 108:20; 110:6; 118:6,
 13; 119:2, 4, 9; 121:3;
 122:12, 14; 126:21; 133:4,
 8, 22; 134:3, 12, 19; 136:9,
 10, 11, 24; 137:5, 25;
 141:25; 150:8; 151:22, 22;

152:15, 25; 174:21, 24;
 175:4; 181:19; 183:19;
 184:3, 9; 185:8, 10, 13;
 187:15, 21, 24; 195:15, 18,
 19, 21; 210:25; 211:4, 8;
 212:10, 21, 22; 213:2, 3, 6,
 15, 19, 22; 214:4, 23, 25;
 215:3, 3; 248:13, 13;
 249:6; 254:6, 16, 21;
 261:22; 265:16; 268:13;
 270:18; 273:11, 19; 292:9,
 18, 22; 293:4; 294:17;
 295:6, 8, 18; 298:3; 305:7,
 11, 14, 20, 21; 311:8, 12,
 16; 314:14
data-compressed 290:8
database 88:13; 198:10
databases 198:17
date 3:5; 44:17; 58:20;
 165:12, 22; 172:10;
 181:25; 199:6, 16; 200:14;
 208:24; 209:5; 227:19
day 12:20; 32:9
days 84:13
DBS 153:21; 172:5, 7;
 175:19
deaf 164:18
deal 35:13; 39:9; 165:3
dealing 97:4
deals 39:12; 168:9; 317:4
December 208:21, 25
decide 234:3; 244:15
decision 104:7
decisions 95:21; 124:21;
 125:15; 164:24, 25
decks 219:23
decompress 122:21
decompressed 91:13,
 20, 20
decompression 122:19
decreases 29:4
deepen 83:25
define 90:14, 18; 91:22;
 124:17
defined 79:2, 9; 130:13;
 136:3; 144:8; 145:25;
 155:8; 160:15; 170:17;
 180:7; 183:12; 193:25;
 202:21; 204:12, 18, 19;
 205:16; 210:17; 213:7;
 215:2; 258:8, 23, 25
defines 131:5
defining 124:6
definitely 85:10; 190:11
definition 33:4; 39:25;
 41:8; 43:10; 59:10, 17, 20,
 22; 60:3, 6, 8, 19; 130:7,
 20; 132:18; 134:18;
 154:10; 160:25; 161:3, 5,
 13, 15, 20; 168:19; 171:23;
 178:18; 185:15; 186:4, 11;
 191:4; 192:25; 193:3, 11,
 22; 194:10, 11, 13; 202:25;
 228:16, 22; 229:3; 231:14;
 255:15; 279:12, 21; 309:6
definitions 185:18, 19;

190:17, 18; 191:5, 6;
 232:10; 233:7, 9, 17;
 240:16; 318:21, 23
definitively 21:6; 224:21
degrade 89:10
degree 27:11; 28:10, 17,
 21; 30:6, 7, 12; 31:2; 32:5;
 33:15; 41:2; 153:5, 9;
 154:9, 15, 17, 22; 155:3;
 192:13
delay 35:5; 189:14;
 255:23; 256:12
delays 35:4, 13
Delco 153:12; 154:3
deliberately 150:3
delineate 138:24; 316:5
delineated 154:6; 229:12
delineation 30:11; 61:5;
 224:8; 246:7; 274:10
deliver 278:7
delivered 276:21; 277:6
delivering 39:18, 19;
 43:4
delivery 39:22; 66:13;
 274:24; 277:7
delta 119:5, 8; 120:6, 18;
 126:22
Dennis 165:14
deny 73:14
department 129:2, 19
departmental 129:5, 9
departure 277:6
depend 174:25; 192:9
dependent 163:7
depending 129:16;
 241:21
depends 32:6; 36:13;
 65:20; 76:19; 77:6; 88:17,
 24; 117:25; 122:3; 187:11;
 285:11
depicted 302:3
depicting 183:4
depictions 301:6
deposed 20:6, 8
Deposition 3:3, 10, 15;
 5:5, 11; 6:6, 18; 15:13;
 33:8; 43:19; 44:16; 58:19;
 165:11, 21; 172:8; 181:24;
 199:5, 15; 200:13; 227:18;
 319:22
depth 43:20; 100:16;
 125:19
describe 25:8; 28:5;
 29:2; 31:5; 36:25; 45:2, 9,
 11; 46:9; 47:11; 48:2, 4,
 50:17; 63:11, 14; 66:24;
 84:7; 94:17, 18; 95:13;
 97:19; 103:3; 106:12;
 118:21; 120:22; 124:9;
 125:10; 131:23; 135:7;
 139:9; 140:9; 143:7, 9;
 145:11; 146:5, 8; 151:25;
 158:3; 164:21; 178:15;
 194:17; 198:8; 211:16;
 234:18; 257:4, 19, 24;
 258:2, 2; 274:3; 275:12,

18; 276:18; 279:25;
 318:13
described 33:24; 39:5;
 40:3; 41:7, 16; 45:25;
 47:22; 63:8; 68:17; 71:11,
 14; 72:21; 74:10; 78:18,
 21; 80:13, 16; 86:3, 8;
 95:20, 24; 98:4; 99:16;
 100:23, 25; 102:12, 24;
 103:14; 106:15; 117:11,
 21; 118:5, 8; 120:7; 125:2,
 8; 126:8, 14, 19, 21; 130:4,
 23; 134:4, 8; 141:2, 15;
 145:11; 149:22; 150:7;
 167:12; 174:9, 15; 176:3;
 177:17; 178:22; 182:16;
 183:6; 184:5; 191:14, 22;
 203:7, 9; 206:23; 219:15,
 21; 221:8; 231:19; 240:20;
 241:6; 242:7; 247:8;
 248:17; 250:5; 253:14, 16,
 24; 254:5; 257:17; 274:4;
 276:7; 279:9; 291:22;
 295:4, 22, 23; 302:17;
 303:22; 305:23; 309:19;
 315:3
describes 45:3, 6; 46:11,
 13, 17; 47:2; 49:22; 51:10;
 60:9; 68:3; 72:23; 101:25;
 108:19; 111:6; 113:4;
 114:13, 16; 115:6; 117:24;
 120:11; 123:20; 132:3, 6;
 158:16; 170:22; 178:23;
 184:19; 203:14; 205:15;
 210:6, 15; 219:4; 240:12;
 248:5, 23; 249:3; 269:3;
 287:21; 288:25; 293:14,
 17; 304:21; 305:5
describing 47:23; 94:19,
 21; 95:3, 14, 17; 97:24;
 107:13; 118:20; 120:25;
 125:9, 20; 147:4, 17;
 167:9; 174:3; 175:10, 13;
 176:22, 25; 177:5, 14;
 178:13; 179:13; 180:18;
 181:9; 182:10; 184:16;
 206:17; 216:24; 218:21;
 219:12; 288:15
description 26:11; 36:6;
 47:6; 75:23; 76:10; 93:11;
 112:3, 8; 118:2; 143:11;
 174:10; 178:17; 182:13;
 183:10; 184:4; 189:10;
 206:19; 221:14; 226:15;
 231:8, 23; 238:2; 316:6
descriptions 235:21;
 318:5, 8, 11, 20; 319:4, 8
descriptive 280:2, 3
design 48:8; 67:6; 92:13;
 96:18; 104:3, 7; 109:10,
 11; 112:10; 125:15;
 164:22, 25
designed 82:20, 24;
 84:5; 89:2, 11, 22; 90:5;
 98:7; 136:15, 18, 19;
 187:13
designer 92:11; 95:18,
 20; 97:14; 104:5, 9; 126:3
designers 269:20;

274:15
designing 141:4
destination 234:10;
 236:2, 4, 22; 237:12;
 240:22
detail 41:23; 278:24
determine 207:17;
 209:18; 253:22
develop 250:13
developing 31:12
developments 31:24
device 71:21; 221:7;
 226:10; 229:4, 9, 11;
 230:24, 25; 231:14, 22;
 232:19; 233:19, 21;
 234:23; 235:3, 19; 237:7;
 239:18; 240:18; 242:2;
 251:24; 252:7; 283:3;
 308:16; 310:8, 9; 312:10,
 12, 17, 18; 313:7, 10, 16,
 22, 22; 314:4, 6, 7, 13;
 315:12, 20, 25
devices 228:12, 12;
 232:4; 236:22; 237:12;
 240:19, 22, 25; 241:2, 2, 5,
 5
diagram 50:10; 67:2, 3;
 135:11; 302:20; 304:2;
 306:11
dial 187:21
diaphragm 76:22
Dictionary 57:7; 58:9, 13,
 15, 22, 25; 59:7, 13, 20;
 192:22; 193:15, 17, 23;
 279:12
difference 34:6; 152:12;
 309:4
differences 64:4; 151:7;
 152:11; 229:14
different 18:3, 5; 60:22;
 66:15; 68:4; 71:19; 75:17;
 78:14; 79:12; 83:14, 15,
 16; 86:14; 88:13; 90:6;
 94:23; 96:5, 8; 110:14;
 129:16; 147:14; 160:5;
 164:10, 14, 17, 25, 25;
 165:2; 171:21; 213:3;
 215:4, 8, 8, 12; 219:5, 18;
 223:10; 232:10; 239:25;
 301:24
differentiate 96:14;
 98:17
differently 15:3; 61:17;
 64:8; 80:5; 110:18; 111:3;
 163:10; 171:22
difficult 188:2; 210:22
digital 25:22; 26:8, 15,
 19; 27:4; 28:13; 29:8; 30:2,
 15, 22; 31:18; 32:20;
 33:21; 34:5, 7, 9, 15; 36:7,
 10, 21, 24; 37:6; 38:3, 12,
 14; 39:4, 7; 40:13; 41:10;
 42:14; 43:4, 12; 60:13;
 61:5, 11, 20; 62:2, 7, 7, 12,
 16, 21; 86:11; 114:23;
 115:3, 6; 141:5; 144:19;
 145:7; 147:23; 148:15, 18,
 23; 153:10, 19, 22, 25;

154:24; 155:23; 156:15,
 22; 158:17; 159:9, 20;
 160:12, 16, 22; 169:12;
 170:19; 172:18, 23, 24, 24;
 174:17; 175:6, 10, 14;
 176:25; 177:6, 17, 20;
 178:14; 179:24; 181:10;
 182:17; 183:7; 184:22;
 185:5, 5, 16; 186:6, 14, 24,
 24; 187:3, 6, 7; 194:14;
 195:20; 205:7, 20; 206:13,
 20; 210:7, 10, 25; 211:4, 6,
 8, 16; 212:8, 10, 21; 213:2,
 3; 222:23; 226:16, 20, 21;
 250:18; 274:24; 317:9;
 318:24
digitally 174:8; 179:22,
 23
digitization 123:15;
 124:9, 13, 25; 125:5, 22;
 134:2, 4, 9, 15
digitize 50:9; 143:21;
 150:24
digitized 48:15; 49:8;
 79:4; 114:23; 118:15;
 123:17; 142:6; 149:20;
 150:14; 202:8, 24; 249:8;
 250:8, 17; 305:25; 306:4
digitizing 48:22; 49:16;
 50:2; 114:16, 19; 251:19
digits 106:20
dimension 183:15
dire 16:22
direct 17:21; 23:18;
 175:18; 280:17
directed 65:11; 229:10
direction 305:7
directional 64:25
directly 80:7, 11; 178:20;
 193:21; 243:18
 DirecTV 65:24; 196:21
disagree 27:19; 223:25;
 277:24
disagreeing 69:13
disagreements 259:12
disclaimer 277:25
disclose 49:10; 50:16,
 17, 25; 51:2, 3; 228:8
disclosed 50:19; 123:7;
 247:15; 296:10
discloses 49:20; 204:6;
 287:3
disclosure 49:2
disclosures 55:13; 56:14
discount 308:10
discoverable 5:17; 6:2;
 11:8
discrete 48:9; 103:13;
 147:18; 205:21
discuss 93:17; 131:10;
 226:25; 275:8
discussed 22:9; 128:13;
 134:2; 136:10; 141:9;
 152:19; 159:9; 161:22;
 192:11; 196:23; 214:5;
 223:9; 260:6; 281:13;

287:2; 290:19; 292:10;
 296:2; 299:16; 300:17
discusses 123:18;
 124:3; 220:17; 226:15;
 229:14
discussing 75:21;
 110:20; 168:11; 182:15;
 215:6; 241:16
discussion 37:10;
 113:24; 211:20; 213:15;
 225:18; 241:18; 274:8
disk 219:8; 221:2; 286:2
disks 219:9; 220:17, 18,
 19
display 252:15; 289:18;
 307:12; 309:22; 310:4, 24
displayed 251:8; 289:3
displaying 251:12
dissemination 53:23
distance 189:21
distances 31:17
distinction 65:5; 67:18;
 107:24; 108:11; 150:22;
 163:3, 11; 164:19; 228:11
distinguish 68:21
distinguished 228:3;
 230:22
distinguishing 231:12
District 3:13
disturb 245:21
divide 296:13
divided 205:21
Division 3:14
document 44:11; 55:22;
 56:4, 9; 93:16; 165:9, 18;
 172:6; 181:22; 199:3, 13;
 200:11; 227:16
Documents 3:2; 17:5;
 44:14; 58:17
done 6:19; 7:25; 21:12;
 46:23; 48:14; 50:5; 69:9;
 96:5; 104:2; 105:25;
 106:3; 125:20; 192:20;
 214:18; 253:22; 254:3;
 291:11; 299:12; 306:12;
 319:17
dotted 307:16; 312:4, 5;
 314:2; 315:10, 25; 316:4
double 117:6, 7
Dow 84:12, 16
down 10:14; 66:12;
 104:2; 120:5; 126:6;
 145:15; 147:10; 151:18;
 219:4; 222:10; 280:10;
 288:9
downlink 70:13
download 223:21;
 224:17; 225:2; 226:9;
 275:4, 7
downloading 222:13;
 223:11
DPCM 145:7, 16; 147:4,
 11, 22; 148:9; 151:5, 6, 11,
 15, 22, 24; 299:6
Dr 11:8; 55:5; 233:5, 6;

245:14; 316:22
draw 76:21; 151:15;
 225:3
drawing 67:18; 228:11
drew 84:11; 107:24;
 108:11
drive 220:25; 224:18
dropped 117:17
dropping 117:20; 118:22
DSP 139:2, 24
due 52:10
duly 4:8
dump 275:5
duplex 194:15, 18;
 302:18; 303:23
duration 159:14, 15;
 162:2, 5, 6; 166:15, 16;
 183:17; 195:16, 17;
 202:11, 12; 258:7, 7, 19;
 287:22; 288:3; 296:18
during 8:3; 9:24; 10:5;
 30:19; 43:19; 196:21;
 202:10; 228:3; 243:23

E

e.g 119:5
earlier 15:12; 61:7; 98:19;
 121:12; 128:13; 135:10;
 143:14; 159:9; 184:16;
 192:11; 196:23; 205:16;
 218:17, 24, 25; 240:5;
 244:11; 248:21; 260:3;
 268:13; 278:2; 301:2;
 313:9; 317:21; 318:4
earliest 209:5
early 157:9
earth 70:10; 109:10
easier 177:23; 230:11
easiest 144:2
easily 160:2; 188:6;
 315:21
eat 265:18; 286:8
eating 265:15
echo 183:25
EchoStar 21:8
edit 282:24, 25
edited 246:22
editing 122:20; 218:5;
 231:8; 312:2; 315:22
Edition 57:7; 58:23;
 193:7
editor 217:19
editor/transceiver
 217:11, 15
educated 85:10; 193:16
education 27:9; 28:5;
 30:7
educational 29:2, 22
effect 150:3; 177:8;
 180:25; 186:25; 187:8
Effective 14:11; 83:16;
 173:12
effectively 179:12;

180:19
effects 189:15
efficiency 88:23
efficient 190:8
Efficiently 167:25
effort 146:18; 272:18;
 279:14
efforts 15:9
either 16:20; 38:13; 39:5;
 42:16; 53:19; 66:21; 87:7;
 94:19, 21; 95:3, 15, 17;
 102:25; 108:15; 137:11;
 139:10; 178:11; 196:2;
 201:8; 202:19; 211:16;
 220:25; 246:23; 256:13;
 303:8; 305:25
elapsed 272:25
Electrical 14:18; 28:10;
 30:2; 32:22; 34:22; 41:21;
 61:3; 138:20; 154:23;
 155:3; 192:12
electromagnetic 34:22
Electronics 57:7; 58:9,
 13, 23; 153:13; 192:23;
 193:24
Element 241:23; 242:6;
 247:8; 259:18; 282:17;
 283:14
elements 235:17; 282:20
eliminate 160:2
eliminated 150:3
eliminating 142:14, 16;
 158:23; 160:12
elimination 142:19
eloquent 275:9; 303:3;
 304:13
else 8:14; 9:2; 21:17;
 54:17; 128:22; 129:14;
 143:18; 163:18; 240:14;
 258:11; 316:7
elsewhere 152:7; 226:10
EMAMI 4:7; 128:6
embodiment 114:10;
 220:24; 221:5, 6, 17;
 222:3; 226:19
Empire 292:25
employ 85:8
employed 4:20; 12:17,
 18; 103:5; 106:18; 119:16;
 152:17; 205:2
employing 4:23; 152:18
employs 205:3
enable 35:12; 106:18;
 277:13; 284:25; 292:24
enabled 39:20; 286:21
encoder 151:15
encoding 96:9
encompass 112:12
encompasses 280:19
encompassing 110:25
encountered 136:21
end 28:4; 35:20; 45:5, 16;
 55:7; 130:15, 22; 131:17,
 19; 132:9; 152:20; 237:11;
 259:14; 263:5, 24; 265:19;

20; 266:11; 267:18; 268:2;
271:24; 273:17; 275:12;
281:14, 22; 285:8, 11, 16,
22; 286:6, 12; 296:6; 305:9
ended 273:16
ending 82:8; 127:9;
195:4; 213:25; 253:2;
319:19
ends 95:9; 144:24;
176:18; 267:10; 268:3
energy 65:17
engine 73:16; 93:20
engineer 31:23; 41:21;
61:4
Engineering 14:18;
28:11; 30:2; 31:10; 32:23;
154:23; 155:3; 192:13
enhanced 217:22; 238:3
enough 5:24; 8:19;
51:14, 20; 73:12; 74:2;
80:17; 88:20; 107:4;
108:10; 109:23, 24;
110:17; 117:2; 136:17;
184:12; 187:5; 198:19;
225:6; 265:18, 20; 285:6;
296:5; 300:4, 4; 301:24
ensue 249:7
ensure 15:9
entire 42:21; 48:12;
76:23; 95:7; 108:4;
141:23; 176:10; 257:5, 20;
259:8; 260:3; 267:9;
269:13; 270:14; 275:5;
276:20; 277:5, 23; 281:8,
25; 283:15, 17, 20, 21, 25;
284:11; 285:8; 286:4;
287:5; 289:20; 315:22
entirety 184:17; 281:19;
282:5; 286:6; 297:3
entities 35:15; 151:9;
310:14
entitled 55:23; 165:15,
18; 172:4, 6; 228:24
entity 97:5; 231:6, 9
environment 32:11
equation 263:17; 270:5;
275:22
equipment 187:17;
308:13; 309:13
equivalence 166:24
equivalent 91:14, 18;
123:21; 241:24
erased 84:14
erroneous 258:24
error 84:20; 151:18
error-prone 35:3
esoteric 146:25
especially 311:25
essentially 30:4; 49:15;
65:21; 148:21; 189:11;
226:16; 251:23; 256:11
established 190:14
estimated 295:14
et 165:14; 241:23; 242:6
even 35:15; 50:12; 53:22;

71:5; 78:15; 82:24; 85:7, 9;
142:12; 148:4; 150:20;
162:17; 164:15; 194:13;
234:8; 289:24
event 115:5; 294:8
events 66:25
Evidence 56:22, 23;
57:6, 17, 17, 25, 25; 59:2;
87:24
evolution 208:9
exact 302:6; 303:5
exactly 30:5; 60:18;
82:22; 91:2, 11; 115:21;
116:16; 117:7, 15; 118:25;
179:24; 224:21; 257:11;
307:24; 311:3
EXAMINATION 4:12;
128:9; 316:20
examined 4:11
Examiner 241:24
example 31:13; 34:14;
50:11; 57:5, 11; 58:8;
76:22; 78:25; 85:12, 21;
86:2, 10, 19, 25; 88:8, 10,
13; 89:3; 90:9; 93:5; 97:6;
103:10; 105:3; 106:21;
107:3, 6, 10; 108:25;
119:22; 124:23; 137:12;
139:24; 145:6; 149:20;
158:11; 160:24; 168:9;
177:9; 184:25; 186:15;
198:13; 204:22; 205:2, 3;
218:19; 220:7; 223:11, 22;
224:12; 231:20, 22;
248:16; 251:18; 255:24,
24; 257:9; 274:11; 278:7;
279:8, 10; 280:24; 281:5;
287:3; 297:15, 17; 312:4,
5; 313:7
examples 28:9; 105:6,
18; 106:5, 8; 107:18;
145:4; 149:21; 158:7, 10;
162:17; 219:7; 220:4, 23
Excellent 37:3; 83:22;
133:11
except 15:2; 17:3; 22:2
exception 164:18
excess 102:4
exclude 38:6, 7; 112:17
Excluding 113:2
excuse 117:24; 120:15;
131:10; 194:24; 319:5
executed 12:22, 22
exercise 131:22; 279:13
Exhibit 3:3; 9:5; 10:5;
14:2; 15:5; 44:11, 16, 18;
52:6; 55:18; 58:12, 19, 22;
59:6; 67:9; 161:9, 10, 12;
165:7, 11, 21; 166:4;
170:6; 172:2, 9, 11, 16;
175:10, 13; 179:7; 181:18,
24; 182:2, 7; 183:19;
184:13, 25; 185:10, 14;
192:22; 193:9; 195:23;
197:14; 199:5, 7, 11, 15,
17, 20, 23; 200:2, 5, 9, 13,
15, 18, 21, 24; 201:7;

202:18; 203:6, 10, 13;
204:22; 205:5, 6; 207:3,
15; 227:12, 15, 18, 20, 22;
247:23; 287:15; 300:20;
306:23; 316:25
Exhibits 24:18; 165:23;
166:10; 167:12; 198:6;
207:10; 245:12
exist 282:4; 285:14
existed 112:13
existence 282:4
exorbitantly 292:11
expanded 217:2; 288:11,
12
expanse 302:10, 12
expect 41:2; 48:3; 50:16,
19; 78:22; 79:7; 86:7; 89:4,
15; 90:6, 11; 136:23;
138:3; 141:5; 238:6
expectation 136:13;
152:22
expectations 136:14
expected 144:5; 236:22
expenditure 279:14
Experience 14:14; 27:9,
12, 17, 20, 23; 28:6, 12,
18, 22; 29:4, 8, 15, 22;
30:4, 8, 10, 15, 21; 31:3, 6,
9; 32:3; 33:11, 17; 38:10;
41:5; 153:9, 24; 154:7, 13,
23; 155:4
experienced 31:11
experiences 154:3;
187:17
expert 4:20; 9:7; 13:20;
15:24; 16:2; 19:10, 18, 24;
20:3, 13; 21:12, 24; 22:6,
16, 20; 23:10; 25:6; 34:4,
5; 55:5; 56:18; 57:14, 22;
59:17; 66:3; 90:16;
110:15; 128:13, 15, 20, 24;
129:22, 25; 131:5; 132:20;
144:12; 146:4; 154:12;
157:12; 165:25; 166:4;
169:3; 172:12, 15; 182:3,
16; 189:4, 11; 191:15;
198:25; 199:21, 24;
200:19; 201:9; 204:13;
206:7; 207:6; 210:17;
211:7; 226:23; 227:24;
291:16, 23; 296:22; 307:6
expertise 32:14; 40:3
explain 7:21; 27:21; 51:6;
84:9; 101:5; 177:23;
276:9; 295:6; 315:24
explained 290:11
explaining 42:11; 83:19,
23
explanation 84:2
explanations 34:2
explicit 186:8
explicitly 168:8, 12
explode 81:15
exploiting 97:8
exploits 88:11
Explore 198:11

expressly 50:4; 60:3;
104:20; 295:17; 299:16
extent 32:7; 39:20; 49:10;
52:24; 73:3; 123:17;
192:10, 20; 205:3; 206:12;
265:13
external 228:12; 229:4,
11; 230:25; 231:13; 232:4,
5, 18; 233:19, 21; 235:3,
11; 315:20
extracted 288:12
extremely 17:4; 83:24;
292:14

F

face 58:21
fact 9:11; 13:23; 15:24;
29:24; 47:7; 61:14; 66:3;
81:2; 87:23; 88:4, 11;
117:10; 141:11; 152:23;
162:17; 185:4; 194:12;
204:14; 220:10; 234:5;
237:24; 238:4; 253:19;
260:18; 268:16; 277:24;
295:12; 312:16; 315:10
factor 71:23; 173:18, 24;
177:11, 12; 180:10, 21;
187:2, 7; 288:7
failed 276:9
Fair 5:24; 8:19; 27:2;
70:25; 71:9; 73:12, 17;
74:2; 80:17; 88:20; 101:9;
107:4; 108:10; 110:5, 17;
113:7; 117:2; 129:7;
136:17; 151:4; 184:12;
187:5; 198:19; 225:6;
228:15; 291:24; 300:7;
301:24
fairly 17:11; 84:18;
192:21; 226:2
fall 26:25; 103:9; 170:16;
190:20; 191:7; 266:14
falling 93:19
falls 163:23; 168:5;
169:21
familiar 44:24; 59:19;
65:24; 72:25; 73:2; 255:2;
308:5
familiarity 26:16, 19;
27:4; 32:19; 38:3, 21; 40:6,
15; 42:14; 73:5
familiarizing 155:22
far 7:25; 37:13, 19; 65:18;
81:6; 91:18; 104:15;
130:12; 172:2; 189:15;
190:2; 263:7; 271:3
farther 175:4
fashion 66:8; 69:9; 77:25;
275:10
fast 122:8; 124:22; 190:2;
261:15; 265:11, 12, 15;
275:4, 5, 7; 305:6, 13, 15,
17
fast-forwarding 265:14
faster 166:25; 181:7;

203:3; 204:16; 269:12;
270:13; 285:9, 20; 286:4,
7, 22; 287:5, 11; 289:2, 8,
14, 17; 292:17, 21; 293:5;
295:24; 296:12; 302:23;
304:7; 305:12; 306:10
fax 72:20; 73:11, 15, 23;
74:20; 90:12; 91:8, 15, 25;
98:7, 10, 11, 19; 101:14,
19; 102:12, 15, 16; 136:18,
21
faxes 73:24; 91:17
FCC 176:11
feasibly 110:22
feature 237:20; 238:2;
241:2
features 238:3
February 5:9
fed 89:16; 90:6; 102:14;
136:13, 24; 137:4
Federal 83:23
feed 77:24; 78:3, 8, 12;
79:14, 23; 81:14, 18;
82:25; 83:5, 9; 92:20;
101:18
feeding 101:14
feel 7:21; 23:21; 129:9, 13
feet 212:4
felt 40:20
few 58:12; 278:12
fewer 141:24; 152:21
fiber 222:8; 293:15, 18;
295:22; 296:11
Fibonacci 119:5, 8;
120:6, 18; 126:22
field 36:25; 37:5; 153:10;
160:5, 20; 163:12, 12;
167:19; 169:10; 170:16,
20; 185:3; 190:10, 15, 20;
191:8, 15, 22
Fifth 3:15
figure 11:23; 173:8, 11;
178:16, 20; 179:7, 16;
182:9, 13, 19, 25; 217:6;
218:16; 220:25; 221:6, 14,
24; 225:7; 226:3, 14, 19;
231:21; 262:9; 301:2;
302:3, 7; 304:15; 307:3, 9,
11; 309:15, 16; 311:4;
312:5; 313:14, 18; 314:17;
316:2
figures 231:7
file 88:14, 14, 15, 18;
92:6, 11, 14; 118:6, 9;
142:20; 207:10, 15, 16;
208:4, 13, 18, 24; 229:13,
22; 230:2, 8; 232:2;
236:10, 20, 21; 241:9;
243:24; 257:5, 5, 13, 15,
20; 259:8, 11; 260:3, 5;
262:17, 18, 22; 265:20;
267:9; 268:17, 24; 287:2,
8; 290:16; 292:10; 296:14,
17; 297:25; 298:11, 15
filed 17:5; 25:21; 55:23;
208:5, 12
files 149:20; 229:19;

246:22; 292:13
fill 265:19; 272:22; 273:2
film 250:13, 13
final 45:18; 228:10; 259:18; 277:10
Finally 132:10; 157:14
find 87:20; 193:17; 196:5; 198:6; 207:22; 230:2; 244:16
finding 190:23
fine 5:19; 12:2, 5; 23:5; 41:2; 54:22; 75:4; 111:2; 114:5; 115:16; 149:3; 243:7; 264:7, 17, 20
finish 47:19; 133:16; 152:2; 266:11, 20
finished 210:3; 257:16; 261:5, 13; 262:17; 272:12, 14; 279:16, 17
Fink 3:20
firm 8:23; 18:24
first 4:8; 10:9, 15; 25:17, 18; 46:12; 50:8; 52:17; 60:19; 83:5; 101:6; 102:21; 121:25; 122:4; 125:18; 130:19; 132:17; 135:22; 145:10, 21; 155:25; 156:19, 21; 174:10; 175:17; 176:17; 208:11; 209:12; 210:10, 13; 212:20, 21; 213:3, 17; 223:14; 234:15; 237:11; 246:12; 250:22; 258:8, 12, 15, 24; 261:17; 262:25; 263:25; 264:10; 275:25; 276:16; 277:11; 278:22; 280:6; 284:23; 286:20; 310:18; 318:17
five 22:2; 54:21; 81:25; 253:7; 280:10; 319:20
fixed 187:4
flag 81:16; 242:18; 243:4; 244:17
flexible 151:8; 198:16
flexibly 43:3
flip 9:10; 56:3; 162:24; 205:12; 242:25
flooding 189:19
flow 92:23, 25
Floyd 8:6
flying 189:24
focus 32:15; 160:8; 278:11
focused 274:24
focuses 41:24
follow 56:4; 96:18; 192:15; 319:11
follow-up 316:18
following 24:13; 31:25; 33:18; 49:17; 161:7; 276:4
follows 4:11; 106:21; 128:8; 303:15
food 265:9
footage 89:16
football 89:17

forest 72:3, 4
Forgent 18:21; 19:19; 20:9, 12, 23, 24, 25; 21:21; 22:21
forgive 61:3
fork 109:25
Form 51:5, 8; 61:23; 71:22; 80:10; 100:15; 111:14; 137:18; 138:13; 171:3; 181:2; 191:12; 204:24; 205:23; 219:24; 220:12; 223:12; 224:19; 229:6; 232:8; 246:6; 247:18; 251:17; 253:18; 261:6; 266:19; 289:21, 22; 292:6, 19; 293:24; 298:24; 300:10; 311:15; 312:23
formal 31:2; 32:4; 41:8
formally 12:23
format 49:9; 88:18; 91:2; 116:15, 21, 23, 24; 124:3; 125:19; 222:23; 226:21; 248:13; 250:8
formats 216:16
forming 67:6
forth 12:9; 36:20; 154:11; 172:19; 206:6; 207:5; 210:7; 228:23
Forty-eight 309:18
forward 237:23; 265:11, 12
found 196:14; 197:19; 257:3
foundation 317:16
four 22:11, 17; 30:6; 119:12; 126:20; 150:9; 158:7; 185:18; 188:13; 195:9; 201:25; 236:19; 253:3; 318:19, 23
fourth 318:18
frame 10:4; 49:23; 50:9; 78:25; 79:3; 80:23; 94:12; 96:3, 9, 23; 97:5, 10; 98:13, 13; 99:23, 25; 100:15; 101:23; 108:8, 22; 110:8; 123:20; 125:18; 142:6; 155:24; 156:3, 10; 204:21; 253:14; 254:7; 288:22; 318:16
frames 49:25; 50:13; 74:10; 80:25; 85:15, 19, 24; 86:6, 9; 89:6, 9, 13; 97:7, 12, 13; 100:15; 101:17, 25; 108:16; 109:3; 110:4; 141:3; 250:24, 24
frankly 178:8; 240:7
free 7:21; 23:21
frequencies 176:20; 187:4
frequency 34:20; 71:8; 161:4; 167:5; 176:11, 19; 186:21; 187:2, 8; 190:8
frequently 53:14
front 9:5; 24:19; 44:18; 55:18; 67:9; 150:14; 174:12; 247:20
Frye's 143:11

full 4:15; 14:13, 17; 194:15, 18; 250:2, 25; 252:21; 280:6; 286:2; 302:18; 303:23
full-blown 151:15
full-motion 252:22
fully 139:23
function 134:23; 135:4, 8; 136:2; 143:8; 240:2
functionality 217:3
fundamental 6:20
Fundamentally 132:24
furniture 308:9
further 128:8; 220:15
Furthermore 48:12
future 222:19

G

game 89:17; 291:24
garbage 266:12, 13, 14; 267:18
Gardiner 172:5, 8; 197:15; 203:2
gave 22:13; 84:10, 11, 12; 89:13; 93:5; 194:16; 265:22
gears 300:19
geeky 31:23
general 17:13, 23; 75:22; 88:7; 95:19; 106:16; 138:25; 139:20, 23; 145:5; 146:3; 164:23; 169:6; 171:18; 175:6; 219:14, 15; 225:24; 246:8; 255:8; 317:7
generally 31:10; 35:14; 61:18, 20; 62:17; 64:9; 65:13; 83:12; 86:17; 87:19; 89:18; 94:3; 117:23; 118:2; 155:23; 184:9; 198:8; 253:17; 268:14; 316:9
generate 249:22
generated 251:13
generates 249:25
generating 252:18, 20
generically 278:4, 9
gets 48:21; 75:2, 4; 129:15; 225:11; 261:22, 23; 272:2
giant 294:25
gigabits 294:13
gigabyte 100:9, 10; 293:21; 294:11; 296:14, 17
gigabytes 294:18, 22, 23; 295:3, 3, 9
gigahertz 100:8; 176:5, 20, 21
Gitlin 182:3; 197:22; 300:20
given 40:23; 78:24, 25; 88:23; 100:24; 106:6, 10; 126:9; 129:6; 130:12;

136:5; 141:14; 161:20; 204:20; 206:19; 218:19; 220:4, 23; 254:6; 257:12; 273:14; 274:11; 276:8; 281:2; 309:25
gives 51:11; 98:25; 105:18; 137:13; 170:15; 219:7; 249:6; 254:15
giving 22:12; 41:7; 225:23
gleaned 157:20
goal 148:17
Godfrey 4:25; 19:3, 5
Godwin 18:24, 25
goes 46:14; 47:2; 84:17; 131:23; 144:23; 152:10; 175:7; 220:13; 235:23; 241:18; 242:10; 258:8, 12; 270:2
good 48:19; 54:16; 89:16; 90:15; 98:17; 101:8; 109:23, 23; 113:8; 115:4, 4; 127:4, 5; 140:8; 141:22; 165:4; 175:16; 179:20; 183:23; 190:2; 211:21; 267:2; 300:4, 4; 303:12; 318:14
graduate 52:18, 21, 23; 157:2
graduate-level 156:21
graduated 153:24
grand 131:22
granted 122:13
graph 162:16; 196:11, 14
graphic 302:23; 304:6, 14
graphics 183:4
gray 137:11, 13, 13
great 31:17, 25
greater 41:23; 148:13; 152:17; 153:17; 176:21; 210:11; 212:12
Greece 12:21; 13:6
green 86:22
gritty 37:17
ground 6:18; 70:15; 71:2, 25; 72:11; 230:23
grounds 68:23
Group 75:9, 14, 16, 24, 25; 76:11; 77:11; 82:17; 90:23; 93:18, 20, 21; 94:2, 5; 97:23; 103:10; 104:25; 106:14, 20; 107:8; 119:18; 120:12; 126:16; 142:11; 153:13; 154:4; 310:6
Gruber 18:25
guarantee 136:9; 152:19
guess 6:12; 8:10; 12:22; 16:6; 19:3; 29:5; 31:9; 37:14; 40:17; 41:15; 43:2; 45:4; 85:11; 121:9; 193:20; 194:5; 211:18; 213:8, 12; 225:25; 231:3; 246:16; 279:6
guts 187:11

H

H 4:7; 128:6; 165:14
half 117:8; 301:10, 17; 302:8, 11
Halloween 14:12
Halpern 33:8; 39:24; 43:9; 224:24; 253:13
Halpern's 23:4; 198:25; 227:9
Hamilton 269:3, 6
hand 150:13; 207:11; 244:20
handed 84:16
handle 74:16; 89:2, 22; 187:23
hands 179:20
handy 156:9; 306:24
Handycam 252:6
hang 161:6; 208:3; 244:24
hanging 313:4
happen 98:14
happening 6:24; 7:20, 22; 260:23; 289:10
happens 84:24; 121:16; 187:18; 288:6
happily 261:24
happy 6:5; 54:18; 113:11
hard 215:23; 216:3, 18, 20; 218:9, 15; 222:22; 223:4; 226:16, 20; 286:2; 302:6
hardware 45:20; 46:2, 5; 48:6; 50:20, 25; 104:11; 106:5, 9; 132:7, 11, 12, 16; 134:21; 135:7, 17, 19, 19, 25; 138:4, 12, 14, 14, 15, 15, 17, 19, 23, 25, 25; 139:3, 4, 11, 12, 16; 140:5, 6; 141:7; 143:7, 9
Haskell 162:12, 16; 165:7; 166:2; 167:19; 168:5; 170:2; 192:17, 17, 19; 196:8; 269:3, 6, 11; 270:12; 274:11; 287:3, 7, 10, 13; 288:15, 25; 289:14, 20
Hawaii 112:19, 23
HBO 256:6
head 81:5; 85:22; 122:10; 180:13; 263:18
Heading 3:19; 4:9; 22:6, 16; 23:10; 128:12; 144:14; 145:8
headings 129:18
hear 10:15; 317:19
heard 34:2; 43:19; 255:4; 308:14, 18, 21, 22
Heim 8:7, 7, 16, 23
held 3:15; 87:10
help 301:15, 16; 230:2; 242:19
helpful 7:2; 202:7

helps 216:7
Hemami 3:10; 4:14, 16;
 11:8; 55:5; 233:5, 6;
 245:14; 316:22
Hence 76:7
here's 126:11
heretofore 276:8
hertz 115:23, 23, 24
hesitancy 69:6
hesitating 135:9
hierarchy 37:15
high 37:15; 64:4; 87:14
higher 36:3; 102:11;
 137:9; 304:19; 306:6
highlighted 293:8
highly-correlated 300:2
historic 147:21
histories 207:10; 287:8
history 207:15, 16;
 208:4, 13, 18; 227:2;
 229:13, 22; 230:2, 8;
 232:2; 236:11, 20, 21, 25;
 241:9; 243:24; 268:17, 24;
 287:3
hit 47:4; 262:14; 265:10;
 270:15
hold 10:23; 165:3
holds 220:25
honest 14:23
hooked 252:9, 13
hope 83:8; 146:11;
 255:24; 280:14; 299:14
horizontal 183:16; 301:6
horrible 299:7, 12
hour 276:8; 283:21;
 294:19; 296:18
hours 32:9; 294:23;
 296:19
house 309:13
housed 308:13
houses 310:2, 3
housing 309:8, 14
How's 12:25; 53:7;
 252:21; 303:11
Howe 8:16, 20
human 85:5, 11; 109:10
hundreds 262:5
hypothesis 308:3
hypothetical 109:14;
 187:20; 264:21; 265:22

I

i.e 135:3; 277:15; 285:2
idea 110:10, 12; 146:25;
 161:5; 213:13; 219:15;
 224:25; 274:2; 276:2, 19,
 25; 277:4
ideal 86:22
ideas 53:23
identification 3:4; 44:17;
 58:20; 165:12, 22; 172:9;
 181:25; 199:6, 16; 200:14;

227:19
identified 120:2; 121:2,
 7; 134:22; 172:12; 216:4;
 312:7, 9
identifying 121:5
identity 231:10
IEEE 52:10; 192:18;
 198:11
IEEE's 198:10
ignore 126:5
ilk 240:19
illusion 305:9
illustrated 179:14, 15
image 45:3; 46:11, 23;
 47:25; 49:7, 12, 23; 51:11,
 25; 52:8, 22; 54:8, 10;
 76:4, 4; 78:4, 7, 20; 80:15,
 19; 81:9; 83:10; 84:12, 15;
 88:3, 8; 91:2, 20; 92:2;
 98:4, 12; 99:4; 103:16;
 136:24; 137:10, 11, 14, 20;
 189:16; 248:24, 25; 249:4;
 250:7, 16, 18, 18; 251:6, 8,
 12, 16, 22; 313:9, 16
images 48:13; 49:8, 14,
 16; 52:13; 76:3, 12; 77:13,
 13, 17; 78:8, 9, 13; 79:12,
 15; 80:2, 8, 20; 82:17, 20,
 21, 25; 87:19, 24; 89:12;
 90:12, 13, 24; 91:10;
 99:19; 137:8; 249:18;
 301:11
imagine 118:4; 174:25;
 189:17; 261:16; 262:22;
 264:9; 270:22
immediately 112:14;
 183:3; 255:23; 264:13
immensely 89:10
immerse 32:10
immersive 32:10
impact 104:8
impacts 124:21
implement 77:2, 4;
 97:17; 102:24; 140:11, 15
implementation 135:14;
 140:16
implementations
 131:11
implemented 45:20;
 46:5; 131:2, 24; 132:10;
 139:19
implementing 93:9;
 132:3, 6; 135:18; 139:9
implements 75:10, 13
implication 295:13
implications 42:2;
 125:11, 12, 14, 23; 126:3
implicit 183:15; 238:5;
 297:9
implicitly 118:9
implies 168:3
imply 149:12; 239:18;
 299:11
important 53:18; 54:4;
 84:7; 204:5; 242:14; 254:2

improved 216:24
improvements 54:4
inaccurate 101:4; 239:2
inapplicable 186:5
Inc 3:11, 12; 45:19
include 30:8; 36:11; 39:5;
 56:14; 70:6; 86:13; 109:7;
 111:12; 123:14; 129:5;
 137:7, 9, 15, 19; 152:5;
 168:17; 171:16; 233:7;
 235:17; 280:24; 281:5
included 36:24; 129:11;
 153:18, 19; 154:4; 198:14;
 231:13; 233:18
includes 30:4, 9; 34:10,
 13; 41:12; 109:7; 111:23;
 123:15; 129:2, 5; 131:16;
 138:16; 162:20; 310:24
including 50:20; 128:23;
 144:18; 146:13; 216:15;
 219:7; 315:9
incoming 305:19
incorrect 265:23
increase 173:13; 177:11,
 15; 187:24
increased 161:4
increases 29:3
increasing 167:5;
 172:18, 23; 179:24;
 182:17; 185:16; 186:23,
 25; 187:6, 8; 195:20;
 206:20; 207:7; 210:6;
 212:8, 10; 277:12, 12;
 284:23; 286:21
incremental 54:3
indeed 71:3; 102:13;
 119:9; 176:20; 234:7
independent 197:12;
 223:6; 226:12
independently 50:13;
 197:3
index 225:24
indicate 166:9; 307:18,
 25
indicated 167:20
indicates 53:19; 70:23;
 275:23; 310:6
indicative 53:17
individual 32:7; 39:15;
 50:13; 65:21; 71:6; 97:5;
 269:11; 288:17; 289:2
individually 130:25
individuals 20:21
Industrial 84:13
infinite 109:13; 254:4
infinitesimally 289:25
information 12:8; 14:9;
 15:21, 23; 26:9; 28:14;
 29:9; 30:3, 16; 31:17, 21;
 34:15; 35:2, 24; 36:22;
 39:13, 18, 20; 43:5; 60:21;
 61:11, 20; 62:12, 16, 22;
 63:23; 74:22; 148:23;
 150:14, 25; 153:11; 154:2,
 25; 159:10, 20, 22; 160:11,
 17, 22; 162:18, 23; 163:13,

15, 20, 24; 164:7, 12, 15;
 168:7; 169:8, 13; 170:15,
 21; 171:2; 177:2, 6; 185:5;
 188:18; 191:9, 16; 192:5;
 202:24; 203:22, 23; 204:7;
 205:20; 206:13; 215:10;
 223:22; 231:19; 234:22;
 235:12, 24; 236:23;
 238:12, 25; 239:5, 9;
 257:7; 259:6; 260:11, 15,
 18; 268:9; 269:9; 270:8,
 16; 274:6, 25; 276:5;
 277:15; 278:18; 279:8;
 281:4; 282:11, 16; 283:16,
 17, 19; 284:13, 20; 285:2,
 7; 286:4, 23; 290:9, 21;
 292:4; 296:8; 299:20, 25;
 317:10; 318:25; 319:2
informs 126:3
infringement 20:21
inherently 151:6
initial 29:14; 208:11;
 213:16; 308:2
Initially 18:24
initials 217:20
injected 93:5
input 52:2; 84:6; 136:5;
 141:25; 142:9; 187:15, 21;
 256:18, 18; 285:13
inputted 248:12; 311:8
insert 14:17
insertion 240:15
inside 135:14; 140:13,
 18; 314:13
instance 224:3; 313:21
instant 256:12; 262:3
instantaneous 155:11
instantaneously 262:6;
 266:25
instantiation 152:20;
 226:13
instantiations 152:23
instead 97:7; 115:23;
 150:15; 229:17; 258:6
instructions 311:8
instructs 7:15
integral 125:20; 221:20;
 231:5
integrated 48:9; 77:3, 7,
 9; 105:2; 231:4
intelligent 83:24; 104:7
intend 233:3
intended 82:19; 112:3, 3,
 166:9; 202:17; 215:9
intending 145:23; 210:23
intent 122:25; 146:3
intention 146:8; 152:17
Inter 97:22; 120:14, 15
inter-frame 97:3, 21;
 107:13, 18, 22; 108:5, 6,
 15, 23; 109:6, 7; 110:2, 22;
 111:11, 13, 25; 113:5;
 120:16; 126:18
interact 41:20
interconnect 48:7

interconnection 35:14,
 15
interest 31:25
interested 32:8; 36:23
interface 229:17, 19;
 242:2, 6; 247:7; 307:19;
 311:18
internal 73:16; 228:12;
 229:16; 230:24; 234:8;
 315:21
interpose 7:15
interpret 11:11, 15;
 138:11
interpretation 11:2;
 194:22; 236:13; 265:24;
 273:13; 290:6
interpreted 27:25;
 213:10
interpreting 42:3; 137:10
interrupt 36:16; 91:21;
 201:20
interruption 67:20
into 5:14; 11:22; 23:2;
 37:7; 70:24; 78:7; 79:11;
 80:19, 25; 81:8, 19; 83:2,
 6; 99:19; 101:14, 19;
 102:14; 122:7; 136:24;
 137:17; 153:2; 163:18;
 164:5; 168:5; 169:21;
 172:2; 175:7, 8; 181:2;
 186:16; 194:6; 203:12;
 205:21; 207:16; 212:22;
 219:17; 222:19; 240:16;
 250:8; 251:10; 252:5, 6;
 270:23; 291:5, 17; 297:25;
 298:16; 299:22; 306:13;
 311:13
intra 51:24; 97:22; 120:13
intra-frame 49:22; 52:3;
 97:25; 98:5, 9; 106:13;
 107:7; 248:24
introduction 3:23; 176:4
Invention 200:25;
 217:17; 231:2; 246:19;
 287:21; 295:2, 7
invited 129:6, 11
involve 235:22; 298:3
involved 22:12; 37:24;
 92:14; 153:15; 240:25
involvement 18:9, 12
involves 52:13; 151:13;
 175:22; 206:19; 240:18;
 292:21
involving 18:15; 20:23,
 25; 72:15; 194:14
irrelevant 37:24; 206:10
issue 35:5; 41:24; 42:21;
 69:25; 278:3
issues 23:3; 37:17;
 96:18; 291:18
item 57:18; 143:10;
 156:14; 162:4, 17; 174:15;
 181:11; 182:16; 194:23,
 23; 203:5; 206:9; 221:6;
 316:5, 6
items 43:12; 53:16; 68:5;

156:23; 191:10; 234:12
lithaca 4:18
IV 75:9, 14, 16, 24; 76:2, 11; 77:11; 82:17; 90:23; 93:18, 20, 21; 94:2, 5; 97:23; 103:11; 104:25; 106:14, 20; 107:9; 119:18; 120:12; 126:17; 142:11
lzeki 227:2, 6, 14, 22; 228:3, 7, 8; 229:13, 15; 230:22, 24; 231:2, 11, 12; 232:2; 241:16, 23; 242:6; 243:19, 25; 246:3, 9; 247:3, 7, 15, 19, 20; 248:3; 249:14; 306:22; 311:20; 313:21

J

jacket 86:13, 14, 18, 22, 23, 24; 87:4
jargon 97:3
John's 50:12
jointly 17:24
Jones 84:12, 16
Jose 3:17
journal 147:2
JPEG 18:16; 76:22, 23; 88:10; 103:15; 143:23
judge 83:23
judged 52:9
judgment 40:8; 43:8, 24; 44:7, 9
jump 112:14; 292:24
jurisdiction 3:12

K

kaleidoscope 89:7
keep 14:7; 21:11, 13; 23:14; 36:16; 113:12; 114:6; 142:12; 232:11, 21; 245:3; 270:15; 296:9
keeping 150:10; 303:5
keyboard 307:12; 309:22; 310:4, 24
kick 107:2
kind 66:15
kinds 83:14
kitchen 265:9
knob 187:15, 19
knowing 103:7; 141:21
knowingly 73:13, 18, 20
knowledge 38:17; 40:9, 12; 41:17, 19; 43:20; 66:19, 23; 67:5; 94:7; 196:3, 4
known 141:21; 143:14, 16, 16, 20; 145:12, 12, 17, 22, 24; 146:6, 15, 21, 22; 160:20; 185:20; 188:14; 190:19; 191:18, 20; 193:12, 24; 290:12, 16, 21
knows 271:17

L

label 32:13; 34:4
labeled 56:22, 23; 135:12; 225:8, 10; 229:15; 314:23
laboratory 112:22
Labs 45:19
lack 152:8
land 292:25
Lang 208:12
language 213:2; 223:20; 286:18; 301:25
large 86:7; 102:10; 109:5; 131:20; 277:13; 284:24; 285:23; 286:21; 292:11, 14; 308:11; 309:7
larger 34:10; 39:15; 147:6; 152:8; 180:11, 21; 287:4
largest 60:17
last 6:19; 130:2; 132:23; 177:24; 210:9; 226:25; 227:23; 243:19; 258:13, 16; 262:18; 266:7; 267:11, 17; 268:8, 9; 284:20; 303:14
latch 268:8
later 77:4; 158:21; 181:4; 214:13; 222:21; 223:5; 226:11; 258:13; 288:9; 314:8
law 8:23
layer 34:12, 13; 35:7, 17; 36:2, 3, 4, 11, 12; 37:22; 38:8, 11; 39:6, 6, 10; 40:22, 25; 41:9, 11, 17, 19, 24; 42:2, 12, 13, 24, 24, 25; 43:6; 61:8, 10
layered 37:14
layers 41:9, 21; 43:5, 7
laying 317:15
laymen's 83:18
lazy 106:25
lead 151:18; 236:11
leading 25:20; 317:13
leads 306:13
leap 239:23
leased 201:4; 204:3
least 5:21; 18:9; 24:22; 28:11; 33:3; 38:11, 11; 68:16; 88:6; 110:10; 118:9; 140:5; 149:12; 184:25; 193:11; 218:14; 223:8; 224:2, 10, 16; 233:23; 243:25; 247:2; 249:9; 250:24; 254:14; 286:11; 300:2; 310:8; 313:21
lecture 112:22; 129:11
lectures 129:6
led 126:6
Lee 156:18; 194:16; 197:5, 6

left 183:2; 208:19; 301:10; 302:9, 12, 15; 303:19; 313:3; 319:7
length 258:20; 297:4, 6; 298:8, 20; 299:3; 300:8, 11, 13; 305:16, 18
lengthy 129:12
Les 4:3; 5:21; 8:6; 22:23; 56:11; 126:25; 178:6; 227:7; 245:12; 316:23; 317:12; 319:13
less 83:16; 97:14; 102:5; 117:6; 118:5; 179:4; 205:23; 270:8; 274:7; 289:5; 294:23
Level 23:11; 25:7; 27:9; 28:5; 29:3, 23; 30:11, 12; 36:3; 40:5, 12; 64:5; 66:19, 23, 24; 67:2, 4; 76:19; 129:5; 150:11; 154:6; 155:4; 183:10; 215:7; 317:5
levels 76:25; 101:4; 144:6; 147:19
life 129:3
light 213:10; 214:21; 240:23; 308:4
likely 17:8; 141:10; 194:21; 196:24
limit 171:14; 188:23; 189:21
limitation 235:18
limited 103:20; 162:18; 216:15; 220:22; 232:3; 249:18; 281:21
line 14:15, 17; 67:10; 71:24; 72:6, 22; 95:6, 8, 9; 105:18; 106:17; 119:15; 120:5, 8; 122:5; 124:5; 126:21, 23; 179:18; 182:22; 201:2; 202:9; 205:15; 217:9; 218:21; 219:5; 220:8, 11; 221:15; 222:3, 6, 10, 12, 22; 237:10, 12; 248:7; 249:20; 251:10; 254:7; 287:21, 23, 24; 288:4, 17; 289:5, 6, 8, 15, 18, 25; 293:14, 15, 18; 294:16; 295:23; 296:11; 297:2; 307:16, 25; 309:22; 310:18; 312:4, 5; 314:3; 315:10, 25; 316:4
lines 71:11; 97:20; 107:12; 108:3; 110:20; 111:6, 10, 21; 113:3; 114:9; 120:2, 16, 19; 123:24; 124:8; 125:2, 8; 126:16, 19; 168:11; 201:17, 20; 216:8; 236:19; 256:16; 280:10, 11; 289:2; 310:13, 14
link 71:4, 13; 72:10, 12, 14; 172:25; 295:17; 296:15
links 71:6, 7, 8; 72:15; 239:6, 6
list 22:7; 55:6; 57:18; 121:7; 123:5, 6, 10; 126:7,

9, 14; 129:11; 161:21; 181:11, 13; 183:13; 184:6; 195:11
listed 9:21; 20:2; 50:18; 57:19; 58:5; 129:16; 138:2; 154:14; 155:15; 158:25; 160:3; 188:13; 189:4; 190:21, 23; 191:6
listen 24:5; 297:8
litigation 251:4
little 6:19; 90:21; 103:7; 110:17; 152:3; 198:16; 226:7; 255:8; 300:18; 306:2
live 39:17; 72:2, 4, 5; 255:3, 3, 5, 13, 13, 15, 16, 19, 21, 25; 256:4, 19, 23; 257:3; 265:8; 267:2
Local 55:23; 224:18
locate 225:15
located 3:21; 87:21
location 215:25; 218:12; 223:19; 224:12, 14; 234:6, 16; 261:24
locations 234:21
long 48:9; 56:10, 15; 261:21, 22; 271:17, 19; 280:2, 3; 296:14; 299:4
longer 158:17; 251:22
look 11:14; 51:18, 20; 55:9; 59:5; 67:10; 81:3; 89:5; 114:8; 132:19; 135:2; 144:11; 147:5; 148:13; 162:7; 170:6; 171:18, 23; 173:4, 5; 182:6; 200:24; 201:20; 205:5; 212:16; 215:19; 216:23; 218:20; 221:5; 226:23; 229:21; 236:24; 247:19; 249:20; 259:16, 18; 269:2; 280:16; 281:10; 293:7, 11; 301:10; 306:22; 307:3; 309:15; 312:3; 313:6, 8
looked 58:8; 140:18; 218:17; 240:5; 307:23
looking 16:11; 43:2; 59:3; 176:14; 222:11; 244:5, 10; 248:21; 313:9
looks 9:9; 51:19; 109:23; 301:17
looms 60:17
Loop 165:16, 19; 170:9, 15; 205:10
loose 300:18
loss 93:4; 142:20
lossless 46:24; 90:24; 91:25; 92:3; 93:14, 25; 94:3, 15, 17; 95:4, 13; 102:22
lossy 45:4; 47:24; 92:17, 23; 93:9; 94:5, 15, 18; 95:4, 13; 142:18
lost 181:13
lot 109:14; 149:18; 152:3, 4; 179:3; 308:12
lots 237:14

loud 264:5
lousy 91:16
lovely 87:5
low 40:7; 250:18; 272:17
lower 39:10; 103:8; 104:6; 305:8
LP 297:15
luck 72:5
lucky 156:9
lumen 177:9
luminescence 179:14, 15; 180:2
luminent 173:16
lumped 37:7
lunch 127:6
Luncheon 127:11

M

M 4:9; 8:7
MAC 180:6
machine 73:11; 81:11; 122:8; 261:9
machines 73:15
magnetic 215:23; 216:4, 11, 16, 18, 20; 218:9, 15; 219:9; 220:4, 20; 221:2; 242:2
mail 208:18
mainframe 308:15, 17
major 144:13
majority 14:24; 152:23
makes 8:17; 105:24; 125:11, 24; 238:19; 274:13; 308:12
making 43:8, 24; 44:6, 9; 47:4; 141:18, 20; 226:16
man-hours 48:10
manner 18:3, 5; 28:2; 77:20; 83:11; 85:5; 122:17; 146:10; 151:9; 163:21; 177:24; 178:24; 202:25; 210:21; 212:11; 225:4, 5; 250:5; 251:5; 261:20
manufacturers 73:22
many 18:11; 35:15; 48:10, 16; 52:19; 54:3, 3; 73:21; 76:25; 84:20, 20, 20; 97:16; 124:23; 147:14; 193:14; 262:6; 298:2
mark 44:10; 58:11; 162:9; 165:6; 172:2; 181:17; 198:22; 199:10; 200:8; 227:5, 6, 13, 14
marked 44:15; 58:18; 161:10; 165:10, 21, 24; 166:3; 172:8; 181:23; 197:23; 199:4, 14; 200:12; 207:9; 227:17; 230:5; 307:12; 316:24
marker 268:18
marketing 110:15
marks 82:8, 12; 127:9;

128:4; 195:4, 8; 253:2, 6; 319:19
master 229:20; 230:23; 246:22
Master's 28:17; 154:17, 22; 155:3; 156:24; 157:3
material 31:12; 32:8; 37:9; 41:10, 10; 73:4; 106:21; 129:15, 21; 141:2; 236:5; 237:20; 238:4, 21; 242:14; 262:10
materials 6:12, 13; 55:6; 57:19; 155:13; 280:20
math 40:25; 81:5; 101:22; 180:12; 254:11; 263:16
mathematical 85:8
mathematics 33:15
matter 3:11; 19:13; 48:20; 157:7; 252:3
matters 15:22
Max 19:8
maximum 275:23
May 3:23; 7:14; 14:22; 43:6; 53:21; 62:14; 67:14; 73:10, 22; 103:5; 106:17; 109:15, 15, 17; 119:15; 123:14; 126:4, 4; 129:17; 17; 131:19; 153:6, 24; 154:8; 163:7; 171:20; 201:15, 16; 202:14; 214:12, 13; 216:14; 224:23; 238:5, 5; 256:18; 258:10; 259:12; 270:8; 275:11; 276:5; 278:10; 284:14, 15; 298:13; 299:15
Maybe 11:3; 42:10; 71:22; 85:9; 86:21; 88:17; 17; 91:15; 93:19; 111:18; 122:23; 130:23; 139:23; 151:19; 152:10; 164:17; 188:5; 211:21; 213:14; 218:22; 225:22; 230:2, 13; 234:16; 238:19; 252:15; 258:14; 265:7; 291:25
mean 36:15; 41:5, 8; 43:22; 50:7; 51:22; 53:11; 57:16; 69:3; 73:10; 76:16; 78:23; 80:12; 84:19; 86:21; 87:23; 91:21; 95:6; 96:17; 99:9, 10; 101:10; 107:25; 112:11; 115:20, 22; 131:15; 135:13; 137:11; 143:16, 18, 19; 168:25; 169:15; 171:4; 183:14; 188:23, 24; 193:15; 201:19; 208:14; 211:13; 214:7; 237:25; 250:23; 255:17; 257:12; 274:21, 22; 278:21; 297:14; 308:8; 313:6
Meaning 24:10, 14, 22; 131:6; 157:19, 24; 159:13, 18; 160:19; 161:20; 163:20, 23; 164:7, 10; 174:19; 181:10; 191:2; 195:12; 206:10; 251:3; 279:8; 299:22

meaningful 296:21
meanings 158:25; 159:2; 160:2, 3; 188:13; 189:2; 191:21; 192:7; 255:22
means 60:25; 99:12; 100:22; 115:10, 14, 18; 133:22; 190:7; 210:13; 212:20; 241:25; 242:8; 246:8, 11, 18, 23; 247:10; 255:19; 270:19, 21; 302:19; 303:24; 315:2
meant 22:15; 57:24; 93:25; 112:6, 15; 131:13; 139:19; 168:16, 22; 214:14; 239:24; 276:9; 278:6, 9; 310:13
measure 84:21; 175:3
measuring 189:14
mechanism 37:8; 236:7; 250:7; 305:22; 308:12
mechanisms 34:19; 37:17
media 34:25; 41:13; 215:24; 216:4, 11, 15, 19, 20; 218:9, 15; 220:5, 12, 17, 19; 222:14, 18; 223:2, 22; 224:18
mediums 237:13
meet 6:9, 14; 9:19, 22, 23
meetings 10:2
mega 99:10
megabit 45:8; 142:4
megabits 45:21; 46:3, 10; 48:22; 99:24; 100:20; 101:23; 102:5; 254:7, 16; 262:5
megabytes 293:18, 20; 294:9; 295:15; 296:16
megahertz 99:2, 8; 173:17, 22; 177:10; 180:2, 8, 10, 11, 20; 181:3, 5
megapixels 99:10
memories 219:8, 8; 277:13; 284:24; 285:6; 286:21
memorized 176:10
memory 21:9, 17; 75:2, 3, 5; 81:13; 117:18; 118:11, 12; 156:8; 213:13; 218:21; 219:5, 12, 17; 222:14, 19; 229:18; 262:3, 11, 11; 264:2, 11, 20; 281:21, 24, 25; 282:5; 283:4; 284:4; 285:22, 25; 295:15, 18; 296:5
mention 220:13; 292:12
mentioned 104:4; 202:4; 233:22; 268:11
mentioning 120:23
meshed 156:9
mess 16:13
message 166:19, 22, 25; 202:7
messages 161:16, 24
Messerschmitt 156:19; 194:17; 197:6

met 8:2, 6, 8, 11, 14, 25; 136:14; 137:2; 154:10, 10
metric 92:4
Micah 8:15, 20
Michael 8:7
Michigan 156:16
micro 254:20
microprocessor 253:13, 23
microprocessors 105:16, 19
microwave 62:24; 63:2, 8, 15, 21, 22, 23; 64:5, 17, 17; 65:7, 8, 9, 9; 66:11, 17, 21; 67:13, 18; 68:7, 22; 69:11, 24; 70:6, 19, 20, 22, 24; 71:7, 8, 11, 18; 175:22, 25; 176:8, 19, 23; 186:16, 19; 187:12, 12; 239:5, 6, 14
microwaves 63:6, 25; 68:14
middle 70:17; 236:2
might 12:15; 31:13; 42:18; 74:14; 85:5; 87:6; 111:19; 112:18; 122:25; 125:18; 153:3; 192:15; 201:19; 202:6; 230:10; 234:2, 7, 8, 17; 272:16, 17; 294:5
million 141:13, 16
millions 99:12
mind 31:8; 34:7; 51:14; 60:18, 22; 82:21; 111:17; 155:7; 209:24; 215:16; 224:25; 247:14; 273:22; 281:3; 308:25; 317:13
minimum 27:9
minus 256:12
minute 82:4; 131:20; 201:11; 212:4, 6; 280:24, 25; 281:5, 6, 8; 282:11, 12, 18, 18; 283:20, 23; 297:18, 18, 20; 299:8; 301:22
minutes 54:21; 82:2, 2; 188:11; 193:6; 278:12; 297:22; 298:14; 316:14; 319:6
mischaracterizes 112:2
miss 191:3
missed 191:4
misspoken 111:19
misunderstood 264:23; 265:4
model 171:21
modern 211:19, 23; 305:25
Modern 57:6; 58:9, 13, 22; 192:22; 193:23
modifications 54:4
modifiers 171:7
modifies 70:23
modulate 62:24; 63:25
modulated 62:7, 21
modulating 62:8, 17

modulation 62:3, 4; 147:16; 148:20; 149:15; 175:2; 186:20, 20, 21; 187:9, 23; 261:20
modulo 91:3
moment 6:5; 32:16; 128:12; 238:10; 244:11
money 109:25
monitor 135:16
more 22:19; 34:4; 63:19; 65:17; 75:21; 77:21; 83:16; 97:13; 104:20, 23; 108:8; 110:4; 112:24; 128:15; 140:18; 141:6, 10; 145:5; 148:5; 156:6; 158:13; 161:16; 164:3; 166:19, 22; 172:21; 174:5; 194:21; 202:15; 225:4; 234:7, 16, 18, 25; 241:25; 246:2; 255:8; 263:21; 270:17; 272:18; 273:10; 275:9; 276:12; 278:23; 282:18, 23; 303:3, 9; 304:12; 314:21; 317:18
Morgan 165:14
most 41:20; 73:15; 84:21; 87:24; 109:8; 111:3, 4, 12, 23; 136:13; 141:10; 146:12; 183:2; 196:24
motion 250:2, 25; 252:21
motivate 295:5
move 179:20; 251:21; 276:10
moved 141:2; 311:13, 17
moves 30:13
movie 163:16; 257:6; 283:21; 294:19; 295:24; 296:3, 12
movies 279:9; 280:19
moving 190:3; 223:21; 224:17; 251:14; 252:2, 3, 10, 11, 18
MP3 297:25; 298:2, 2, 6, 7, 11, 16; 299:2, 6
much 31:20; 35:18; 37:16; 74:15; 85:23; 143:25; 175:4; 192:21; 254:21; 294:22; 317:18
multiple 34:12; 37:23; 43:5; 96:8; 97:7; 103:3, 23; 108:16; 109:2; 128:25; 147:18, 18; 188:5; 269:8; 316:10
multiplex 167:24; 205:6, 17
Multiplexing 165:16, 19; 167:20; 170:9; 182:11; 206:18, 25; 269:7; 302:17, 21; 303:21; 304:4
multiplied 173:24
multiplies 99:23
multiply 48:20; 254:15
music 165:4
must 72:2; 104:23; 165:2; 171:21; 213:9; 257:13; 266:25; 267:5, 5; 286:14; 292:23, 23; 296:2

myself 6:11; 61:25; 156:2; 201:11

N

Nagy 19:9
name 3:17; 4:15; 16:8; 18:25; 19:2; 153:14; 316:22
namely 182:17; 215:2
narrow 40:22; 41:5, 6; 65:10, 15; 69:8; 170:13; 179:11; 189:12
narrow-band 164:20; 170:23
narrower 65:16; 189:20; 190:4
NASA 31:14, 14
natural 89:12; 90:5; 143:25
nature 16:15; 17:13, 23; 31:5, 9
near 132:9
nearby 86:9
nebulous 76:14, 17
necessarily 35:8; 51:22; 53:17; 77:23; 88:20; 154:7; 192:3; 315:20
need 11:3, 21; 12:12; 23:15, 16, 22; 24:6; 27:11, 17; 28:6; 32:4; 62:17; 72:7; 77:19, 21; 78:3; 81:23; 88:21; 91:13, 16; 99:17; 101:7, 22; 102:15; 104:6; 123:4, 9; 124:22, 23; 141:14, 22; 142:13; 149:2, 4, 4; 156:5; 175:8; 188:20; 194:6, 25; 201:13, 14; 243:2; 262:12; 265:17; 270:8; 276:5; 286:9; 289:2; 293:2
needed 118:13; 157:10, 10; 264:24; 269:23; 274:17; 295:9
needs 30:14, 15; 35:22; 141:2; 284:2
negative 57:21
negligible 104:9
Neither 9:18; 73:14; 104:22; 242:5; 247:7; 319:3
nerdy 31:23
net 191:3
network 35:14; 37:22; 41:24; 42:25; 255:10
networking 34:4, 7; 35:6, 7, 16; 36:2, 12; 37:7; 38:7, 11; 39:6, 11, 12; 40:4, 12, 21, 22; 41:11, 17, 18, 24; 42:12, 22
networks 35:16; 144:20; 157:11; 203:8
New 3:16, 16, 22, 22; 4:10, 19; 52:4, 5; 53:23; 116:15; 270:4; 275:22; 277:13; 284:25; 291:2

next 24:9; 27:7; 38:20;
94:9, 12; 96:3, 10, 23;
97:10; 108:22; 110:8;
117:16; 119:3; 145:15;
180:5; 222:17; 264:16;
271:11; 272:2, 12, 15;
273:2; 275:20; 278:16, 23
Nice 67:22; 86:14, 23;
182:20; 206:14
nicely 156:10
Nick 3:25; 10:25; 54:15;
232:15; 245:16; 268:23;
291:5; 303:4
nine 271:20
nitty 37:17
non-gray 137:20
non-moving 251:12
non-technical 146:11
nonbinary 80:2, 7
nondefiniteness 225:14
none 318:20; 319:3, 8
**nonstatistically-
oriented** 84:10
nor 73:14; 121:18; 242:6;
247:7
normal 161:17, 25;
166:20, 23; 167:2, 3;
298:12, 13
normalization 46:20
North 4:18
Northern 3:14
Nos 44:14; 58:17; 165:9;
181:22; 199:3, 13; 200:11;
227:16
Notary 4:9
noticed 155:13; 310:19
novel 52:10, 15
novelty 290:25
November 3:8; 14:16, 18
NRTC 16:14
NTSC 45:21; 48:16, 22;
49:8; 101:8; 249:5, 8, 10
number 29:3; 32:2, 3;
48:15, 21; 50:7; 55:9;
56:13; 57:15; 75:16;
78:13; 79:6, 23; 82:9, 13;
86:7; 99:23, 24; 102:10;
106:20; 109:13; 117:11;
127:10; 128:5; 132:25;
133:8, 13, 22; 134:12, 13,
23; 135:4; 138:5; 141:12,
14; 142:2, 5; 143:15;
144:18; 152:14, 18, 24;
155:15; 159:13; 160:19;
161:21; 165:8; 166:7, 12;
171:23; 172:14, 15; 180:7;
181:11; 182:16; 183:12,
17; 184:6; 186:4; 193:22;
195:5, 9, 12, 12, 19;
196:25; 197:2; 202:21, 25;
204:12, 18, 20, 20; 206:6,
23; 207:6; 210:17; 211:7;
215:3; 237:13; 241:22;
247:23; 253:3, 7; 272:6, 7;
275:23; 287:23; 296:19,
20; 312:12; 314:3; 315:5;
316:10; 319:20

numbers 44:12; 58:16;
104:21; 106:19; 131:21;
144:4; 166:20; 181:20;
185:24; 190:14; 209:8;
245:6; 280:15; 296:13

O

object 10:24; 12:13, 13;
47:14; 111:14; 189:15, 16,
22; 293:24
Objection 51:5, 8, 9;
61:23; 80:10; 138:13;
171:3; 191:12; 203:11;
204:24; 219:24; 223:12;
224:19; 229:6; 232:8;
246:6; 247:18; 251:17;
253:18; 261:6; 291:4;
292:6, 19; 300:10; 311:15;
312:22
objections 7:15
objectives 120:24;
122:11
oblige 90:22; 225:15
obscure 147:2
obtained 49:8; 134:14
Obviously 53:22; 84:23;
122:21; 139:15; 143:12;
148:14; 154:5; 188:5;
189:24; 191:4; 207:25;
215:9; 251:22; 281:25
occasion 246:3
occasions 243:25; 244:4
occupied 305:18
occupies 173:21; 179:2,
4; 305:17
occupying 205:23
occur 51:13; 66:25;
261:8, 25; 292:23
occurred 134:3
occurrence 167:9, 11
occurring 115:7; 255:7,
22; 256:25
occurs 67:3; 224:21;
234:2; 237:13
OCR 121:17; 122:3
October 10:8; 14:3, 16;
15:6
odd 17:4; 257:3
off 46:12; 54:24; 82:9;
83:5; 101:6; 113:16, 21,
23, 24; 114:3; 127:10;
143:6; 150:2; 155:25;
189:22; 195:5; 196:18;
229:18; 251:19; 253:3;
256:5; 258:21; 292:24;
306:15, 17; 313:4; 316:11,
11; 319:20
offer 241:2
offered 233:17
office 34:16, 16; 243:24;
246:2; 247:15
offices 3:21
old 53:2
once 5:7; 103:12, 15;

188:7; 257:8, 8, 20, 20;
258:4, 22; 281:23
one 6:19; 15:13; 17:25;
19:2; 21:6; 25:22; 26:22,
24; 28:9, 17; 29:8; 30:14,
21; 31:2; 34:14, 17; 36:12;
38:13; 39:9, 13, 14; 41:10;
42:5, 11; 43:6; 47:22;
48:21; 49:2, 5, 24; 50:11;
51:13; 52:2; 56:22, 23;
57:11; 58:7, 14; 59:6;
60:17; 61:16; 62:16, 20;
65:5; 66:16; 68:7, 10, 21,
23, 24; 73:25; 74:9, 9, 24;
77:3, 4, 21; 79:6, 20, 24;
82:4, 9; 84:7; 87:2; 89:4;
94:11; 95:24; 96:3, 9, 18,
23; 97:10; 99:17; 101:6;
102:23; 103:7, 20; 104:13,
13, 16, 20, 22, 23; 106:22;
107:3; 108:8, 22, 25;
109:12, 12; 110:4, 8;
111:23; 112:19, 20, 24;
114:10; 115:23; 116:2;
118:24; 119:14; 122:15;
124:19, 23; 125:24, 24;
126:15; 128:25; 129:4;
134:3, 14; 136:22; 138:2;
139:25; 141:10, 22, 23;
143:20; 148:17; 150:9;
154:23; 162:11, 14, 15, 19;
164:22; 167:15, 23; 171:6,
6, 8; 179:13; 187:18;
189:16, 18, 18, 19; 191:23;
192:3, 8; 197:17; 198:16;
204:20; 209:3, 4, 25;
215:5; 218:19, 23; 219:14,
20, 22; 228:6; 232:20, 22;
233:4, 23, 25; 234:2, 9, 16,
16, 21; 239:20; 244:5, 10,
14, 16, 17; 246:2, 12;
248:16; 250:19, 22;
254:24; 255:22; 257:13,
14; 265:23; 270:24;
271:19, 20, 21; 272:10, 18,
22, 22; 275:6; 276:20;
281:9; 286:22; 289:8, 13;
301:11, 15; 302:13, 14;
303:17, 18; 309:13;
314:21; 315:16
one's 285:25
one-half 205:24
ones 56:11; 189:3;
198:17; 253:14
online 198:10
only 21:6; 22:7, 13; 38:7,
8; 58:14; 76:7; 92:3; 94:11;
95:24; 96:2, 22; 104:13,
16, 22; 107:6, 10; 108:21;
110:7; 123:25; 129:20;
143:10; 149:25; 150:9;
157:20; 165:2; 168:18, 18;
184:11; 191:6; 214:19;
224:20; 244:13; 252:3;
265:25; 266:10; 267:5;
270:13; 272:10; 273:5, 6;
283:7, 8; 285:20, 24;
287:6; 288:19; 289:7;
295:15
onto 215:23; 218:9;

219:17, 18; 222:14;
223:22; 224:17; 306:6
open 243:2
opened 287:9
operate 164:23; 216:14
operated 17:25; 18:3, 5,
14
operates 49:11; 98:16;
138:19; 189:11
operating 18:2; 252:12
operation 35:17; 46:20,
23; 142:22; 150:5; 174:6;
179:19, 23; 189:18;
213:19; 240:18; 257:17;
283:2
operations 46:22;
318:11, 15
operator 18:4
opinion 11:10; 25:2;
26:12; 27:16; 42:4; 74:3, 6;
133:7, 21; 202:22; 214:20;
220:3; 249:14; 318:22
opinions 11:10; 24:14,
21; 25:13; 110:14
opposed 34:5; 68:18;
79:4; 97:22; 129:21;
146:24; 168:13; 170:23;
186:6; 194:23; 216:20;
230:25; 238:18; 256:4, 4;
281:8; 289:9
optic 222:8; 293:15, 18;
295:23; 296:11
optical 219:8; 220:16, 18,
19; 221:2
option 34:17; 187:18
options 91:3, 7; 93:17, 23
order 5:17; 6:4; 11:3, 6,
12; 23:22; 50:8; 53:16;
62:11, 21; 99:15; 129:18;
198:6; 242:16, 22; 243:4;
245:4; 257:12; 267:2;
268:8; 285:13, 15; 286:3;
295:10
orders 129:16
ordinarily 239:9; 249:24
Ordinary 23:11, 20; 25:4,
7, 9, 19; 26:7; 27:10; 28:6;
30:25; 33:2, 3; 39:24; 43:9,
11; 47:23; 49:2, 5, 21, 24;
50:11; 51:4, 18; 101:6;
102:23; 106:22; 111:22;
122:15; 136:22; 137:7, 10;
138:2; 143:17; 144:8;
145:24; 146:6, 15, 23;
148:2, 8; 154:11, 21;
155:5, 8; 171:10; 191:19,
23; 192:3, 6, 10; 193:12,
25; 235:6; 238:9, 15;
239:17, 20; 290:13, 16, 22;
299:17; 317:5, 8
orientation 71:23
origin 148:19; 206:10
original 91:15; 159:15;
162:6; 166:16; 195:17;
205:24; 209:18; 260:10,
14; 299:25
originally 98:7; 208:5;

302:24; 304:8
originals 245:11
others 188:15, 17
otherwise 14:8; 265:5
ought 287:14
out 11:24; 37:20; 67:8;
72:5; 91:2, 11; 106:24;
112:14; 116:15; 122:3;
130:19; 136:11; 162:9;
174:12; 179:22, 23;
180:20, 23; 181:4; 189:12;
203:3; 204:16; 206:9;
208:3; 217:6; 224:22;
225:13; 229:25; 236:4;
243:3, 4; 258:9, 12;
261:19; 262:9, 14; 264:5;
270:5; 296:5; 300:20;
302:23; 303:2; 304:7, 10,
15, 19, 22; 305:11, 15;
306:9; 311:13
outcome 165:2
output 91:8, 13; 92:9, 15;
147:18; 150:11; 210:11;
241:25; 242:8; 246:11;
247:10; 250:16; 252:4
outputs 75:10; 250:11
outside 112:22; 190:9,
14; 291:6
over 6:17; 7:3; 15:21;
19:3; 31:17; 34:20, 21;
45:8; 64:25; 84:13;
109:25; 115:23, 24;
147:19; 172:24; 203:8, 15,
23; 229:16; 238:17; 239:5;
256:13, 14; 262:7; 273:11;
274:11; 296:15; 316:13
overhanging 72:6
order 5:17; 6:4; 11:3, 6,
12; 23:22; 50:8; 53:16;
62:11, 21; 99:15; 129:18;
198:6; 242:16, 22; 243:4;
245:4; 257:12; 267:2;
268:8; 285:13, 15; 286:3;
295:10
orders 129:16
ordinarily 239:9; 249:24
Ordinary 23:11, 20; 25:4,
7, 9, 19; 26:7; 27:10; 28:6;
30:25; 33:2, 3; 39:24; 43:9,
11; 47:23; 49:2, 5, 21, 24;
50:11; 51:4, 18; 101:6;
102:23; 106:22; 111:22;
122:15; 136:22; 137:7, 10;
138:2; 143:17; 144:8;
145:24; 146:6, 15, 23;
148:2, 8; 154:11, 21;
155:5, 8; 171:10; 191:19,
23; 192:3, 6, 10; 193:12,
25; 235:6; 238:9, 15;
239:17, 20; 290:13, 16, 22;
299:17; 317:5, 8
orientation 71:23
origin 148:19; 206:10
original 91:15; 159:15;
162:6; 166:16; 195:17;
205:24; 209:18; 260:10,
14; 299:25
originally 98:7; 208:5;

P

p.m 127:11; 253:6;
319:21
packet 258:10
page 11:4; 13:16; 23:9;
24:9; 46:13, 19; 55:21;
57:5; 58:14; 59:6, 6; 91:8;
106:16; 128:12; 129:24;
130:3; 132:19, 23; 139:6,
7; 144:12, 13, 20, 24;
145:6; 147:3, 6, 10;
155:14; 157:12, 13;
158:21; 166:7, 12; 171:24;
172:15; 173:5, 5; 174:11;
176:15; 179:18; 181:13;
182:3, 6, 9; 193:9; 195:11;
202:21; 204:13; 206:7;
207:6; 209:7, 8, 9, 11;
210:18; 211:7; 213:25, 25;
225:21, 22; 226:24;
227:23, 24; 228:18, 25;

230:13, 18, 19; 232:11;
236:17; 237:14; 240:17;
241:15, 18, 21, 21, 22;
243:5, 15; 244:7, 8, 11, 18;
246:13; 247:6; 268:20, 25;
269:19; 274:12; 276:19,
24; 278:16, 23; 279:4, 7;
280:6; 284:8; 287:9;
296:22; 300:21, 23; 301:3;
302:17; 303:22; 310:17;
316:25; 318:18
pages 13:19; 58:12;
93:22; 201:9; 237:2;
240:5, 7, 9; 241:11;
275:13; 317:25; 318:6
paid 4:24
pair 40:3
PAL 49:9
Palo 34:16
paper 44:19, 21, 24; 45:2,
3, 10, 13, 25; 46:8, 11;
47:6, 11; 48:2, 3; 49:19,
22; 50:4, 12, 15, 24; 51:10,
15, 19; 52:6, 9, 12, 16, 17;
53:3, 9, 12, 13, 13, 19, 22;
54:2, 5, 9, 13; 87:10, 16;
112:18; 137:16, 20;
148:10, 14; 192:18, 18;
248:20, 23; 249:3, 6;
250:21; 263:20
papers 14:7, 22, 24; 15:2;
54:2
paperwork 12:22; 13:8
Pappas 18:25
parachute 293:2
paradigm 53:20; 277:14;
284:25
paragraph 25:16, 17, 18;
26:6; 94:9, 23; 95:5, 7;
108:2, 3; 114:9, 13;
123:14, 18, 19, 23; 124:2,
2, 4; 125:2; 130:2, 3;
131:9, 23; 132:22, 23;
134:8; 145:16; 157:13, 18;
172:15, 19; 176:4; 178:16,
20, 23; 179:12, 17; 180:3;
182:10; 212:7; 224:22;
226:25; 227:23; 228:11;
243:19; 248:6; 273:23;
279:7; 280:7, 9; 296:25;
318:10
paragraphs 27:7; 28:4;
124:8; 125:14; 134:4;
178:15; 223:9; 234:9
paralegal 79:24
parallel 77:18; 78:13, 15,
19; 79:18, 20; 102:22;
103:3, 23
parameters 112:10
parenthetical 172:22;
176:18; 281:2
parlance 34:11; 150:7
part 23:18; 38:20; 39:3;
47:6; 52:15; 66:4; 73:3;
103:14, 17; 114:19;
142:15, 24; 143:2; 156:24;
171:20; 200:6; 206:24;
209:22; 210:9; 221:2, 7;

227:8; 231:5, 21; 237:25;
258:10; 276:16; 290:25;
295:6
Partially 231:15
particular 35:18; 49:13;
52:2; 65:21; 73:18; 74:16;
76:25; 152:25; 203:3;
206:9
particularly 128:19, 23
parties 16:4; 17:25; 21:5;
168:20; 197:18; 277:24;
302:19; 303:25
Pass 319:10
pass-through 77:14
Past 22:7, 11, 17; 55:21;
265:12
patent 15:16; 20:21; 21:2;
22:3; 25:20, 21; 55:23;
67:8, 12, 17; 71:12; 72:18,
19, 21; 85:12; 95:12;
96:13, 20; 99:17; 101:22,
25; 105:11, 24; 106:10;
109:5; 110:8; 113:4;
114:8, 22; 119:14; 120:10;
124:9; 126:9, 15; 132:15;
135:24; 140:4; 141:15;
143:2; 149:21; 165:8;
167:19; 168:5; 192:17, 19;
199:2, 12, 18; 200:3, 6, 10;
201:7; 202:18, 23; 203:14;
204:15; 205:13; 207:3;
208:6, 24; 209:12; 212:17,
17; 213:9; 215:16, 20;
216:3; 219:16; 223:10, 17;
224:10, 15; 227:2, 6, 14,
22; 234:17; 238:10;
240:20; 241:6; 243:24;
246:2; 247:15; 249:13;
250:3, 21; 253:16, 25;
254:14; 256:15; 259:16,
23; 260:22; 280:12;
281:11; 290:4, 25; 291:2;
293:8, 9; 294:15; 295:23;
300:14; 307:24; 308:3;
315:2, 17
patentability 291:17
patented 237:21
patentee 112:13; 240:10
patents 18:16; 24:15, 17,
23; 25:10; 26:4, 12; 31:2;
36:19, 20; 37:2, 6, 9, 13;
42:3; 59:25; 60:12, 12;
63:9, 11; 71:15; 106:7, 12;
107:8, 17; 118:20; 120:22;
121:8; 123:8; 131:7;
132:24; 133:12, 25;
134:11, 22; 135:7, 10;
140:13; 143:7; 144:15;
146:6; 154:22; 156:11;
157:20; 158:22; 159:6, 8;
160:5, 11, 15; 163:16, 25;
164:8; 169:10, 11; 170:17;
185:3; 186:2, 12; 190:10,
15, 20; 196:9; 200:22;
207:11, 17, 20, 23; 208:8;
209:4, 5; 215:15; 219:21;
224:25; 228:4; 232:3;
235:8; 253:15; 257:4, 17,
18; 258:17; 259:8; 267:22;

268:12; 274:3, 23; 275:16;
277:11; 279:19, 24; 281:5;
284:22; 286:20; 296:20;
298:10; 299:19; 300:14;
316:8; 318:21, 24; 319:3
path 131:22; 151:19;
201:4; 203:20, 24, 25;
204:3
patterns 83:15
Paul 172:7
Pause 121:21; 201:18;
202:3; 210:4; 228:14;
236:16; 237:9; 244:19;
245:22; 251:11; 265:10;
270:7, 15; 271:5; 273:8;
276:4; 279:2; 305:3;
319:15
pauses 271:9
pay 7:4
PAYNE 4:3, 3; 5:13, 24;
8:6, 16, 23, 9, 15; 10:23;
11:16; 12:2, 5, 10; 16:21;
17:2; 23:2, 6; 29:17, 20;
47:13; 51:5, 8; 54:15, 21;
61:23; 80:10; 111:14;
113:8; 127:3; 138:13;
171:3; 177:25; 178:7;
191:12; 201:23; 203:11;
204:24; 219:24; 223:12;
224:19; 227:8; 229:6;
230:5; 232:8, 20, 24;
242:21; 243:7, 11; 245:3,
9, 16; 246:6; 247:18;
251:17; 253:18; 261:6;
268:22; 291:4, 13, 24;
292:6, 19; 293:23; 294:4;
300:10; 303:4, 12; 311:15;
312:22; 316:13, 17, 21, 23;
317:15, 19; 319:10, 14
PCM 145:6, 16; 147:4, 11,
15, 22; 148:9, 18; 149:13,
14; 150:7, 17, 23, 24
Pegasus 16:8, 9, 10, 14;
19:25; 20:11; 21:20; 22:3,
7
Pegasus/DirectV
196:22
pen 263:21
pencil 263:19
pending 245:20
people 8:12; 26:22; 41:2,
20; 42:23, 24; 84:10;
110:13; 112:14; 164:18;
193:14; 194:3, 4, 7, 9, 10,
19, 22; 211:18, 18; 250:14;
274:23
per 45:8, 22; 46:3, 10;
48:15, 16, 19, 20, 21, 23;
80:18; 98:12; 99:11, 12,
24; 101:7, 13, 17, 23;
102:2, 5; 103:16; 115:7,
10, 13, 15, 20, 21, 25;
116:2, 11, 13, 17, 18;
117:4, 8; 124:20, 20;
141:12, 16; 142:4; 149:23;
150:2, 16; 212:4, 6; 249:7;
250:24; 254:7, 16; 264:25;
265:3; 293:18, 20, 22;
294:9, 11, 13, 22; 296:16

percent 73:23; 95:10;
97:9; 181:7
perfect 299:24
perfectly 82:23
perform 90:12; 136:23
performance 88:23;
89:9, 19; 90:19; 109:23;
112:9; 125:15
performed 125:13; 174:7
performing 134:22;
135:7; 138:4; 142:8; 143:8
performs 93:25; 94:2;
136:2, 4, 7, 8
perhaps 12:7; 19:2;
27:22; 30:10; 31:10; 33:2;
35:15; 40:6, 20, 21; 53:15,
20; 61:24; 72:8; 86:25;
98:17; 117:24, 25; 141:8;
156:3; 168:21; 211:19;
225:4, 14, 14; 262:19;
275:4; 310:15
period 9:25; 45:5; 174:4;
250:14; 253:23; 259:2, 3,
4, 9, 11, 14; 263:25;
269:22, 23; 274:5, 17, 17;
297:22; 298:7, 16, 19, 25;
302:2, 8, 8; 303:2; 304:11,
16, 23
periods 202:10; 260:24;
298:10; 300:15, 15
peripheral 141:7
person 25:4, 9, 19; 26:7,
14, 17; 28:6, 21; 33:2;
38:2; 39:8, 11, 12, 24;
41:16, 16, 18; 49:20; 51:3,
18; 54:8, 10; 71:20; 84:6,
7; 104:5; 111:22; 143:17;
144:7; 145:24; 146:6, 15,
23; 148:2, 5, 6, 8; 154:21;
155:5, 7; 164:14; 171:10;
183:9; 191:18; 192:13;
193:12, 16, 24; 235:6;
238:8, 15; 239:17; 285:24;
290:12, 16, 21; 299:17;
317:7
perspective 36:13, 23;
70:11; 110:2
pertain 60:13; 318:9, 23
pertained 15:20, 22;
18:13
pertaining 15:22
pertains 25:9; 66:23;
274:9; 284:5; 302:21;
304:3
Ph.D 27:15; 28:21; 29:25;
30:9, 19, 20; 32:22
phone 165:4
photocopy 137:22
phrase 36:7, 25; 110:9;
166:10; 168:22; 169:2;
172:17; 189:2; 203:8;
206:3; 207:4, 18, 19;
209:19; 231:13; 233:19;
235:13, 17; 236:11;
240:16; 284:11
phrased 57:21; 128:15;
164:11

phrases 233:7, 9
phrasing 70:2; 318:14
physical 34:11, 13; 35:7,
17; 36:2, 4, 11; 37:22;
38:8, 11; 39:6; 40:25; 41:9,
12, 16, 19, 25; 42:13, 23,
24; 61:8, 10; 167:9, 11;
310:14
physically 34:17; 310:8;
311:21; 313:17, 19, 23;
314:9; 315:12
pick 32:7; 84:21; 106:24;
193:16; 209:4; 250:7
picked 87:9; 188:4
pickup 313:10, 16
picture 86:12; 87:13;
88:9; 137:22; 225:9;
250:9; 301:10
pictured 311:3
pictures 179:2; 182:20;
183:14
piece 40:12, 15; 87:10,
16; 137:16, 20; 163:19;
231:9; 263:19; 270:13;
271:2, 6, 10, 11, 12, 20,
21; 272:2, 13, 15; 286:23;
287:5
pieces 18:12; 76:24;
152:3; 203:12; 226:8;
262:24; 268:12; 269:11;
270:23, 24; 272:11; 287:4,
11
pixel 48:15, 15, 19, 20;
79:2, 8; 80:19, 23; 84:14;
91:14, 14, 18, 18; 99:2, 3;
100:16; 101:13, 17;
149:25; 249:7
pixels 47:25; 48:16, 21;
85:14, 18, 22; 86:6, 8;
87:15, 21; 89:5, 8, 14;
94:11; 96:2, 9, 22; 97:9,
15; 99:10, 12, 23; 108:21;
110:4, 7; 141:12, 16
place 127:4, 6; 233:23;
310:18
places 57:4; 72:10;
86:15; 87:21; 119:13;
122:24; 126:8; 134:2
plan 230:6
plane 98:16; 141:23;
142:19
planes 92:21; 99:20, 21;
103:8; 104:6; 137:9, 13,
14; 141:24; 142:11, 13, 15,
17
play 236:23; 237:20, 23,
24; 238:6; 239:24, 24;
240:9; 272:23; 297:7;
299:8; 300:12
playback 229:4; 232:19;
233:19; 235:14, 18, 20;
236:12; 237:8, 16, 18;
239:19, 25; 240:6, 13, 16;
241:3; 298:20
played 298:12
playing 238:4; 239:9;
297:15

please 4:14; 7:8; 23:21; 27:21; 55:10, 19; 65:4; 101:5; 121:19; 201:24; 243:8; 245:23; 273:22; 316:25; 317:2; 318:2
plug 315:17
plugged 252:5
plural 76:10
plurality 168:10
point 7:7, 20; 27:17; 32:12; 35:8, 9, 22, 22; 37:21, 21; 39:8, 9, 13, 14; 41:10, 14, 14; 42:11; 54:16; 62:16; 64:10, 10, 14, 14; 65:15, 15, 22; 66:13, 13; 67:2; 69:20, 20; 70:12, 12, 13, 14, 15, 15; 71:5, 5, 25; 79:14; 87:2; 94:20; 95:2; 101:21; 113:9; 122:3; 135:22; 155:6, 12; 181:4; 202:14; 214:11; 224:22; 237:4; 258:11, 13; 267:12; 270:11; 281:18; 282:4, 4, 22; 283:10; 291:7; 292:11; 317:14
Point-to 69:12
point-to-point 63:15, 21; 64:5, 16; 65:7, 8; 66:10, 16, 22; 67:13; 68:18, 22, 24; 69:10, 22, 24; 70:5, 19, 20, 22; 71:3, 7, 7, 10; 72:11, 14, 15; 239:5, 6
pointed 225:13; 296:5
pointer 261:22, 23; 268:6, 6; 281:20
pointers 281:22
pointing 141:25; 309:21
points 64:12; 206:9; 261:23; 270:5
port 210:11; 222:8
portion 95:12; 114:14; 134:8; 181:18; 205:22, 24; 237:5; 276:21; 277:5, 23; 278:8; 283:11; 284:11; 288:19, 22; 289:25; 301:2, 11; 311:19
portions 153:18; 205:21; 289:22
posed 34:14
position 76:6; 278:14
positive 57:21
possibility 282:7
possible 22:25; 23:23; 30:24; 80:22; 87:20; 92:16, 22; 101:12; 102:16; 105:21; 142:21; 143:22; 281:23; 309:9
post-processing 152:9
potentially 75:5; 131:12; 140:5; 148:6; 150:20
powered 81:13
pre-designed 163:21
pre-processing 152:9
pre-squashed 179:7
Pre-Statement 55:24

precedes 123:19
precisely 295:4
precision 190:2
predetermined 287:22; 288:7
predict 84:25; 87:2; 88:9
prefer 230:7
premarked 3:2
premastering 231:3, 4; 307:6
prepare 5:11; 6:6, 10, 15
prepared 6:11; 9:8; 10:3, 5
preparing 9:4, 20, 23; 11:10; 199:21, 24; 200:19
prescribed 248:13
presence 315:24
present 14:19; 33:7, 10
presentation 91:7; 112:23
presentations 129:12
presented 239:20
presenting 85:4; 128:19; 295:5; 318:19
presents 48:13
presses 272:4; 273:8
presumably 52:10; 115:10; 167:23; 187:16
presume 187:19
pretty 193:16
previous 108:13; 120:8; 145:12; 274:11; 309:6
previously 46:7; 128:7; 161:10; 207:9; 214:22; 256:9
Principles 181:19; 183:20; 184:4
prior 15:13; 59:20; 81:11; 196:8; 199:7, 18, 20, 23; 200:3, 6, 15, 18, 22; 229:15; 257:10; 268:2, 11; 287:2; 296:3, 3; 318:10
probabilistic 136:12
probably 11:4; 73:24; 83:20; 90:15; 144:13; 166:21; 167:24; 178:25; 183:4; 211:24; 245:12; 252:14, 23; 275:9
problem 12:15; 34:14; 130:14, 20; 131:17, 19
problems 53:20
procedure 130:4, 14, 20; 131:16
proceedings 7:20
process 76:11; 77:17; 80:14, 18; 81:12; 82:19; 25; 95:13, 14; 98:24; 99:7, 16; 102:16; 103:6; 106:18; 114:20; 123:21; 125:22; 141:13, 14; 174:13; 250:13; 251:18; 304:21
processed 82:17
processes 76:15; 134:15
processing 77:13; 78:18; 80:2, 7, 11; 84:7;

99:2; 100:24, 25; 104:8; 118:24; 140:2; 158:11, 17, 22; 159:3; 163:4, 6, 12; 164:14; 185:25
processor 80:24; 139:20, 23; 288:3
processors 254:20
produce 92:9; 118:5; 173:12; 250:17
produced 49:16; 279:13; 305:21; 306:4, 7
produces 91:19; 92:23
product 109:21
production 44:12; 58:15; 181:20; 305:22
products 190:8
Professional 14:13
professor 14:13, 15, 17
proffered 233:6
program 105:10, 21; 114:14; 171:19; 222:14, 18; 226:21; 257:13, 14, 15, 16; 258:20; 265:8; 269:12, 13; 270:14, 23; 276:21; 277:5, 23, 25; 278:8, 10; 279:25; 280:2, 19, 23; 282:2, 12; 283:20; 284:11; 287:4, 6, 11; 288:20, 23; 289:9, 21, 22
programmable 77:8; 139:25
programming 163:16
programs 215:23, 24; 218:6, 9; 279:10
progressing 155:11
projects 153:16
promise 201:15
promoted 14:12
propagation 35:4; 189:14; 255:23; 256:12
proper 157:18
properly 252:13
proposed 228:17, 21, 24; 233:11; 236:6
prosecution 227:2; 228:4
protective 5:17; 6:4; 11:2, 6, 12
protocols 35:12
provide 6:21; 12:7; 19:10; 20:3; 24:13; 27:8; 28:9, 16, 20; 51:25; 105:5; 107:2, 17; 131:13; 135:10; 159:14; 190:4; 240:13; 278:23
provided 19:17, 21, 24; 20:12; 22:21; 24:21; 33:4; 88:25; 107:8; 119:23; 160:20; 185:19; 258:18
provides 105:3; 109:23; 112:8; 121:19; 163:19; 250:11; 252:2
providing 25:2, 13; 142:19; 252:11
Public 4:9; 17:5

publication 52:9
published 147:2; 155:18; 193:8
pull 67:8; 229:25
pulled 196:18
pulse 189:12, 23
pulse-coded 147:16
pulses 189:13, 18, 20; 190:4, 7
purchase 71:21
purely 212:15; 215:6
purpose 128:19, 23; 138:25; 139:20, 23; 155:22
purposes 11:23
pushing 81:7
put 33:25; 45:4; 67:7; 77:15; 78:5; 94:16, 24; 103:6; 112:18; 131:9; 152:7, 9, 25; 154:11; 166:6; 175:9; 177:17, 25; 211:21; 215:17; 219:16; 226:8; 236:8; 258:3; 262:7; 264:19; 291:25; 302:24; 304:8
puts 75:8
putting 93:22; 130:18; 256:13

Q

qualifications 33:11
qualifier 254:2
qualifiers 171:12
qualifies 54:5
qualify 32:25; 38:12, 13; 109:16
qualities 92:9, 10
quality 92:15; 101:8, 8; 112:9; 116:7, 10, 13; 117:12; 141:22; 144:5
quantization 46:21; 142:17, 17, 21; 143:23; 148:21; 149:13; 150:4; 152:5
quantize 143:24; 144:2, 2; 150:23
quickly 32:7; 158:13; 265:16, 18; 276:21; 277:5
quite 86:14; 129:12; 178:8, 11
quote 237:10; 278:25; 280:17
quoted 229:23

R

radar 189:6, 8, 10, 11; 190:5, 9; 191:4
radio 60:4, 7, 9, 24; 62:22; 63:2, 3; 153:13, 15, 19; 161:24; 166:25
raise 81:16
RAM 143:13; 312:17;

314:13, 17
range 34:20; 176:19
rare 17:6
rate 45:21; 46:10; 47:3, 3; 48:16; 49:17; 51:12, 25; 52:2, 14; 74:13; 98:23, 25; 100:25; 102:11; 115:7, 12; 117:3, 7, 17, 21; 118:7, 22, 25; 125:18; 141:25; 172:18, 23; 179:24; 180:2, 8, 21, 22; 181:3, 5; 182:17; 185:17; 186:24; 187:6, 15, 21, 24; 195:21; 204:16; 207:8; 210:7; 211:6; 212:3, 8; 249:7; 254:6, 16; 270:4; 275:22; 295:22; 298:13; 302:24; 304:7, 19; 305:8, 12, 20, 21; 306:3, 5, 6, 6
rates 99:2
rather 97:4; 258:4; 275:5; 279:10
raw 118:14, 15; 136:5; 141:25; 142:6; 152:10; 254:17
ray 76:5
reached 315:19
reaction 60:18; 276:3
read 9:17; 11:6; 23:16, 17, 21, 22; 24:6, 7; 43:18; 59:16; 60:19; 73:3; 91:16; 95:16; 103:19; 104:13; 115:22; 164:5; 172:21; 174:10; 193:15, 15; 201:14, 14; 202:15; 203:18; 209:22; 210:2; 213:17, 20, 24; 214:19, 22; 224:4; 229:7, 17; 235:8; 250:20; 261:19; 274:9; 275:25; 303:13, 15; 304:19, 24; 305:11, 15; 306:10; 308:3; 309:11; 310:11; 311:23; 315:18
reading 53:4; 71:17; 180:19, 23; 212:15; 213:9; 214:12; 223:24; 226:21; 231:17; 240:23; 274:13; 304:15, 22; 306:9
readout 261:21, 23
reads 23:11; 45:19; 56:13; 256:17
ready 244:23; 245:14; 264:16; 271:12, 16
real 100:24; 102:16; 254:2, 22; 269:9, 13, 14; 270:13, 14; 271:13, 25; 274:10; 275:6; 278:8; 285:9, 20; 286:5, 5; 287:5, 6, 8, 11; 289:8, 10, 14; 295:25; 296:12
real-time 45:7, 20; 46:2, 5; 202:11; 259:4; 269:23; 274:18, 24; 286:22; 292:17, 21; 293:5; 300:16
reality 250:23
realize 277:11; 284:23; 286:20
really 42:20; 43:2; 75:2;

109:18; 123:3; 214:14;
216:8; 251:6
RealNetworks 20:20, 22;
21:21; 22:10
rear 107:2
rearrange 131:21
rearranged 129:18, 21
reason 60:10, 15; 83:13;
186:10; 202:6; 231:13, 16
reasonable 79:3, 6;
112:9, 9, 10; 136:12;
295:10; 305:24
reasoning 85:17
recall 33:14; 47:8; 61:8;
74:12; 146:13, 17; 161:2;
169:13; 202:14; 224:2;
228:2; 253:12; 300:25;
317:21; 318:4
receive 37:21; 74:22;
189:23; 258:15, 16; 269:8;
296:6
received 154:9; 210:12;
239:18; 258:13; 265:13;
282:15; 285:12
receiver 65:12; 269:24;
270:4; 274:18; 275:21;
288:10
receives 98:20; 235:19;
239:10
receiving 89:20; 189:13;
231:18; 237:7; 285:7, 12,
22; 286:14; 290:20; 292:3;
296:6
reception 65:22; 258:15
Recess 54:25; 82:10;
113:17; 127:11; 149:7;
195:6; 253:4; 306:18
recipe 32:12
recognition 275:3
recognize 86:21; 227:20;
269:20; 274:15
recognized 156:5;
157:10
recollection 17:21
reconfigure 188:6
reconsider 42:21
record 3:7; 4:15; 7:3;
21:11, 13; 54:24; 55:3;
82:9, 13; 94:10; 96:21;
108:20; 110:6; 113:16, 19,
21, 23, 24; 114:4; 127:10;
128:5; 149:6, 9; 195:5, 9;
226:20; 252:5; 253:3, 8;
297:15; 303:15; 306:15,
17, 20; 309:11; 319:20
record's 233:2
recorded 256:9, 24
recorder 216:25; 217:10,
14, 19
recording 95:25; 98:14;
222:14; 297:8
records 6:21
recreate 299:13
rectangle 76:5
rectangular 56:10, 15

red 81:16; 86:22
reduce 117:17; 118:25;
143:15; 152:18, 24;
172:25; 182:18
reduced 106:20; 183:16
reduces 118:12
reducing 118:6, 9;
134:23; 135:3; 138:5;
152:14; 159:14; 162:5;
166:15; 185:16; 195:16;
215:2; 295:18
reduction 132:25; 133:8,
10, 13, 22; 134:12; 162:2
refer 76:24; 91:9; 111:22;
122:11; 130:18; 138:7;
155:21; 168:12; 169:5;
172:17; 201:16; 207:5;
216:7; 223:18, 21; 234:6;
235:2; 236:18; 251:5;
255:6; 278:9, 22; 280:5,
11; 308:15; 313:22; 314:8
reference 57:18; 107:21;
148:9; 162:16; 166:3;
172:11; 182:4; 195:22, 25;
196:5, 8, 12, 15, 25; 197:4,
11, 19, 22; 198:2; 203:2;
204:11; 228:3; 230:23, 24;
231:11, 12; 241:16; 242:7;
243:25; 247:8, 19, 20;
248:3; 300:20; 306:22
referenced 314:3
references 55:14; 56:19;
57:3, 10, 11, 15, 23, 24;
58:5; 122:18; 155:16;
162:7; 165:24; 188:21, 24;
191:10; 198:23, 24
referred 59:2; 97:20;
103:22; 105:9; 116:12;
119:13; 176:3; 182:2;
220:8; 227:23; 231:25;
244:14; 276:14; 305:12;
312:16; 314:3, 5; 316:9
referring 38:24; 43:12;
46:24; 56:16; 57:12;
64:19; 71:13; 75:12;
105:13; 108:4; 110:6, 9;
111:10; 140:5; 148:11;
161:9; 164:19; 175:18;
178:24; 179:6; 180:3;
182:22; 188:21; 213:6, 22;
214:23; 218:16; 220:7;
222:25; 230:13, 19;
232:21; 233:4; 234:22;
237:2; 246:13; 256:23;
260:2, 7; 269:17; 275:11;
277:24
refers 57:19; 60:3;
105:16; 109:5; 110:21;
122:12; 161:15; 168:10;
170:8; 173:16; 186:5, 8;
201:2; 212:20; 214:4;
215:22; 216:10; 217:3, 10,
14, 24; 218:11; 222:7, 13,
22; 223:18; 224:10;
225:12; 248:6; 249:9, 21;
259:19
reflection 189:13
reframe 111:18
refresh 156:8

regarding 246:9
regardless 17:11
region 65:17
regularly 14:5, 6
relate 26:4
related 85:4; 89:20
relationship 59:14
relative 129:19; 133:10;
159:15; 162:6; 166:15;
189:21; 195:17; 246:10;
250:19
relatively 65:10; 189:25;
202:11
relay 64:11; 65:18; 69:8;
70:9, 13, 14; 71:5; 237:22
relayed 37:11
relaying 35:2; 70:16
released 161:25
releasing 161:16;
166:19, 22
relevant 129:9, 13;
160:4; 319:4
relief 5:22
relies 180:17
relies 11:9
reloading 222:18
rely 21:9, 16, 18; 81:4
relying 142:20; 240:15
remain 89:8
remainder 310:7, 9;
311:21; 312:20; 314:16;
315:13
remember 10:19, 20;
14:25; 21:4, 6; 57:20; 81:6;
98:21; 100:7; 156:17, 20;
157:5, 9; 169:11; 178:11;
196:20; 198:15; 199:25;
200:20; 208:15; 209:25;
253:17; 268:14; 281:21;
287:14; 307:5
remembering 81:5
remind 42:8; 201:11
remote 215:24; 218:12;
223:19; 224:11, 14; 225:9,
12, 12; 226:5
remove 144:3
removed 84:14
removing 129:8
repeat 67:23; 69:19; 85:9;
159:23; 188:20, 22;
237:2; 246:13; 256:23;
260:2, 7; 269:17; 275:11;
277:24
repeated 84:19
repeating 158:18
rephrase 262:20
replace 284:10
replaced 272:12
replacement 115:22
report 9:7, 11, 20, 23;
10:3, 5; 13:20, 25; 15:6;
19:10, 14, 15, 16, 18, 22,
25; 20:3; 22:21, 24; 23:10;
25:6, 14; 34:3; 37:25;
42:15; 43:19; 55:6; 56:12,
18; 57:14, 23; 59:17; 66:4;
70:22; 128:20, 24; 129:25;

131:5; 132:20; 139:7;
144:12; 146:4, 14, 21;
154:12, 20; 155:14;
157:13; 164:21; 165:25;
166:4; 169:3; 172:12, 16;
182:3, 16; 185:19; 189:4;
191:15; 198:25; 199:21,
24; 200:19; 201:9; 202:22;
204:13; 206:7; 207:6;
210:17; 211:8; 225:13;
226:23; 227:9, 24; 228:19;
230:19; 231:25; 236:15,
17; 237:11; 240:17; 275:8;
276:14; 291:23; 292:13;
296:23; 307:6; 316:24;
317:4; 318:2
reporter 3:19; 4:6; 6:21;
7:3
Reporting 3:20
reports 6:12; 20:13; 23:4;
278:2
represent 3:20; 47:21;
119:2; 121:12; 141:22;
149:25; 198:23; 208:16;
215:9; 252:22; 309:18;
314:25; 316:23
representation 106:19;
137:24; 157:19; 242:10;
247:11; 259:5, 20, 24;
260:8, 10, 14, 19; 261:12;
266:19; 267:8, 9, 12, 14;
270:7; 281:15, 18; 282:15,
22; 283:6, 11, 12, 15;
286:12, 13; 290:7; 298:23;
299:10, 18, 19, 21, 24;
300:3, 5, 16; 301:12, 16,
18, 20
representations 150:21;
269:21; 270:3; 274:16;
275:21
represented 158:18;
259:13; 296:17
representing 4:2; 16:7;
47:25; 99:18; 101:13;
150:8, 11; 257:14, 15;
302:23; 304:6
represents 87:16;
107:20; 116:13; 163:17;
252:21; 257:6; 259:11;
297:6; 298:11; 301:6
repro 314:23; 315:5
reproduction 312:10,
17; 314:4, 5, 12; 315:2, 7,
12, 25
Request 243:11, 13
require 42:15; 103:22;
235:18; 259:8; 295:15
required 31:6; 118:14;
233:12; 274:6; 293:5;
297:7
requirement 173:14, 17;
261:8; 295:19
requirements 95:22;
117:18; 118:11
requires 104:3; 132:25;
133:13; 260:17; 278:17;
292:22
requiring 235:19

requisite 155:4
reread 93:11; 273:23
research 156:4
resend 270:16
reservation 247:3
reserve 202:14
resolution 190:5; 250:18
respect 37:5; 40:4; 42:2;
65:14; 91:24; 92:2, 8; 97:8;
120:25; 142:7; 143:12;
144:5; 161:22; 174:18;
175:5; 185:4; 189:6;
190:5; 194:15; 204:14;
205:22; 206:5; 207:4;
246:7; 298:9; 300:13;
301:23; 305:23; 307:24
respectively 165:24
response 169:19
responses 33:25
rest 312:25
restate 42:6
result 134:14
resulting 49:17; 51:12;
152:12; 215:4; 249:6
results 48:12, 13, 19
resume 154:16
resumed 128:7
retain 12:23
retained 10:9, 13; 11:24;
16:7, 10, 14; 18:18, 20;
20:15, 19, 20, 22, 24;
21:24
rethink 41:22; 42:18
returned 12:21
reuse 281:24
review 58:4; 208:5;
245:17
reviewed 6:11; 73:4, 7;
184:16; 199:7, 17, 20, 23;
200:15, 18; 207:17; 208:8;
209:17; 253:10
reviewer 210:20
reviewing 209:23
revolution 31:19
rewind 270:7, 15; 272:5;
273:8; 276:5
rewriting 281:25
Richard 208:12
rid 164:15
right 8:7; 11:17; 12:24;
13:9, 21; 15:10, 14; 16:8;
21:9, 14; 22:3, 17; 23:19;
24:3, 15, 23; 27:18; 28:14;
29:4, 11; 30:17; 32:20;
33:5; 36:4; 38:15, 22; 39:7;
42:9, 18; 43:9, 24; 44:7,
22; 47:4; 49:4; 51:4, 6, 16;
58:2, 3; 66:5, 8, 11; 69:11;
70:17; 73:19; 76:12;
78:10; 79:16; 80:4; 81:20;
83:2, 7; 85:24; 86:6, 12,
13, 18; 87:17, 22; 89:10,
18; 91:17; 92:24; 93:14;
94:8; 96:3, 6, 20, 23;
97:11; 99:5, 13, 14;

100:14, 17, 20; 101:2, 23;
102:2, 5, 17; 103:8, 23;
104:3, 17; 105:14, 19, 20;
107:14; 109:8; 114:17;
115:2, 11; 116:5, 17;
117:5, 8, 9, 13; 118:10, 13;
119:23; 121:20; 123:24;
131:18; 132:13; 136:18;
137:5, 23; 138:17, 20, 21;
139:12, 21; 140:7; 142:3;
143:3; 148:12; 149:15;
150:19; 151:2, 17; 155:9,
19, 20; 156:25; 159:3, 13;
161:10, 11, 21; 162:13;
166:12; 167:6; 171:13;
172:19; 173:2, 6; 175:9,
14; 177:3; 178:20, 25;
179:10, 19; 180:11, 22;
182:4; 183:3, 13, 25;
184:9; 186:3, 7, 12; 191:9;
202:15; 207:7; 210:24;
211:2; 212:3, 5; 213:11;
216:25; 218:3, 9; 220:20;
222:19; 223:2; 228:25;
229:23; 230:3, 25; 233:8,
20; 234:19, 23; 235:3, 7;
236:3; 238:12, 16, 25;
239:10, 14, 25; 240:2;
241:19; 242:3, 23; 245:13;
247:11; 248:9; 249:12;
252:11, 13; 254:8; 255:7;
256:10; 257:20; 260:4, 15;
262:4, 6, 18; 264:3, 12;
265:13, 21; 266:4, 5, 7, 8,
20; 267:18, 19, 22; 272:4,
16; 273:3, 12; 279:24, 25;
280:13; 281:15, 21; 282:8,
16; 283:18, 21; 284:3, 13;
285:3, 9, 17; 286:3;
287:12, 19; 288:17, 20, 23;
289:3, 10, 15, 23; 290:3,
13, 17, 22; 292:24; 293:3;
294:12; 295:9, 15, 20, 25;
296:12; 297:8, 21, 22;
298:8, 15, 17, 21, 25;
299:3; 300:3, 9; 301:7, 11,
15, 18; 302:7, 9, 11, 14,
15; 303:17, 19; 305:13;
306:10; 307:9; 310:25;
311:10, 14; 313:6, 14, 18,
24; 314:10, 14, 18; 316:8
right-hand 59:9; 173:9
rigid 225:4
ring 67:22
Roberts 199:11, 18
room 112:23; 208:18
rough 32:2
roughly 201:2
routed 35:9
RPM 297:15
RPR 4:9
rule 6:20; 55:23
rules 6:18
run 77:17; 102:21;
103:12, 15, 17; 121:14;
139:15; 142:10; 278:10
running 121:23; 138:17;
140:6; 272:17
runs 76:13; 93:13; 95:5;

139:20
Russian 146:25; 147:2

S

S 4:7; 128:6
SACD 116:23
safely 292:25
same 7:4; 11:4, 5; 23:4, 8;
63:17, 18; 64:16; 77:25;
78:15; 86:17; 89:8; 91:3,
11, 19; 100:17; 117:12;
150:21; 161:5, 5, 20;
162:4, 25; 166:18; 167:4,
9; 168:22; 174:4, 19;
177:12; 179:4; 182:14, 14;
183:17; 185:3; 186:25;
187:9; 194:20; 212:9;
213:12; 215:10; 227:13;
232:13; 239:13; 255:6;
256:12, 23; 260:18, 19, 23;
265:14; 268:7; 273:19;
301:21; 302:25; 304:10,
15, 22; 309:2; 314:7
sample 84:15; 115:12;
116:2, 11, 14, 18; 117:8;
124:19; 151:8
sampled 180:2, 19
samples 115:10, 13, 15,
21, 25; 117:4; 118:15, 15;
124:20; 151:7; 152:10;
178:22; 180:7, 23, 24;
181:2
sampling 114:13, 19;
115:7; 117:3, 17, 21;
118:7, 22, 25; 174:13;
180:22
Santos 3:17
sat 129:3
satellite 18:4; 34:21;
35:3, 10; 37:12; 64:6, 9,
11, 13, 13, 17, 23; 65:6,
11, 12, 18, 20, 25; 66:12;
67:14, 19; 68:10, 13, 19,
23; 69:21; 70:7, 9, 9, 16;
71:3, 13, 19; 72:3, 7, 11,
16; 175:14, 19, 22; 176:2,
23; 177:2, 20, 21; 184:15;
186:15; 188:7; 236:2, 3;
238:12, 18, 20, 25; 239:8
satellites 15:21; 17:24;
18:2, 13; 63:12, 22; 66:4,
7, 21; 69:7, 14; 72:2;
175:24
satisfied 42:15; 282:17,
20
satisfy 283:14
saving 305:7
saw 148:9; 196:17
saying 40:11; 47:19;
49:15; 69:15, 21; 71:17;
81:16, 19; 161:8, 19;
178:6; 179:9; 203:18;
232:11; 246:21; 258:4;
278:2; 304:18
scale 27:8; 29:2, 21, 25;
131:20, 20; 137:11, 13, 20;

301:13
scan 137:24; 168:10;
250:10; 287:21; 288:4, 17;
289:2, 4, 6, 8, 15, 18, 25
scanned 137:17, 21
scanner 74:23; 81:9
scanning 250:19
scenario 263:24; 264:10,
15; 270:6
Scene 44:21; 46:18; 52:6;
97:6; 248:17
School 14:17; 52:18, 21,
23
scientist 146:25
scope 266:15
se 98:12
search 121:15, 24; 122:2;
198:5, 9, 21
searched 198:11
searching 198:17
second 25:16; 26:6, 25;
45:8, 22; 46:3, 10, 19;
48:17, 21; 57:5; 72:19;
99:11, 13; 101:15; 102:2,
5; 113:23; 115:7, 11, 13,
15, 20, 22, 23, 24, 25;
116:17; 117:4; 124:20, 20;
135:22; 141:12, 16; 142:4;
168:15; 173:5; 176:4;
179:17; 193:8; 208:3;
212:22; 213:2; 218:3;
224:14; 229:7; 250:25;
251:20; 254:16; 256:2, 7;
258:8; 263:3, 25; 264:19,
19; 268:18, 18, 19; 271:19,
20, 21; 272:22; 293:18, 20,
22; 294:9, 12, 13, 22;
296:16, 25; 300:19
secondly 51:24
seconds 263:2, 3, 5, 5,
10, 10, 11; 264:11, 15, 18,
18, 25, 25; 265:3, 25;
266:4, 6; 271:21; 272:23,
25; 273:6, 10
section 24:9; 25:6, 14;
28:4; 46:13; 48:13;
128:18; 129:22; 144:23;
145:3, 6, 12; 146:4, 14, 20;
147:4, 6; 200:25; 203:19;
224:20; 272:6, 7; 273:9;
275:11, 13; 276:13, 16;
281:24; 287:21; 317:4
sections 121:2, 6; 281:9
security 279:11
seeing 59:20; 171:11;
299:17
seem 230:15
seems 11:17; 28:25;
178:12; 203:17, 20; 212:9;
223:17; 302:7
sees 104:10; 252:14
segment 271:18, 18
segments 271:19
Seinfeld 255:9, 12
select 37:8; 281:9
selected 229:5; 234:10

semester 156:18
send 66:20; 69:22; 80:22;
90:25; 174:21; 178:14;
224:11; 270:6, 12, 13, 24;
271:11, 20, 21; 273:11, 19;
285:8; 288:16; 289:20
sending 66:8; 174:4;
175:10, 13; 177:19, 20;
189:11; 223:19; 229:3;
232:4, 18; 233:12; 235:2;
238:24; 239:5; 258:2;
268:12; 270:3; 271:5, 9;
275:20; 287:4; 288:25
sends 41:10; 287:11;
289:21
senior 156:17
sense 130:10; 138:5;
147:21; 149:13; 166:11,
14; 178:18; 181:11;
182:14; 183:11; 184:5;
185:15; 191:14; 201:8;
202:19, 20; 204:12, 18;
206:6; 210:16; 213:6;
215:2; 223:10; 224:11;
235:5; 238:14; 244:2;
246:4; 250:2; 267:20;
271:22; 272:20; 308:12
sensed 35:20
senses 167:15
sent 73:24; 177:22;
269:21; 270:8, 17; 271:19;
274:16; 276:5; 281:23;
287:5, 6; 289:8, 14, 17
sentence 38:20; 45:5, 10,
18; 46:4; 48:14; 49:14;
50:22; 68:4, 5; 69:4; 94:20;
95:3, 9; 106:23; 108:13;
117:16; 118:19; 119:3;
130:8; 131:4; 145:10;
152:2; 172:22; 174:11;
175:17; 176:18; 180:6;
206:12, 17; 222:17;
229:22; 230:22; 237:17,
19; 256:7, 17; 269:2, 16,
20; 274:14, 20, 21, 22;
275:19, 20; 276:2, 4;
277:2, 10; 284:20, 21;
295:13; 311:7; 313:25;
318:17
separate 80:19, 25;
99:19; 100:15; 221:7, 23;
227:12; 231:6, 20, 22;
235:10; 238:9; 307:19;
308:2; 310:7, 8, 14;
311:21; 312:18, 19, 24;
313:17, 20, 23; 314:9;
315:12
September 10:8; 84:23
sequence 49:13; 50:2;
66:25; 75:12; 84:16;
131:21; 206:11; 250:24;
257:9
sequentially 212:21;
213:24; 214:12; 261:19
serial 77:24
serially 242:9; 247:10
series 78:8; 79:18; 84:13;
106:19; 198:22

serve 70:9
serves 213:13
service 275:24
SESSION 128:2
set 36:20; 91:4, 5; 172:19;
206:6; 207:5; 210:7;
213:18; 228:23; 251:9, 12;
252:5; 253:20
setting 170:17
several 53:16; 101:4;
102:21; 223:14; 234:13;
255:16
shall 31:18; 71:21; 91:7;
182:21; 206:21; 232:7
shape 190:6
shaping 190:7
sharing 194:18
sheer 203:4
sheet 73:6; 81:4, 5; 98:25
sheets 73:3
Sheila 3:10; 4:7, 16;
128:6
shelf 196:18
shift 53:20; 300:19
short 157:8; 202:11;
260:25
shorter 158:18; 174:4;
183:16; 258:19; 259:2, 3,
9, 10, 14; 269:22; 270:25;
274:17; 301:13; 303:2;
304:11, 16, 22
show 226:3; 244:2;
255:13; 280:25; 281:6, 9;
310:15
shown 220:24; 221:2, 5,
6, 24; 228:17; 313:10, 13,
17
shows 172:16; 208:2;
226:10; 304:15; 312:18;
315:11
shrouded 315:10
side 16:14; 40:7; 59:9;
243:5; 272:20; 273:7
sight 71:24; 72:7
sign 17:18
signal 35:19; 49:17; 50:3;
62:5, 6, 14; 64:22, 24;
66:15; 68:17, 18, 24, 25;
84:6, 11; 118:24; 136:5;
148:16; 159:15; 162:3, 5;
164:14; 166:15; 167:5;
172:24; 173:17; 175:10,
14; 177:9, 15, 17, 21;
178:14, 19, 21; 179:2, 4, 7,
10, 11, 14, 15; 180:6;
182:21; 183:7; 186:14;
187:3, 7; 195:17; 202:8;
203:7; 205:20; 206:10, 13,
20; 210:20; 211:4, 5, 8;
212:3, 10, 13, 14, 22, 22;
213:2, 3; 215:4, 4, 4, 8;
249:22, 25; 250:17; 251:9,
13, 14, 16, 19; 252:2, 11,
18, 21; 255:20; 288:2, 4,
11, 12; 290:2, 12; 297:3, 7;
301:9; 302:9; 305:19, 25;
306:5

signalling 34:23, 25; 172:18, 23; 179:24; 182:17; 185:16; 186:9, 24; 187:6; 188:5; 195:20; 207:7; 210:7; 211:6; 212:8
signals 61:2, 5, 6, 21; 62:2; 66:8, 21; 69:8, 22, 23; 124:6; 136:20, 20; 138:20; 147:18; 158:17, 17, 19; 161:3; 165:3, 17, 20; 167:21, 22; 174:17, 17, 19; 175:6; 186:6, 6, 9; 201:3; 203:15; 210:10, 12, 25; 211:2; 214:3; 256:18; 302:3
signed 12:24; 13:8
significant 65:5; 277:6
similar 87:21; 150:21; 151:12; 178:24; 192:18; 203:2; 240:19; 276:4
similarly 104:9; 122:18; 124:24; 251:7
simple 48:20; 192:21; 226:2; 262:23
simplest 143:22; 153:4
simply 14:7; 30:7, 12; 37:7; 39:17; 41:9, 19; 51:11, 20, 25; 52:13; 92:20; 94:10; 102:21; 103:13, 25; 108:20; 149:14; 161:4; 171:8; 178:24; 179:8; 203:2; 206:11, 13, 19; 237:22; 256:3, 6; 275:5; 278:9; 302:22; 304:6
simultaneously 302:20; 304:2
single 47:24; 49:7, 12, 23; 58:7; 77:14; 88:9; 91:10; 92:2; 98:16; 99:5; 100:15; 103:20; 105:2; 109:10; 122:9; 129:2; 141:6; 157:24; 179:18; 190:25; 231:9; 258:5; 282:19; 288:22; 316:10
singleton 316:8
sit 43:6; 122:9; 245:7
sits 37:15; 163:19; 284:4; 315:22
sitting 35:6; 86:12; 93:12; 276:11
situation 270:22; 273:5
size 47:4; 79:2, 4; 92:4, 5, 6, 14; 100:9, 11; 142:6, 8, 21; 150:4
sizes 92:10; 118:6, 9; 150:11; 292:10
Skill 23:11, 20; 25:4, 7, 9, 19; 26:7; 27:10, 10; 28:7; 30:25; 33:2, 3; 39:24; 43:10, 11; 47:23; 49:3, 5, 21, 24; 50:11; 51:4, 19; 101:6; 102:23; 106:22; 111:22; 122:15; 136:22; 138:2; 143:17; 144:8; 145:24; 146:7, 15, 23; 148:2, 8; 154:11, 21; 155:5, 8; 167:16; 171:6,

10; 191:19, 24; 192:3, 7, 10; 193:12, 25; 235:7; 238:9, 15; 239:17, 21; 290:13, 16, 22; 299:17; 317:5, 8
skinny 189:20
Sklar 156:15
sky 188:6
slap 103:25
sliding 27:8; 29:2, 21
slightly 15:3; 64:8; 111:3; 117:6, 7; 163:9; 264:22
sloppy 250:5; 251:5
slow 251:21; 261:15
small 142:21; 270:12; 288:19; 290:2
smaller 118:6; 130:19; 136:11; 137:4; 142:5, 9; 153:17; 296:19; 305:17
so-called 205:23
soft 216:21
software 132:4, 11, 12; 135:19, 20; 138:12, 16, 16; 139:10, 11, 15, 19, 20; 140:6; 187:17
sole 140:17
solely 41:23; 121:3; 151:25; 169:5; 236:12
solid 118:23, 24
solve 12:15
solving 130:14, 20; 131:17
somebody 8:17; 30:5; 31:8, 11; 41:23; 43:3; 81:10; 83:20; 109:20, 24; 112:18; 146:10, 11; 171:19; 192:12; 198:21; 211:22; 245:7; 273:8
somehow 19:4; 85:3; 109:22; 163:17; 217:21
someone 28:10; 38:6, 7; 86:11; 88:10; 164:5; 192:6; 244:20; 270:14
someone's 8:17
sometime 14:12
sometimes 53:25; 85:10; 165:5; 256:2; 316:8
somewhat 147:21
somewhere 75:5; 102:8; 109:24
song 257:6; 297:18, 18, 19, 20, 21, 25; 298:8, 20, 20, 24; 299:2, 3, 5, 9, 11, 13; 300:7, 9, 12, 14
soon 264:4
sorry 45:15; 49:23; 67:21; 70:19; 79:25; 86:9; 100:9; 116:19; 122:11; 125:2; 133:17, 19; 159:23; 162:7, 15; 166:20; 169:24; 184:14; 185:13; 188:19; 202:4; 212:17; 222:5, 6, 11; 223:13; 225:23; 228:20; 229:13; 245:16; 265:4; 268:22; 275:15; 276:23, 23; 278:24; 279:3,

15; 289:11; 296:3, 15; 310:18; 319:14
sort 16:13; 29:24; 53:14; 54:2; 72:5; 76:5, 14; 87:24; 96:17; 97:3; 109:12; 123:12; 148:11; 150:6; 154:5; 174:9; 177:14; 189:9, 19; 198:5; 203:2; 265:17; 274:4; 292:7
sound 116:8, 10, 13; 117:12; 158:12; 165:4; 238:19
sounds 42:17; 283:3; 303:12
source 26:9; 28:14; 29:9; 30:16; 36:21; 153:11; 154:2, 25; 159:10, 19, 21; 160:16, 21; 162:18, 23; 163:23; 164:7, 11, 13; 168:6; 169:8, 12, 25; 170:3, 21; 171:21; 192:5; 204:7; 257:7; 259:5; 260:10, 14; 274:25; 277:14; 278:18; 280:21; 281:4; 282:11, 16; 283:16, 19; 284:13, 19; 285:2, 7; 286:4, 23; 290:8, 21; 296:8; 299:20, 25; 317:9; 318:25
Sources 147:7; 202:8; 203:8; 297:2
space 70:24; 85:3; 179:3, 4
spanning 13:19
spans 311:7
speak 7:3; 89:5; 182:23; 264:5
speaker 158:13
speaking 61:18; 171:20
special 49:13
specialist 3:18
specialized 26:15, 18; 27:3; 32:18; 38:2; 39:4
specialty 33:21; 38:6, 8
Specific 24:10; 34:21; 63:19; 69:8; 75:14, 21; 84:5; 90:9; 95:21; 106:9; 119:12; 125:14; 137:14; 143:10; 145:4, 21; 164:3; 176:2; 188:3; 209:22
specifically 65:11; 69:3; 72:19; 172:21; 183:24; 184:22; 209:24; 221:19; 241:10; 242:8; 247:9; 307:2; 315:18; 316:25
specification 74:11; 78:24; 102:25; 103:2, 4; 104:16; 105:9; 121:2; 122:11; 213:10, 17; 214:6; 221:9; 222:7; 224:4; 231:24; 234:6; 235:22; 236:13; 240:12; 241:6; 311:20
specifications 149:22; 207:25; 224:7; 231:18; 233:23; 292:12
specifics 97:17; 292:3

specify 133:14; 206:16
spectrum 153:18
speech 158:12, 22; 159:3; 162:15, 20, 22, 24; 163:4, 4, 7, 12, 22; 164:2, 10, 11, 13, 17; 165:3, 17, 20; 170:24; 171:5, 7, 9, 15, 16; 179:9; 185:25
speed 161:17, 25; 166:20, 23; 167:2, 3; 210:11, 12, 19, 24, 25; 211:3, 5, 8, 11, 14, 15, 17, 19, 24; 212:2, 3, 10, 13, 14; 214:2; 262:7; 293:17
speedily 285:14
spend 32:9; 276:12
spent 153:12
spite 213:25; 234:5
spits 236:3
spoke 160:14
spoken 158:13, 14
sports 255:24; 256:6
spread 153:18
square 306:2
squash 179:3
squashed 179:6; 182:21
squashing 179:13, 19
squirrel 138:18
squished 183:7
stack 207:12
stage 253:20
stamp 73:16; 208:18
stand 176:21
standalone 97:5; 135:16
standard 18:16; 49:16; 50:2; 54:6; 93:16, 19, 20; 172:5, 7
standing 140:22
standpoint 98:10; 109:19; 123:12; 125:16; 171:17; 203:4; 250:12
stands 147:15; 217:7
Stanford 154:17; 156:5, 20, 25; 157:3, 4
start 25:17; 51:23; 64:21; 121:23; 133:19; 145:20; 158:10; 198:25; 233:20; 258:11; 259:14; 262:2; 263:14; 264:13; 266:9; 281:20
started 149:2; 150:2; 215:5
starting 148:6; 213:25; 218:23; 274:4
starts 46:12; 106:17; 176:19; 218:22, 25; 221:14; 248:6; 279:7
State 4:10, 14; 25:18; 26:6; 27:11; 30:7; 34:2; 45:24; 46:4; 48:18; 50:8; 52:13; 56:18; 81:12; 84:3; 132:23; 145:23; 146:9; 155:22; 157:17; 158:21; 190:24; 196:11; 241:22; 247:2, 6; 292:25; 297:2;

318:20
stated 22:18; 50:23; 65:14; 101:3; 146:20; 318:10
statement 46:6; 65:2; 73:15; 80:21; 106:16; 107:4; 134:17; 175:16; 190:12; 194:5; 225:16; 228:15; 231:25; 246:8, 10; 267:15; 273:16, 21
statements 5:21; 247:13
States 3:13; 50:6; 103:4; 117:16; 183:5; 243:18; 248:11, 16
station 71:2; 280:21
stations 70:10
statistical 46:14; 84:5, 8; 90:7; 137:2, 5; 151:13
status 14:23
stay 31:24
stays 242:15
step 142:18; 150:4, 11; 210:8; 246:18, 24; 253:11; 254:25; 260:21, 22; 261:4, 5; 268:2, 3; 284:2, 5; 291:3
steps 46:18
Steve 19:8
stick 252:6
stickies 244:21; 263:21
still 7:16; 45:3; 46:11, 23; 47:15; 48:13; 51:11, 25; 52:8, 13; 98:9; 109:2, 16; 118:25; 147:14; 152:10; 222:5; 243:2; 248:25; 249:4, 18; 250:7, 16, 18; 251:6, 8, 11, 15, 22; 265:19; 269:13; 289:10; 298:20, 22; 312:24
stipulate 9:15
stock 139:3
stop 83:4; 127:6; 258:11, 16, 16, 18; 274:3, 19; 316:16
stopping 54:16; 113:9; 274:4
storage 100:9, 10; 181:3; 216:10, 14; 220:5, 12; 242:2; 261:17; 267:12, 17; 273:7; 286:10
store 118:13, 14; 220:14; 237:22; 262:3, 25; 263:2, 4; 266:21; 282:23; 283:15; 285:6, 20; 286:6, 10, 14; 294:18; 295:3, 9, 10; 296:3, 4, 6
stored 88:18; 180:20; 222:14; 259:19, 23; 260:7, 13, 19; 261:12; 263:6; 272:9, 11; 281:14, 19; 282:3, 19; 284:2
storing 218:3; 260:21; 261:4, 13; 262:2, 17; 266:18; 267:4, 7, 8, 13; 268:3, 6; 282:14, 21; 283:6, 7, 8, 9, 10, 14; 284:2, 5; 290:15; 292:4
strange 84:24

streaming 275:2, 17
Street 3:22; 4:18; 211:23
strike 106:11; 119:11;
175:12
strong 125:12, 14, 23;
126:2; 151:19
structure 64:21, 24;
66:20
structures 64:15, 19
student 197:9
studied 52:22
study 40:24; 148:7
stuff 152:4; 281:23
sub 206:20
sub-algorithm 130:24
sub-algorithms 76:19
sub-class 109:5
sub-headings 144:18
sub-parts 130:25
sub-step 206:21
subcategory 63:3
subject 19:13; 251:20;
252:3, 9
subjective 48:10
submitted 13:24; 15:6;
305:7
subsequent 54:3
subsequently 125:24
substantially 259:3;
274:7
subtly 86:14
subtraction 151:16;
152:4
succession 78:9
successive 85:14, 19;
86:6; 89:6, 8
sufficient 31:3; 40:13,
14; 48:25; 286:10
sufficiently 285:23
suggest 103:19; 112:11,
15; 122:10, 15, 24; 183:14;
213:23; 240:8; 278:6;
310:15
suggested 221:17
suggesting 97:3
suggestion 96:19, 25;
103:15; 104:10; 107:20
suggests 106:23;
109:22; 111:16; 122:20;
220:11; 236:20; 276:6;
311:12, 20
summary 45:15, 18;
49:14; 50:23; 200:25;
287:20; 288:10
summer 153:12
summers 154:4
support 240:15
supported 237:5
supporting 141:7
suppose 29:12; 41:22;
83:22; 87:9; 164:4; 263:9,
11; 271:14; 272:4, 10, 19;
282:10; 297:24
supposed 10:11; 257:12

sure 8:10; 9:9; 13:12;
17:20; 19:4; 27:24; 38:18;
40:14; 42:7; 47:4, 5; 63:20;
68:2; 69:16, 17, 20; 77:10;
80:13; 86:10; 95:2;
103:18; 113:22; 115:17;
116:16; 118:17; 121:10;
122:23; 123:5, 22; 137:22;
159:25; 161:7; 163:9;
164:4; 188:23; 191:2;
192:8; 201:12; 210:19;
214:15; 221:11; 223:16;
232:13, 25; 234:14;
244:16; 262:12, 20;
265:17; 278:5; 287:18, 24;
289:13, 24; 291:18, 20;
294:6; 304:24; 309:10;
310:17; 313:2
surrounding 84:25
surrounds 309:22
Susanne 4:16
Susman 4:24, 25; 10:17;
12:17; 19:3, 5, 8
swear 4:6
sweep 265:20; 289:5
switching 61:17
sworn 4:8; 128:7
synthesized 129:8
system 65:25; 66:5;
92:12; 95:17, 20; 112:21;
117:25; 141:5; 152:8, 18;
164:24; 168:2; 187:22;
205:7; 231:5, 5; 237:22;
269:7, 20; 270:12; 274:14;
275:24; 279:11; 311:9, 13,
18, 22; 312:20, 25; 313:4,
17, 24; 314:10, 16, 17;
315:13
systems 164:23; 205:15,
20

T

tab 13:13, 14; 55:18;
208:13, 17; 209:7; 230:3,
12, 13, 17, 18; 236:25;
241:10, 11; 242:13; 243:8,
9, 10, 15, 15; 244:6, 17;
268:18, 25
table 29:18; 178:2
tables 56:4, 7, 10, 15
tabulate 233:25
tabulating 224:25
talent 279:13
talk 7:24; 16:18; 17:13;
54:7; 63:6; 65:23; 72:18;
76:22; 83:12; 88:13; 94:8;
132:16; 134:21; 145:16;
151:5; 158:11; 162:25;
194:19; 215:14; 224:17;
232:7; 238:7; 258:5, 6;
267:20; 268:12; 276:13;
278:3; 293:3
talked 42:12; 107:11;
119:12; 223:14
talking 7:4; 61:7; 76:20;
85:22; 89:24; 91:9, 25;

92:3; 99:4; 122:24;
123:23, 25; 148:20; 205:9;
232:13; 233:15, 16;
235:25; 241:4, 5; 273:24;
274:2; 276:3; 285:12;
299:4; 301:22
talks 85:13; 218:3, 5, 8;
222:3, 18, 21; 311:6
tangent 126:6
tape 81:24; 82:6, 9, 13;
127:10; 128:5; 164:5, 5, 9;
194:25; 195:5, 9; 216:11,
16; 218:17, 19; 219:16, 18,
22; 220:4, 20; 221:2;
229:20; 230:23; 242:3;
246:22; 251:11; 252:6, 24;
253:3, 7; 319:6, 20
target 65:21
task 76:25
TCM 205:15
TDMA 278:7
teach 246:3; 247:3; 269:7
teaches 243:19; 246:9
technical 15:22; 31:2;
32:5; 52:11, 12; 131:12;
192:18; 193:17; 211:20;
251:3
technically 31:22;
147:15
technique 37:23; 45:25;
49:6, 23, 24; 50:14; 51:11;
52:8; 122:12, 15; 148:11,
20, 21; 175:2; 206:24;
207:5; 243:20; 248:24, 25;
249:4; 261:21; 302:18;
303:23; 305:5
techniques 25:24; 30:23;
34:12; 43:14, 21; 62:3, 4;
85:8; 147:23; 188:5
technologies 25:23;
30:22; 219:5
technology 26:17, 18;
27:3; 32:19; 38:4, 22;
40:15; 43:13; 144:14, 20;
146:5
techy 192:13
telecommunications
156:22
Telephone 67:20; 170:9;
205:10
television 45:7; 46:2, 9;
171:19; 203:8, 15, 16, 25;
249:21, 24; 250:6, 10, 15,
16; 251:9, 9, 14, 16, 19,
23, 25; 252:8, 9, 10, 17;
256:8; 279:9; 281:9;
283:20; 313:10
telling 90:22; 225:15
temporal 97:8
ten 270:23, 24; 271:18;
272:23, 25; 285:19;
316:13; 319:6
tend 87:25
tendered 66:3; 291:15
tends 171:8
term 59:14; 69:25; 70:5,
21; 74:13; 76:4; 108:9;

131:12; 148:19; 151:24;
157:23; 163:24; 169:5;
174:16; 185:2; 190:6, 18,
24, 25; 191:13; 204:11;
208:2; 211:9, 11, 14, 15;
225:13; 250:4; 255:2, 4;
257:3; 267:4; 280:3, 18,
23; 308:6, 9, 14, 18;
313:22; 318:12
terminal 30:12; 308:22;
309:2
terminals 305:9
terminate 14:15; 268:7
terminology 97:18;
144:19
terms 11:9; 24:10, 14, 22;
25:3; 37:22; 121:5;
143:11; 147:20; 163:16;
170:20; 180:7; 193:17;
258:24, 25
terrestrial 70:22, 23;
71:18, 19; 72:8; 239:6
terrible 148:25
terribly 204:4
testified 4:11; 15:13;
33:11; 36:19; 128:7;
169:9; 253:13; 300:25
testimony 22:12, 14, 16;
128:16; 130:11; 185:11
tests 48:11
textbooks 194:13
texts 155:21; 156:2, 4, 7,
24; 157:6
Thanks 317:20
theory 175:5
thereby 189:13
therefore 51:2; 131:11;
267:25
therefrom 288:13
thereof 208:9; 276:21;
277:5, 23; 278:8; 284:12
thick 207:12
thinking 107:3; 149:18;
230:9; 319:12
third 59:5; 263:4; 297:2
thorough 190:23
though 17:20; 71:6;
82:24; 150:20; 178:2;
206:17; 217:18; 225:6;
234:8
thought 72:9; 149:17;
202:6; 217:22; 237:5
three 20:16; 27:12; 28:12;
82:2; 126:18; 128:5;
167:8; 195:5; 232:17;
233:7, 9; 234:12, 12;
262:23, 24; 263:6, 12;
297:18, 18, 20, 22; 298:13;
299:8; 301:22
three-page 276:16
thresholding 46:20
throughout 86:18
throughput 74:14
throw 103:8; 144:4;
314:21

Tibor 19:8
time-compressed
157:19
time-compression
269:7; 302:16, 21; 303:21;
304:3
time-wise 202:9
timeline 11:25
times 48:20; 84:20;
102:7; 161:16, 25; 162:2;
166:19; 180:16; 209:24;
285:19
title 167:20
titled 25:7; 147:6; 183:19;
205:6; 276:17
TiVo 256:5, 9; 285:25
TiVo'ing 265:8
today 5:12; 6:7; 53:8;
93:13; 130:12; 148:6;
196:23; 199:8, 18; 200:16;
248:21; 250:25; 275:2, 17;
276:11; 291:15; 317:21;
318:4
together 85:3; 94:25;
112:18; 163:19; 226:8;
308:13; 310:3; 314:20;
315:9
toggling 35:18
told 124:13; 126:10;
239:21; 243:24; 246:2;
247:14; 296:16
took 19:3; 82:15; 87:13;
149:12; 177:16; 264:18
tool 89:7
top 31:24; 119:19;
120:12; 126:17; 135:23;
173:6; 182:22; 183:2, 2;
208:19; 221:24; 225:8;
232:20, 22; 233:4; 236:19,
19; 237:10; 279:3; 301:2,
11; 302:22; 304:5, 15
topic 34:10; 63:7; 156:5
topics 40:9
total 117:11
toward 112:15; 155:11
towards 189:25
track 14:7; 36:17; 303:5
tracking 122:6
tradeoffs 92:13
traditional 238:3
traffic 35:14
transceiver 67:19, 19;
68:8, 11, 13; 70:7, 20;
71:11; 187:12, 13, 14, 20;
216:25; 217:19; 221:3
transceivers 67:13, 14;
68:22, 23; 69:22; 70:6;
71:14
transfer 223:21; 224:5, 8,
16; 225:2; 234:2, 7, 19, 22
transferred 311:9
transferring 215:23;
218:8; 229:16, 19; 246:21
transfers 234:8
transform 46:13, 15, 19;

103:14
transitions 183:5, 18
transmission 15:20, 23;
 37:10, 10; 41:13; 45:7;
 52:23; 59:10, 15, 25;
 60:20, 25, 25; 61:11; 63:8;
 64:6, 6, 9, 14, 16, 17, 18;
 65:6, 7, 8; 66:11, 17;
 69:11; 70:19; 71:5;
 136:18, 21; 147:17;
 148:15, 19; 159:19, 20, 21;
 161:2, 13, 23, 24; 165:16,
 20; 167:21; 168:4; 170:12;
 172:25; 175:22, 23;
 176:23; 177:2; 182:18;
 184:19; 186:16, 19, 24;
 192:24; 193:2; 194:15;
 202:9, 10; 204:7; 205:7;
 215:15; 217:22; 223:10;
 228:8; 229:10, 20; 234:11;
 235:9, 20; 237:13; 238:24;
 239:3, 16, 19, 22; 240:10,
 19, 25; 243:20; 244:2;
 246:3, 8, 10, 16, 18, 18,
 23, 23, 24; 247:4, 16;
 255:3, 17, 25; 256:19;
 257:4; 258:6, 7, 7, 20, 23;
 259:15; 261:14; 264:16;
 265:14; 266:14, 20, 25;
 268:2, 6; 276:20; 277:2,
 14, 15; 284:19, 25; 285:3;
 286:22; 287:7; 289:9;
 292:18, 21; 293:6; 295:22;
 296:4; 305:6, 13, 14, 15,
 17; 306:13
transmissions 60:4, 7,
 9, 13; 66:22; 257:9
transmit 34:20, 21; 35:2;
 37:20; 62:15; 63:23;
 167:24; 203:21; 224:3, 8,
 11; 225:2; 234:2, 5, 9, 17;
 235:2, 6; 238:8, 11, 16, 17,
 18, 19, 22; 242:9; 247:10;
 257:8; 259:8; 261:11, 18,
 24; 262:17; 263:12;
 264:25; 266:2, 3, 12, 13,
 22; 267:5, 16; 274:6;
 285:13; 286:3; 289:4;
 294:23; 295:24; 296:8, 11,
 14
transmits 64:22, 24, 24
transmitted 37:9; 61:6, 6;
 62:2; 172:24; 185:6;
 186:15; 205:21; 223:5;
 226:11; 231:19; 235:23;
 256:18; 259:10, 13, 22;
 260:6, 9, 18; 267:10;
 268:10; 269:12, 14;
 278:14; 279:25; 281:14;
 285:19; 286:15
transmitter 65:9; 187:20;
 223:6; 226:12; 271:8, 9;
 305:8
transmitters 63:15, 22;
 239:14
transmitting 31:15;
 166:25; 189:19; 203:7, 14,
 23; 204:15; 210:10;
 215:24; 218:11; 222:4, 7;
 223:18; 225:19; 228:17,

23; 232:3, 12; 233:8, 10,
 16, 24; 234:10, 11; 240:2,
 12; 255:6, 19; 256:23;
 257:5, 19; 259:19; 260:4,
 22; 261:5; 263:15; 264:13;
 265:15; 266:10; 274:9;
 285:9, 11; 291:3; 294:21
travels 311:17
treated 171:22
trees 72:6
tremendous 31:14;
 32:14
Tribble 19:8
tried 58:6; 217:6
trivial 265:6
true 9:25; 15:9; 17:6;
 18:7; 19:19, 20; 28:7, 8;
 58:9; 62:18, 19; 64:23;
 65:13; 83:17; 88:22;
 89:18; 90:3, 16; 93:4;
 95:23; 96:11, 12, 15;
 107:6; 108:23; 110:19;
 111:5, 9, 20; 113:3;
 117:10; 124:15, 24;
 129:20; 131:4; 133:7;
 135:25; 151:7, 10; 152:13;
 178:14; 179:25; 196:3;
 206:22; 208:17; 211:14;
 224:9; 239:13; 246:11;
 267:25; 284:17; 290:24;
 295:21; 304:14
trust 121:17
try 7:3, 21; 15:3; 23:17;
 36:16; 80:4; 110:17;
 112:24; 163:9; 175:12;
 177:23; 225:21; 230:17;
 233:18; 245:3; 315:18
trying 11:23; 28:25; 38:6;
 47:15; 49:18; 77:2; 91:22;
 108:10; 112:17; 159:25;
 208:7; 225:2; 232:24;
 255:14; 267:16; 282:9;
 291:8
turn 13:13; 23:9; 24:9;
 45:12; 55:6, 9, 17, 21;
 132:17; 145:5; 153:3;
 157:12; 207:14; 241:9, 10,
 11; 242:13; 248:2; 269:19;
 316:24; 317:25
turning 81:11; 196:25
turns 208:3
TV 48:22; 252:5, 12;
 256:4, 5, 5; 280:21, 25;
 281:6
Twenty-eight 279:5, 6
twice 183:5; 227:13
two 21:20; 25:24; 26:3;
 27:7, 12; 28:4, 12; 32:9;
 40:9; 56:21; 58:5; 63:17;
 64:12; 68:3, 5; 70:10, 14;
 71:14; 72:10, 15; 76:7;
 82:13; 85:18; 125:13;
 126:16; 127:10; 134:2, 3,
 14; 149:25; 150:10; 154:4;
 156:2, 12; 178:15; 183:3,
 5; 191:21; 193:6; 194:19;
 203:12; 219:23, 23;
 220:17; 234:9, 21; 235:10;

240:8; 243:25; 244:4;
 255:21; 272:19; 273:6;
 276:16; 283:21; 294:23;
 296:18, 19; 301:11
two-dimensional 136:20
two-way 276:6
two-wire 205:9
type 62:20; 75:20; 88:25;
 89:23; 98:15; 109:19;
 139:22; 141:7; 148:15;
 163:20; 189:10; 218:23;
 279:10
types 89:21; 137:25;
 216:14; 218:21; 220:17;
 237:12; 240:21; 280:19
typically 39:15; 53:21;
 61:10; 205:19
typo 28:12; 293:25;
 294:3, 5

U

U 55:18, 22
UK 172:4, 6
ultimately 259:22
unclear 212:13; 258:22
uncompressed 292:13;
 295:24; 296:11
under 3:12; 14:13; 33:4;
 38:13; 43:10; 54:5;
 176:17; 290:6; 296:25
undergraduate 154:6, 9
Underlying 144:14;
 146:5
underneath 37:18;
 178:16
understandings 255:16
understands 39:8
understood 25:3; 40:10;
 42:22; 52:3; 81:18;
 111:21; 143:20; 144:3, 7;
 146:9; 148:2, 5; 149:11;
 257:11; 278:11
unhappiness 214:2
unit 35:17; 37:15, 19;
 174:22; 188:3; 226:4, 5;
 231:2, 4, 18, 21; 235:24;
 236:2; 237:19, 21, 24, 25;
 248:8, 12, 17; 266:25;
 286:14; 295:11; 307:6;
 308:11; 309:7, 12; 310:24;
 315:23
United 3:13
units 37:11; 70:15; 224:5;
 235:10; 313:4; 314:15
University 156:16
Unless 7:15; 11:8; 72:3;
 98:13; 121:12; 123:17;
 276:5
unlikely 85:23
unpleasantly 212:11
unplugged 81:10
unquestionable 138:22
unreasonable 113:2
unsure 43:20

up 12:24; 24:2; 32:7; 35:6;
 37:15; 40:3; 81:13; 87:9;
 10; 91:5; 95:17; 108:18;
 111:7; 112:7; 150:13;
 152:20; 161:6; 162:7;
 168:15; 187:21; 188:7;
 193:17; 208:2; 211:22;
 226:10; 230:10; 250:7;
 252:9, 13; 260:3; 265:16,
 18; 267:10, 18; 281:22;
 303:10; 305:7; 319:11
update 14:5, 6
uplink 70:12
uploading 238:20
UPN 255:10
upon 5:22; 142:20; 198:2
upstairs 196:18
use 29:5, 21; 48:7; 63:22;
 74:9, 13; 76:4; 80:14;
 83:10; 85:12; 86:24; 87:4,
 5; 89:25; 92:16, 22; 97:19;
 98:3; 99:9; 104:12, 16, 20,
 22, 23; 109:21; 111:25;
 122:16, 25; 139:25;
 141:24; 147:20; 151:25;
 157:24; 167:2; 169:4;
 182:13, 14; 185:2; 190:25;
 192:4; 201:8; 206:22;
 211:10, 11, 14, 16, 17, 21;
 215:14; 220:16; 224:7;
 230:6; 234:25; 235:24;
 238:16; 246:16; 250:15;
 253:19; 254:24; 257:3;
 275:17; 279:24; 285:11;
 286:17; 295:17; 300:14,
 15; 301:19, 24; 305:4
used 25:13; 35:12; 36:7,
 11; 45:25; 50:21; 59:25;
 64:11, 15; 66:16, 20;
 67:14; 69:7; 70:21; 71:8;
 73:9, 11, 13, 18, 20, 25;
 74:3; 76:10; 77:16, 17;
 92:13; 107:5; 110:9, 22;
 112:21; 121:6; 124:22;
 126:21; 130:17; 140:11,
 13; 147:13, 16; 148:22;
 149:21; 151:8, 19; 156:2,
 7, 13, 14, 18; 158:4;
 163:24; 166:11; 167:16;
 168:21; 169:2, 7, 11;
 174:18; 175:2; 189:5, 7;
 190:6; 191:14, 22; 198:10;
 204:11; 206:24; 211:7;
 219:12; 224:3; 225:4;
 233:24; 234:5, 18; 235:6;
 238:8, 24; 239:4; 250:4, 7,
 14, 22; 255:4; 256:3;
 277:13; 278:7; 284:24;
 294:17; 308:14, 16, 18, 20,
 21, 22; 314:8; 318:12
user 71:20; 229:5;
 276:22; 277:6
user's 285:16; 286:6, 12
uses 61:10; 68:13, 17;
 108:8; 116:16; 145:21;
 172:16; 190:24; 202:18,
 20; 203:8; 204:21; 207:4;
 223:10, 18, 20; 224:16;
 300:14

using 36:25; 45:6; 48:3;
 61:21; 62:3; 63:11, 14;
 65:15, 20; 89:6; 103:3, 22;
 108:15; 109:2; 130:11;
 132:10; 138:19; 150:17,
 23, 24; 168:12; 170:8;
 174:5; 175:11, 14; 178:13;
 203:21; 206:3; 219:23;
 224:14; 230:7; 241:22;
 244:3; 246:4; 249:9, 21;
 251:5, 23; 295:14; 306:8;
 313:22
utilizing 122:12, 14;
 168:2

V

V 218:18
vague 267:4
valid 50:13; 261:22;
 267:2; 268:10
validity 122:3; 291:18
values 76:7; 150:9;
 152:11
variable 270:4; 275:22
variants 207:19
variations 198:11, 20
variety 50:18
various 34:25; 57:3, 3;
 76:24; 86:15; 103:5, 9;
 106:17, 23; 107:5; 119:15;
 120:11, 17, 17; 126:15;
 141:8, 8; 189:14; 218:21;
 219:7; 237:12; 240:21;
 318:11
varying 92:9, 10, 10
vast 14:24
VCR 218:17, 19; 219:16,
 17, 18, 22; 221:8, 13, 18;
 225:8; 226:4, 13, 17, 18;
 231:20; 238:3, 6; 251:11;
 256:5, 9
VCR-ET 217:4, 7, 14, 17,
 20, 24; 220:16; 222:8;
 224:5, 14; 225:9; 231:20,
 21; 234:24; 235:23; 236:6;
 240:13, 13
VCR-ETs 240:21
VCRs 219:23
VCU12 221:20
verb 16:7
verbs 275:10
version 290:8; 302:14;
 303:18
versus 3:11; 34:22
via 71:5; 237:13; 311:18
viable 110:10, 11, 13, 15;
 111:12, 24; 112:4, 7, 16
video 3:18; 25:24; 30:23;
 31:10, 20, 23; 45:21;
 47:22; 48:2, 11, 16, 16;
 49:2, 3, 9, 9, 12, 16, 20;
 50:2, 8, 9, 14, 18; 51:3, 10,
 13, 15, 19, 21, 21, 22;
 52:7, 15, 22; 74:4, 10;
 78:22; 79:4; 85:13, 15, 18,

22; 89:3, 7, 25; 90:4, 4, 5,
6, 13; 91:12, 13, 14; 92:8,
9, 15; 95:19; 96:10; 98:11,
12, 13, 15; 99:16; 101:8;
102:22; 103:24; 104:5;
108:7; 109:20; 110:23;
111:12, 24; 113:6; 123:14,
15, 16; 124:3, 6, 10, 24,
25; 125:4, 9, 17, 22; 134:5;
140:23; 141:15, 22; 142:8;
143:21; 144:5; 147:7;
149:20; 151:21; 152:15;
163:13, 15; 164:16, 17;
167:21, 22; 168:12, 17, 18;
169:5, 5, 7, 16, 20, 22, 25;
170:3; 184:20, 23; 191:16;
210:12, 20; 211:2, 5;
212:3, 13, 14; 214:2;
216:24; 217:10, 14, 19;
218:3; 248:12; 249:5, 8,
10, 13, 14, 16, 22, 25, 25;
250:2, 4, 22, 23; 251:2, 3,
4, 5; 252:2, 5, 11, 20, 21,
22; 253:16, 24; 254:17;
255:20; 256:17; 271:25;
272:5; 273:7; 278:19;
279:9, 11; 280:20; 288:4,
12, 20, 23; 292:15; 297:2;
314:23; 315:2

video-in 251:10

videoconferencing
31:12

VIDEOGRAPHER 3:6;
4:5; 54:23; 55:2; 81:23;
82:3, 7, 11; 113:15, 18;
114:2; 127:8; 128:3;
149:5, 8; 188:10; 193:5;
194:24; 195:3, 7; 252:25;
253:5; 306:16, 19; 319:5,
18

videos 270:8

videotaped 3:9

view 30:10, 14, 24; 35:6;
37:15; 42:13; 48:25;
49:19; 50:24; 52:5; 60:12;
108:2, 17; 133:18; 159:10;
172:16; 202:20; 229:11;
230:21; 237:5; 260:21;
271:2, 12; 283:18; 286:5,
16, 19; 290:24; 295:8

viewed 32:18; 206:11;
256:11

viewer 271:12, 13, 15, 24

viewing 226:11; 269:23;
271:13, 24; 274:7, 18

vision 180:6

visual 31:16, 20; 104:8;
168:13; 179:8

voice 305:23, 25; 306:4

voir 16:22

W

wait 271:20
waiting 189:12
waits 271:11
walked 211:22

wall 87:8

wants 71:22; 242:25;
272:5, 6; 273:9

watch 258:12, 16, 18;
271:25; 272:7; 273:3;
274:4; 285:17, 21

watched 272:6

watching 252:4; 256:4;
272:12, 14

wave 62:22; 63:2, 3;
187:9; 252:14

waveform 62:9, 18, 20;
186:17, 20; 187:2

waves 306:2

way 5:23; 11:6; 12:24;
42:5; 53:6; 59:24; 74:24;
94:16; 98:17; 104:14;
112:12; 122:23; 140:8;
144:2; 149:22; 152:9;
175:9; 178:25; 192:8;
211:21; 230:11; 236:9;
291:25; 304:18; 308:19,
21, 23; 310:11; 311:23;
315:3

ways 96:6, 8, 14; 97:16;
131:24; 147:14; 158:3;
167:8

weak 125:11

Webster's 279:11, 21

week 13:11; 14:12

well-known 53:2

well-written 53:3

weren't 40:14

West 3:21

what's 4:17; 7:20, 22;
34:6; 36:24; 37:16, 16, 18;
74:6; 78:24; 167:12;
183:10; 188:6; 224:4;
259:22; 260:9, 13; 265:12;
275:18; 276:7; 294:2;
309:4; 311:3; 316:12

whatever's 285:25

whenever 23:25

whereas 30:5; 162:6

wherein 277:4

Whereupon 319:21

wherever 180:20

whichever 209:4

white 84:11; 87:10, 16;
90:12; 137:12, 16, 20, 23

who's 31:11; 43:3; 71:20;
129:17

whole 94:23, 25; 214:17,
18; 230:8; 283:4; 296:7

wholistic 292:7

whose 36:13

wide 64:25; 179:10

wide-band 164:20;
170:23; 171:12, 18

width 262:4, 8

willing 109:24

wind 230:10; 260:3

wire 35:10; 61:17

wish 179:13; 257:7;
261:17

withdraw 64:7; 243:12,
14

within 4:10; 13:11; 39:25;
40:22; 77:12; 87:15;
88:16; 92:23; 93:19;
119:22; 144:17; 147:5;
163:23; 164:7; 170:16;
176:5; 184:3; 190:20;
191:8; 224:5; 225:10;
230:13; 231:4; 234:23, 24;
240:8; 266:14; 315:22

without 11:15; 12:8; 31:2;
41:7, 25; 50:12; 80:24;
101:17; 118:6; 171:7, 11;
172:22; 180:12; 192:12;
219:23; 237:23; 243:20;
246:9; 247:3; 292:9

witness 4:6, 8, 21; 5:14,
23; 9:16; 15:24, 25; 16:3;
21:12, 24; 22:6, 16;
113:20; 128:13, 15;
129:22; 148:24; 242:24;
245:5; 319:10

woman 83:24

word 12:24; 29:6; 31:23;
37:8; 51:20; 62:14; 74:14;
76:8, 14, 17; 93:2; 99:9;
121:10, 15; 122:4, 7, 9, 13;
130:11; 140:2; 145:12, 21;
157:14; 168:12; 211:21;
214:8, 22; 215:14; 223:18;
224:3, 16; 225:18; 228:23;
233:8, 24; 234:3, 17;
235:2, 6; 238:8, 16, 23;
239:16; 240:6; 244:3;
246:4, 16; 250:21; 275:17;
279:18, 22, 24; 299:18;
313:7; 314:7; 316:12

worded 212:11

words 77:22; 147:13;
166:14; 169:11; 224:13;
225:3; 262:16; 265:21;
282:21; 302:25; 304:9;
305:5

work 7:25; 18:15; 19:6;
21:12; 26:8; 27:17, 20, 22;
29:15; 33:17; 53:23; 87:6;
92:23, 25; 109:15; 111:3;
153:23; 154:5; 156:8, 13,
25; 157:2, 3; 163:18;
226:12, 14; 264:15;
278:19, 21; 279:12, 18;
317:8

worked 18:23; 31:13;
153:17; 192:14; 198:18

working 5:2; 28:13, 18,
23; 29:3, 6, 8, 12, 22; 30:4,
8, 9, 15; 146:10; 153:10,
12; 154:24

works 8:22

world 129:7

worse 109:16

worth 173:22; 272:17;
273:7

worthwhile 285:16

worthy 52:9

write 28:3; 220:14; 262:5,
10; 263:16; 264:19; 266:7,

9; 267:11

writes 116:2

writing 59:17; 115:24;
131:8; 146:4; 262:11

written 53:21, 22; 112:12;
210:21; 250:4; 262:15;
263:25; 264:10; 266:2, 10;
267:6, 17; 273:14; 275:9

wrong 65:5; 151:19;
153:14; 166:21; 222:11;
230:14; 276:24

wrote 37:25; 38:5, 14;
57:14, 22; 115:24; 131:8;
133:12; 139:18; 146:12;
236:14; 278:23; 284:22

X

X-axis 302:11, 12

Y

year 28:18; 29:8; 154:23;
156:17, 19, 21; 157:5

Years 22:7, 11, 17; 27:12;
28:12; 29:3; 30:4, 6; 32:3;
52:19

yellow 268:19

yesterday 33:8; 34:2;
227:7; 230:6; 253:12;
300:17

yields 116:7

York 3:16, 16, 22, 22;
4:10, 19

young 148:6

Z

zero 76:6, 7; 104:9

zeroes 90:25; 91:3

zeros 206:11; 237:14

Lawyer's Notes
