|  |  |
| --- | --- |
| **RULE NUMBER** | **RULE** |
| 1 | IF MAJOR=”SCI RESEARCH” && EQN=YES && COMPEQN=YES && NATLAWS=YES THEN SPECIALIZATION=”PHYSICS” |
| 2 | IF MAJOR=”SCI RESEARCH” && EQN=YES && COMPEQN=YES && NATLAWS=NO THEN SPECIALIZATION=”APPLIED MATHEMATICS” |
| 3 | IF MAJOR=”SCI RESEARCH” && EQN=YES && COMPEQN=NO && COMP-ELE =YES THEN SPECIALIZATION=”CHEMISTRY” |
| 4 | IF MAJOR=”SCI RESEARCH” && EQN=YES && COMPEQN=NO && COMP-ELE=NO THEN SPECIALIZATION=”BIOLOGY” |
| 5 | IF MAJOR=”SCI RESEARCH” && EQN=NO THEN SPECIALIZATION=”SPACE EXPLORATION” |
| 6 | IF MAJOR=”ENGINEERING” && MACHINES=”YES” && CIRCUITS=YES THEN SPECIALIZATION=”ELECTRICAL ENGINEER” |
| 7 | IF MAJOR=”ENGINEERING” && MACHINES=”YES” && CIRCUITS=NO && CARSINTSR=YES THEN SPECIALIZATION=”MECHANICAL ENGINEER” |
| 8 | IF MAJOR=”ENGINEERING” && MACHINES=”YES” && CIRCUITS=NO && CARSINTSR=NO THEN SPECIALIZATION=”CIVIL ENGINEER” |
| 9 | IF MAJOR=”ENGINEERING” && MACHINES=”NO” && CODE=YES THEN SPECIALIZATION=”COMPUTER SCIENCE ENGINEER” |
| 10 | IF MAJOR=”ENGINEERING” && MACHINES=”NO” && CODE=NO THEN SPECIALIZATION=”PETROLEUM ENGINEER” |
| 11 | IF MAJOR=”BUSINESS” && MONEYMANG =YES THEN SPECIALIZATION=”INVESTOR” |
| 12 | IF MAJOR=”BUSINESS” && MONEYMANG =NO && HANDLE=YES && ACC=YES THEN SPECIALIZATION=”BANKING” |
| 13 | IF MAJOR=”BUSINESS” && MONEYMANG =NO && HANDLE=YES && ACC=NO && LIKEMANG=YES THEN SPECIALIZATION=”MBA” |
| 14 | IF MAJOR=”BUSINESS” && MONEYMANG =NO && HANDLE=YES && ACC=NO && LIKEMANG=NO THEN SPECIALIZATION=”SECEROTORIAL PRACTICE” |
| 15 | IF MAJOR=”BUSINESS” && MONEYMANG =NO && HANDLE=NO THEN SPECIALIZATION=”ACCOUNTS” |
| 16 | IF MAJOR=”MEDICINE” && BLOOD=YES && BONES=YES THEN SPECIALIZATION=”ORTHOPEDISIST” |
| 17 | IF MAJOR=”MEDICINE” && BLOOD=YES && BONES=NO && HEART=YES THEN SPECIALIZATION=”CARDIOLOGIST” |
| 18 | IF MAJOR=”MEDICINE” && BLOOD=YES && BONES=NO && HEART=NO && TUMORS=YES THEN SPECIALIZATION=”ONCOLOGIST” |
| 19 | IF MAJOR=”MEDICINE” && BLOOD=YES && BONES=NO && HEART=NO && TUMORS=NO THEN SPECIALIZATION=”GENERAL DOCTOR” |
| 20 | IF MAJOR=”MEDICINE” && BLOOD=NO THEN SPECIALIZATION=”ENT DOCTOR” |
| 21 | IF MAJOR=”DENTIST” && SURGERY=YES && COND=YES THEN SPECIALIZATION=”ENDOORTHIC DENTIST” |
| 22 | IF MAJOR=”DENTIST” && SURGERY=YES && COND=NO && DIAGONSIS=YES THEN SPECIALIZATION=”ORTHOPEDIC DENTIST” |
| 23 | IF MAJOR=”DENTIST” && SURGERY=YES && COND=NO && DIAGONSIS=NO THEN SPECIALIZATION=”PERIODOC DENTIST” |
| 24 | IF MAJOR=”DENTIST” && SURGERY=NO THEN SPECIALIZATION=”GENERAL DENTIST” |
| 25 | IF MAJOR=”LAW” && SOCIALRULES=YES && CRIMINAL=YES THEN SPECIALIZATION=”CRIMINAL LAWYER” |
| 26 | IF MAJOR=”LAW” && SOCIALRULES=YES && CRIMINAL=NO && POLITICALKNOW=YES THEN SPECIALIZATION=”POLITICAL LAWYER” |
| 27 | IF MAJOR=”LAW” && SOCIALRULES=YES && CRIMINAL=NO && POLITICALKNOW=NO && LEGAL=YES THEN SPECIALIZATION=”LEGAL LAWYER” |
| 28 | IF MAJOR=”LAW” && SOCIALRULES=YES && CRIMINAL=NO && POLITICALKNOW=NO && LEGAL=NO THEN SPECIALIZATION=”FORENSIC LAWYER” |
| 29 | IF MAJOR=”LAW” && SOCIALRULES=NO THEN SPECIALIZATION=”TAX LAWYER” |
| 30 | IF MAJOR=”PSYCOLOGY” && HUMANBEHAV=YES && COUNSELLING=YES THEN SPECIALIZATION=”COUNSELLAR” |
| 31 | IF MAJOR=”PSYCOLOGY” && HUMANBEHAV=YES && COUNSELLING=NO && SOCRS=YES THEN SPECIALIZATION=”SOCIAL COUNSELLER” |
| 32 | IF MAJOR=”PSYCOLOGY” && HUMANBEHAV=YES COUNSELLING=NO && SOCRS=NO THEN SPECIALIZATION=”SPORTS COUNSELLAR” |
| 33 | IF MAJOR=”PSYCOLOGY” && HUMANBEHAV=NO THEN SPECIALIZATION=”SCHOOL COUNSELLAR” |
| 34 | IF MAJOR=”HISTORY” USA=YES THEN SPECIALIZATION=”AMERICAN HISTORY” |
| 35 | IF MAJOR=”HISTORY” USA=NO && ASI=YES THEN SPECIALIZATION=”ASIAN HISTORY” |
| 36 | IF MAJOR=”HISTORY” USA=NO && ASI=NO && EURO=YES THEN SPECIALIZATION=”EUROPIAN HISTORY” |
| 37 | IF MAJOR=”HISTORY” USA=NO && ASI=NO && EURO=NO && AFR=YES THEN SPECIALIZATION=”AFRICAN HISTORY” |
| 38 | IF MAJOR=”HISTORY” USA=NO && ASI=NO && EURO=NO && AFR=NO THEN SPECIALIZATION=”RUSSIAN HISTORY” |
| 39 | IF MAJOR=”NURSING” && HEALTHMANG=YES && AWARENESS=YES THEN SPECIALIZATION=”PUBLIC HEALTH” |
| 40 | IF MAJOR=”NURSING” && HEALTHMANG=YES && AWARENESS=NO THEN SPECIALIZATION=”PHYSICIAN ASSISTANT” |
| 41 | IF MAJOR=”NURSING” && HEALTHMANG=NO && DESKJOB=YES THEN SPECIALIZATION=”HEALTH ADMINISTRATION” |
| 42 | IF MAJOR=”NURSING” && HEALTHMANG=NO && DESKJOB=NO THEN SPECIALIZATION=”HEALTH SERVICE MANAGMENT” |
| 43 | IF MAJOR=”EDUCATION” && TEACHINGCHILD=YES THEN SPECIALIZATION=”SCHOOL TEACHER” |
| 44 | IF MAJOR=”EDUCATION” && TEACHINGCHILD=NO && MANYCOURSES=YES && UNIV=YES THEN SPECIALIZATION=”PROFESSOR” |
| 45 | IF MAJOR=”EDUCATION” && TEACHINGCHILD=NO && MANYCOURSES=YES && UNIV=NO && EVSSTUDIES=YES THEN SPECIALIZATION=”ENVIRONMENTALIST” |
| 46 | IF MAJOR=”EDUCATION” && TEACHINGCHILD=NO && MANYCOURSES=YES && UNIV=NO && EVSSTUDIES=NO THEN SPECIALIZATION=”PRIVATE TUTOR” |
| 47 | IF MAJOR=”EDUCATION” && TEACHINGCHILD=NO && MANYCOURSES=NO THEN SPECIALIZATION=”DISCIPLINE EDUCATION” |

VARIABLES

1. MAJOR
2. EQN
3. COMPEQN
4. NATLAWS
5. COMP-ELE
6. MACHINES
7. CIRCUITS
8. CARSINTSR
9. CODE
10. MONEYMANG
11. HANDLE
12. ACC
13. LIKEMANG
14. BLOOD
15. BONES
16. HEART
17. TUMORS
18. SURGERY
19. COND
20. DIAGONSIS
21. SOCIALRULES
22. CRIMINAL
23. POLITICALKNOW
24. LEGAL
25. HUMANBEHAV
26. CONSELLING
27. SOCRS
28. USA
29. ASI
30. EURO
31. AFR
32. HEALTHMANG
33. AWARENESS
34. DESKJOB
35. TEACHINGCHILD
36. MANYCOURSES
37. UNIV
38. EVSSTUDIES

CLAUSE-VARIBALE LIST

|  |  |  |
| --- | --- | --- |
| **Rule Number** | **Slot Number** | **Name** |
| 1 | 1 | MAJOR |
|  | 2 | EQN |
|  | 3 | COMPEQN |
|  | 4 | NATLAWS |
|  | 5 |  |
|  | 6 |  |
| 2 | 7 | MAJOR |
|  | 8 | EQN |
|  | 9 | COMPEQN |
|  | 10 | NATLAWS |
|  | 11 |  |
|  | 12 |  |
| 3 | 13 | MAJOR |
|  | 14 | EQN |
|  | 15 | COMPEQN |
|  | 16 | COMP-ELE |
|  | 17 |  |
|  | 18 |  |
| 4 | 19 | MAJOR |
|  | 20 | EQN |
|  | 21 | COMPEQN |
|  | 22 | COMP-ELE |
|  | 23 |  |
|  | 24 |  |
| 5 | 25 | MAJOR |
|  | 26 | EQN |
|  | 27 |  |
|  | 28 |  |
|  | 29 |  |
|  | 30 |  |
| 6 | 31 | MAJOR |
|  | 32 | MACHINES |
|  | 33 | CIRCUITS |
|  | 34 |  |
|  | 35 |  |
|  | 36 |  |
| 7 | 37 | MAJOR |
|  | 38 | MACHINES |
|  | 39 | CIRCUITS |
|  | 40 | CARINTSR |
|  | 41 |  |
|  | 42 |  |
| 8 | 43 | MAJOR |
|  | 44 | MACHINES |
|  | 45 | CIRCUITS |
|  | 46 | CARINTSR |
|  | 47 |  |
|  | 48 |  |
| 9 | 49 | MAJOR |
|  | 50 | MACHINES |
|  | 51 | CODE |
|  | 52 |  |
|  | 53 |  |
|  | 54 |  |
| 10 | 55 | MAJOR |
|  | 56 | MACHINES |
|  | 57 | CODE |
|  | 58 |  |
|  | 59 |  |
|  | 60 |  |
| 11 | 61 | MAJOR |
|  | 62 | MAONEYMANG |
|  | 63 |  |
|  | 64 |  |
|  | 65 |  |
|  | 66 |  |
| 12 | 67 | MAJOR |
|  | 68 | MONEYMANG |
|  | 69 | ACC |
|  | 70 | HANDLE |
|  | 71 |  |
|  | 72 |  |
| 13 | 73 | MAJOR |
|  | 74 | MONEYMANG |
|  | 75 | ACC |
|  | 76 | HANDLE |
|  | 77 | LIKEMANG |
|  | 78 |  |
| 14 | 79 | MAJOR |
|  | 80 | MONEYMANG |
|  | 81 | ACC |
|  | 82 | HANDLE |
|  | 83 | LIKEMANG |
|  | 84 |  |
| 15 | 85 | MAJOR |
|  | 86 | MONEYMANG |
|  | 87 | HANDLE |
|  | 88 |  |
|  | 89 |  |
|  | 90 |  |
| 16 | 91 | MAJOR |
|  | 92 | BLOOD |
|  | 93 | BONES |
|  | 94 |  |
|  | 95 |  |
|  | 96 |  |
| 17 | 97 | MAJOR |
|  | 98 | BLOOD |
|  | 99 | BONES |
|  | 100 | HEART |
|  | 101 |  |
|  | 102 |  |
| 18 | 103 | MAJOR |
|  | 104 | BLOOD |
|  | 105 | BONES |
|  | 106 | HEART |
|  | 107 | TUMOR |
|  | 108 |  |
| 19 | 109 | MAJOR |
|  | 110 | BLOOD |
|  | 111 | BONES |
|  | 112 | HEART |
|  | 113 | TUMOR |
|  | 114 |  |
| 20 | 115 | MAJOR |
|  | 116 | BLOOD |
|  | 117 |  |
|  | 118 |  |
|  | 119 |  |
|  | 120 |  |
| 21 | 121 | MAJOR |
|  | 122 | SURGERY |
|  | 123 | COND |
|  | 124 |  |
|  | 125 |  |
|  | 126 |  |
| 22 | 127 | MAJOR |
|  | 128 | SURGERY |
|  | 129 | COND |
|  | 130 | DIAGNOSIS |
|  | 131 |  |
|  | 132 |  |
| 23 | 133 | MAJOR |
|  | 134 | SURGERY |
|  | 135 | COND |
|  | 136 | DIAGNOSIS |
|  | 137 |  |
|  | 138 |  |
| 24 | 139 | MAJOR |
|  | 140 | SURGERY |
|  | 141 |  |
|  | 142 |  |
|  | 143 |  |
|  | 144 |  |
| 25 | 145 | MAJOR |
|  | 146 | SOCIALRULES |
|  | 147 | CRIMINAL |
|  | 148 |  |
|  | 149 |  |
|  | 150 |  |
| 26 | 151 | MAJOR |
|  | 152 | SOCIALRULES |
|  | 153 | CRIMINAL |
|  | 154 | POLITICALKNOW |
|  | 155 |  |
|  | 156 |  |
| 27 | 157 | MAJOR |
|  | 158 | SOCIALRULES |
|  | 159 | CRIMINAL |
|  | 160 | POLITICALKNOW |
|  | 161 | LEGAL |
|  | 162 |  |
| 28 | 163 | MAJOR |
|  | 164 | SOCIALRULES |
|  | 165 | CRIMINAL |
|  | 166 | POLITICALKNOW |
|  | 167 | LEGAL |
|  | 168 |  |
| 29 | 169 | MAJOR |
|  | 170 | SOCIALRULES |
|  | 171 |  |
|  | 172 |  |
|  | 173 |  |
|  | 174 |  |
| 30 | 175 | MAJOR |
|  | 176 | HUMANBEHAV |
|  | 177 | COUNSELLING |
|  | 178 |  |
|  | 179 |  |
|  | 180 |  |
| 31 | 181 | MAJOR |
|  | 182 | HUMANBEHAV |
|  | 183 | COUNSELLING |
|  | 184 | SOCRS |
|  | 185 |  |
|  | 186 |  |
| 32 | 187 | MAJOR |
|  | 188 | HUMANBEHAV |
|  | 189 | COUNSELLING |
|  | 190 | SOCRS |
|  | 191 |  |
|  | 192 |  |
| 33 | 193 | MAJOR |
|  | 194 | HUMANBEHAV |
|  | 195 |  |
|  | 196 |  |
|  | 197 |  |
|  | 198 |  |
| 34 | 199 | MAJOR |
|  | 200 | USA |
|  | 201 |  |
|  | 202 |  |
|  | 203 |  |
|  | 204 |  |
| 35 | 205 | MAJOR |
|  | 206 | USA |
|  | 207 | ASI |
|  | 208 |  |
|  | 209 |  |
|  | 210 |  |
| 36 | 211 | MAJOR |
|  | 212 | USA |
|  | 213 | ASI |
|  | 214 | EURO |
|  | 215 |  |
|  | 216 |  |
| 37 | 217 | MAJOR |
|  | 218 | USA |
|  | 219 | ASI |
|  | 220 | EURO |
|  | 221 | AFR |
|  | 222 |  |
| 38 | 223 | MAJOR |
|  | 224 | USA |
|  | 225 | ASI |
|  | 226 | EURO |
|  | 227 | AFR |
|  | 228 |  |
| 39 | 229 | MAJOR |
|  | 230 | HEALTHMANG |
|  | 231 | AWARENESS |
|  | 232 |  |
|  | 233 |  |
|  | 234 |  |
| 40 | 235 | MAJOR |
|  | 236 | HEALTHMANG |
|  | 237 | AWARENESS |
|  | 238 |  |
|  | 239 |  |
|  | 240 |  |
| 41 | 241 | MAJOR |
|  | 242 | HEALTHMANG |
|  | 243 | DESKJOB |
|  | 244 |  |
|  | 245 |  |
|  | 246 |  |
| 42 | 247 | MAJOR |
|  | 248 | HEALTHMANG |
|  | 249 | DESKJOB |
|  | 250 |  |
|  | 251 |  |
|  | 252 |  |
| 43 | 253 | MAJOR |
|  | 254 | TEACHINGCHILD |
|  | 255 |  |
|  | 256 |  |
|  | 257 |  |
|  | 258 |  |
| 44 | 259 | MAJOR |
|  | 260 | TEACHINGCHILD |
|  | 261 | MANYCOURSES |
|  | 262 | UNIV |
|  | 263 |  |
|  | 264 |  |
| 45 | 265 | MAJOR |
|  | 266 | TEACHINGCHILD |
|  | 267 | MANYCOURSES |
|  | 268 | UNIV |
|  | 269 | EVSSTUDIES |
|  | 270 |  |
| 46 | 271 | MAJOR |
|  | 272 | TEACHINGCHILD |
|  | 273 | MANYCOURSES |
|  | 274 | UNIV |
|  | 275 | EVSSTUDIES |
|  | 276 |  |
| 47 | 277 | MAJOR |
|  | 278 | TEACHINGCHILD |
|  | 279 | MANYCOURSES |
|  | 280 |  |
|  | 281 |  |
|  | 282 |  |