> col7fact1 <- fa(col07d,nfactors=1,rotate = "varimax")

> col7fact1$loadings

Loadings:

MR1

B008 -0.155

C001 -0.129

C002

E018 -0.178

E034 -0.125

E035

E036

E039

F028 -0.443

F034 -0.332

F063 -0.441

F116 0.214

F118 0.591

F120 0.642

F121 0.577

F144\_02 0.370

G006 -0.263

MR1

SS loadings 1.935

Proportion Var 0.114

> col7fact2 <- fa(col07d,nfactors=2,rotate = "varimax")

> col7fact2$loadings

Loadings:

MR1 MR2

B008 -0.106 0.115

C001 -0.131

C002

E018 0.239

E034 0.183

E035

E036

E039 0.103

F028 -0.238 0.444

F034 0.518

F063 -0.160 0.610

F116 0.294

F118 0.625 -0.148

F120 0.554 -0.295

F121 0.682

F144\_02 0.458

G006 -0.111 0.301

MR1 MR2

SS loadings 1.598 1.172

Proportion Var 0.094 0.069

Cumulative Var 0.094 0.163

> col7fact3 <- fa(col07d,nfactors=3,rotate = "varimax")

> col7fact3$loadings

Loadings:

MR1 MR2 MR3

B008 -0.192 0.288

C001 -0.186 0.163

C002

E018 0.272

E034 0.134 0.155

E035

E036

E039 0.249

F028 -0.226 0.435 0.108

F034 0.514 0.121

F063 -0.143 0.593 0.158

F116 0.211 -0.102 0.435

F118 0.636 -0.158

F120 0.493 -0.396 0.171

F121 0.705

F144\_02 0.422 0.152

G006 -0.108 0.286

MR1 MR2 MR3

SS loadings 1.529 1.19 0.508

Proportion Var 0.090 0.07 0.030

Cumulative Var 0.090 0.16 0.190

> col7fact4 <- fa(col07d,nfactors=4,rotate = "varimax")

> col7fact4$loadings

Loadings:

MR1 MR2 MR3 MR4

B008 -0.105 0.294 0.116

C001 -0.113 0.272 -0.116

C002 -0.165

E018 0.251

E034 0.136 0.290

E035 0.262

E036 0.191

E039 0.183 0.237

F028 -0.185 0.472 0.109

F034 0.560

F063 -0.116 0.598 0.103

F116 0.352 0.395

F118 0.609 -0.175 -0.169

F120 0.537 -0.365

F121 0.673 -0.111 -0.183

F144\_02 0.445

G006 0.295

MR1 MR2 MR3 MR4

SS loadings 1.521 1.251 0.457 0.333

Proportion Var 0.089 0.074 0.027 0.020

Cumulative Var 0.089 0.163 0.190 0.209