

BT2022 | JAN-MAY 2023 | QUIZ IV | 20 Marks

Consider the data on the dependency of Y on (X₁, X₂, X₃, X₄). Fit into the given multiple linear regression model at the given alpha value. Find out the given (i, j) th element of the $X^T X$, $(X^T X)^{-1}$, and covariance matrices (3 X 4 = 12 marks). Compute the SSR (4 marks). Find out the lower bound of the beta_kth parameter (given k value) at the given alpha (4 marks).

AE18B029

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0205163
Matrix Index 1 = 1, Matrix Index 2 = 5
Parameter No. = 3

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.292031}], [{-0.418388}], [{0.327769}], [{-0.0290224}], [{6.02593}]
[{0.198951}], [{0.32708}], [{0.346506}], [{-0.450487}], [{12.6607}]
[{0.370385}], [{0.472404}], [{0.387682}], [{0.786668}], [{14.0482}]
[{0.324779}], [{0.0795675}], [{0.360795}], [{0.316857}], [{12.7768}]
[{0.104244}], [{0.822082}], [{0.744464}], [{0.349853}], [{17.6226}]
[{0.738557}], [{-0.0630917}], [{0.405445}], [{0.456617}], [{18.0668}]
[{0.651016}], [{0.996527}], [{0.926202}], [{0.365419}], [{33.4614}]
[{0.553619}], [{1.29642}], [{0.762675}], [{1.13187}], [{43.5503}]
[{0.902692}], [{0.862363}], [{0.712301}], [{1.04302}], [{37.2411}]
[{0.802723}], [{0.458587}], [{0.613263}], [{0.805129}], [{24.4229}]
[{0.820264}], [{1.00365}], [{0.559751}], [{1.06562}], [{35.9614}]
[{1.74811}], [{0.541239}], [{0.5396}], [{0.119945}], [{35.0813}]
[{0.877177}], [{1.08757}], [{0.788331}], [{1.43575}], [{46.0161}]
[{1.43165}], [{1.38062}], [{1.13922}], [{1.09686}], [{90.5288}]
[{1.40502}], [{1.12267}], [{1.6995}], [{1.74161}], [{100.481}]
[{1.41409}], [{1.36134}], [{1.7457}], [{1.37952}], [{113.481}]
[{1.79361}], [{2.27891}], [{1.43453}], [{2.06212}], [{252.568}]
[{1.44081}], [{1.29577}], [{1.28706}], [{1.39118}], [{94.3333}]
[{2.26974}], [{1.7568}], [{1.76631}], [{1.44282}], [{213.819}]
[{2.19723}], [{2.0928}], [{1.79013}], [{1.63263}], [{274.735}]
[{2.22554}], [{2.29713}], [{1.63126}], [{1.89069}], [{309.835}]
[{1.62902}], [{3.1624}], [{2.14774}], [{1.94278}], [{496.245}]
[{1.94476}], [{2.26334}], [{1.63335}], [{1.95805}], [{280.046}]
[{2.06827}], [{2.5967}], [{2.16479}], [{1.57388}], [{400.673}]
[{2.45018}], [{3.03026}], [{1.98314}], [{2.09837}], [{562.019}]
[{2.40081}], [{2.86815}], [{2.53194}], [{2.32597}], [{594.53}]
[{2.30303}], [{2.38084}], [{2.82796}], [{2.27093}], [{473.695}]
[{2.76051}], [{2.962}], [{2.31847}], [{2.92324}], [{677.501}]
[{3.18988}], [{2.29238}], [{3.13867}], [{2.59272}], [{618.046}]
[{2.83389}], [{2.94702}], [{3.26801}], [{3.50539}], [{885.741}]]

AE19B002

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.024007
Matrix Index 1 = 5, Matrix Index 2 = 5
Parameter No. = 3

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.345317}], [{0.640468}], [{-0.333929}], [{0.352313}], [{9.85831}]
[{0.0215038}], [{-0.341303}], [{0.760301}], [{0.183787}], [{7.88962}]
[{0.336602}], [{0.173444}], [{0.117572}], [{0.144496}], [{8.65401}]
[{0.911227}], [{0.736868}], [{0.694877}], [{0.300962}], [{21.8067}]
[{0.550998}], [{0.966202}], [{0.564175}], [{0.536911}], [{20.749}]
[{0.601877}], [{-0.0843567}], [{0.387408}], [{0.193429}], [{13.7085}]
[{0.618546}], [{0.326469}], [{0.208578}], [{0.722644}], [{12.4447}]
[{0.145925}], [{0.946447}], [{0.799144}], [{1.03769}], [{16.1085}]
[{0.779635}], [{0.160687}], [{0.945045}], [{1.73423}], [{25.6092}]]

[{0.866838}], [{1.13066}], [{1.18087}], [{1.31411}], [{44.1638}]
[{0.891671}], [{0.584581}], [{0.910202}], [{0.803119}], [{25.139}]
[{0.99038}], [{0.836299}], [{0.802323}], [{0.570193}], [{27.5427}]
[{0.921841}], [{1.50053}], [{1.29758}], [{1.02006}], [{61.0922}]
[{1.1379}], [{1.88133}], [{1.29779}], [{0.860993}], [{87.9302}]
[{0.940049}], [{0.913604}], [{0.958067}], [{1.46322}], [{36.0712}]
[{1.00742}], [{1.53872}], [{1.56731}], [{1.86395}], [{86.3441}]
[{1.62383}], [{1.47251}], [{1.42775}], [{1.38404}], [{95.9052}]
[{1.7482}], [{1.85628}], [{1.84875}], [{1.53032}], [{152.581}]
[{1.96279}], [{1.48588}], [{1.80679}], [{1.91534}], [{141.816}]
[{1.77041}], [{1.72091}], [{2.4164}], [{1.79583}], [{177.969}]
[{1.72803}], [{1.86208}], [{1.68417}], [{1.80147}], [{147.94}]
[{2.10733}], [{2.12249}], [{1.82949}], [{2.16171}], [{220.246}]
[{2.36415}], [{2.18255}], [{1.9}], [{2.1572}], [{250.589}]
[{2.24057}], [{2.39392}], [{2.47671}], [{2.17114}], [{320.91}]
[{2.6466}], [{2.10059}], [{2.68046}], [{2.25592}], [{336.326}]
[{2.35954}], [{2.84437}], [{2.65713}], [{2.18295}], [{433.489}]
[{2.28943}], [{2.31238}], [{2.56634}], [{2.4174}], [{333.965}]
[{2.88167}], [{3.204}], [{2.4787}], [{2.69183}], [{579.84}]
[{2.65886}], [{3.50595}], [{2.45783}], [{3.26129}], [{653.101}]
[{2.75362}], [{3.01675}], [{2.81002}], [{3.26664}], [{609.043}]

AE19B004

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0401566

Matrix Index 1 = 1, Matrix Index 2 = 2

Parameter No. = 1

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.313199}], [{-0.772309}], [{0.29847}], [{0.0271776}], [{17.8143}]
[{0.526745}], [{0.865587}], [{0.45735}], [{-0.737108}], [{21.3696}]
[{0.645284}], [{0.169249}], [{0.12325}], [{0.4225}], [{17.7789}]
[{0.0841904}], [{0.700877}], [{0.17005}], [{0.369959}], [{12.7613}]
[{0.626968}], [{0.456796}], [{0.0292831}], [{0.316893}], [{17.3435}]
[{0.926168}], [{0.196172}], [{0.899258}], [{0.979715}], [{28.6398}]
[{0.286714}], [{0.963106}], [{0.531491}], [{0.59747}], [{23.2804}]
[{0.618651}], [{0.303154}], [{0.47689}], [{0.57224}], [{19.8305}]
[{1.76142}], [{0.0614689}], [{0.586469}], [{0.714023}], [{35.8753}]
[{1.39743}], [{1.01784}], [{0.988319}], [{0.926525}], [{65.7597}]
[{0.643276}], [{1.09241}], [{1.43625}], [{1.01402}], [{54.2362}]
[{0.907943}], [{1.01118}], [{1.72955}], [{1.40817}], [{72.0828}]
[{1.10694}], [{1.26878}], [{1.48541}], [{0.867306}], [{82.3084}]
[{1.44659}], [{1.05161}], [{1.30285}], [{0.983074}], [{79.382}]
[{1.58578}], [{1.38488}], [{1.08931}], [{1.15759}], [{104.153}]
[{1.71761}], [{2.04173}], [{1.10961}], [{1.83434}], [{192.096}]
[{1.82468}], [{1.42454}], [{1.40781}], [{1.60489}], [{145.832}]
[{1.76587}], [{1.05622}], [{2.0397}], [{1.65981}], [{141.33}]
[{1.49668}], [{2.28934}], [{2.1929}], [{1.8505}], [{303.599}]
[{1.73536}], [{2.03434}], [{1.31348}], [{1.17659}], [{191.039}]
[{1.9629}], [{2.01963}], [{2.74434}], [{2.08784}], [{363.8}]
[{1.98765}], [{2.36791}], [{2.19472}], [{2.13665}], [{386.3}]
[{2.56195}], [{2.3993}], [{2.31523}], [{1.96571}], [{468.809}]
[{2.2253}], [{2.46291}], [{1.96227}], [{2.39754}], [{422.707}]
[{2.24116}], [{2.35686}], [{2.28847}], [{2.49306}], [{449.313}]

[{2.47129}], [{2.69675}], [{2.80324}], [{2.63996}], [{654.269}]
[{2.91703}], [{2.6681}], [{2.07629}], [{2.47633}], [{590.752}]
[{2.51082}], [{3.01606}], [{2.57403}], [{2.60166}], [{725.105}]
[{2.55217}], [{3.16824}], [{2.89771}], [{2.47242}], [{832.877}]
[{2.98233}], [{2.42891}], [{2.52795}], [{2.97378}], [{645.625}]

AE19B012

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0109919

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.0891436}], [{ -0.212343}], [{ -0.347969}], [{ -0.703171}], [{ 5.73472}]
[{-0.159089}], [{ 0.0704899}], [{ 0.422136}], [{ -0.230559}], [{ 6.79285}]
[{-0.283514}], [{ 0.393779}], [{ -0.328947}], [{ -0.0423817}], [{ 4.59909}]
[{ 0.448798}], [{ 0.700181}], [{ 0.870174}], [{ 0.233008}], [{ 20.0919}]
[{ 0.47039}], [{ -0.483859}], [{ 0.389709}], [{ 0.906907}], [{ 18.7062}]
[{ 0.831376}], [{ 0.475954}], [{ 0.30765}], [{ 0.232465}], [{ 22.9841}]
[{ 0.141061}], [{ 0.370231}], [{ 0.732199}], [{ 1.03011}], [{ 14.0618}]
[{ 0.41734}], [{ 1.16883}], [{ 0.515962}], [{ 0.325331}], [{ 27.4064}]
[{ 0.302442}], [{ 0.655514}], [{ 1.17055}], [{ 1.18659}], [{ 21.4504}]
[{ 0.870353}], [{ 1.14026}], [{ 1.43769}], [{ 1.93831}], [{ 73.4652}]
[{ 0.762908}], [{ 0.959632}], [{ 0.710125}], [{ 0.977107}], [{ 35.0571}]
[{ 1.25874}], [{ 1.40068}], [{ 1.46443}], [{ 1.15854}], [{ 99.556}]
[{ 1.3665}], [{ 1.61291}], [{ 1.88055}], [{ 1.51493}], [{ 150.742}]
[{ 1.08309}], [{ 1.17658}], [{ 2.02063}], [{ 1.67672}], [{ 102.527}]
[{ 0.814933}], [{ 1.66471}], [{ 1.28018}], [{ 0.993924}], [{ 85.9465}]
[{ 2.2259}], [{ 1.29413}], [{ 1.60985}], [{ 1.44917}], [{ 152.723}]
[{ 1.81323}], [{ 1.82484}], [{ 2.13604}], [{ 1.62487}], [{ 228.187}]
[{ 2.48216}], [{ 1.98678}], [{ 1.2821}], [{ 1.80867}], [{ 252.804}]
[{ 1.65827}], [{ 2.17679}], [{ 1.93733}], [{ 2.03611}], [{ 266.732}]
[{ 1.84064}], [{ 2.22221}], [{ 2.12412}], [{ 2.00114}], [{ 309.147}]
[{ 2.27095}], [{ 1.89927}], [{ 2.30843}], [{ 1.73575}], [{ 295.035}]
[{ 1.33567}], [{ 2.16241}], [{ 2.23409}], [{ 1.87401}], [{ 247.676}]
[{ 2.27363}], [{ 2.19629}], [{ 1.40318}], [{ 2.21015}], [{ 291.885}]
[{ 2.15487}], [{ 2.31081}], [{ 2.25112}], [{ 2.72735}], [{ 405.764}]
[{ 1.74137}], [{ 2.50335}], [{ 2.52617}], [{ 2.17633}], [{ 397.446}]
[{ 2.15518}], [{ 2.63948}], [{ 2.64901}], [{ 2.54546}], [{ 520.259}]
[{ 1.82469}], [{ 2.3327}], [{ 3.0264}], [{ 2.78999}], [{ 448.737}]
[{ 2.78836}], [{ 3.07127}], [{ 2.17942}], [{ 3.2022}], [{ 723.696}]
[{ 2.70594}], [{ 2.81371}], [{ 2.77467}], [{ 3.47796}], [{ 745.443}]
[{ 2.67027}], [{ 3.1008}], [{ 3.05107}], [{ 2.26631}], [{ 788.043}]]

AE19B015

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.034956

Matrix Index 1 = 3, Matrix Index 2 = 4

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{ 0.526199}], [{ 0.362029}], [{ -0.223628}], [{ 0.587581}], [{ 14.2665}]
[{ 0.190167}], [{ 0.730117}], [{ 0.17434}], [{ 0.235646}], [{ 14.5204}]
[{ 0.639585}], [{ -0.165499}], [{ 0.573329}], [{ 0.366879}], [{ 16.5007}]]

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[ { 0.632748 } ], [ { -0.0941294 } ], [ { 0.260424 } ], [ { 0.549148 } ], [ { 16.3566 } ]
[ { 0.498537 } ], [ { 0.439882 } ], [ { 0.510506 } ], [ { 0.342523 } ], [ { 15.421 } ]
[ { 0.578791 } ], [ { 0.876934 } ], [ { 0.307779 } ], [ { 0.653047 } ], [ { 21.7284 } ]
[ { 0.882055 } ], [ { 0.998067 } ], [ { 0.643673 } ], [ { 0.78049 } ], [ { 40.6736 } ]
[ { 1.05929 } ], [ { 0.209629 } ], [ { 0.928467 } ], [ { 0.649849 } ], [ { 26.9363 } ]
[ { 0.385413 } ], [ { 0.922092 } ], [ { 1.30035 } ], [ { 0.945761 } ], [ { 31.8287 } ]
[ { 0.829169 } ], [ { 1.71786 } ], [ { 1.30154 } ], [ { 1.04646 } ], [ { 93.9308 } ]
[ { 1.08594 } ], [ { 0.776005 } ], [ { 0.806596 } ], [ { 1.0144 } ], [ { 41.0139 } ]
[ { 1.3148 } ], [ { 0.875337 } ], [ { 0.76825 } ], [ { 0.841072 } ], [ { 47.1386 } ]
[ { 1.38726 } ], [ { 0.958323 } ], [ { 0.610058 } ], [ { 1.59671 } ], [ { 54.8757 } ]
[ { 1.50841 } ], [ { 1.30516 } ], [ { 1.18157 } ], [ { 1.09105 } ], [ { 89.1808 } ]
[ { 1.11558 } ], [ { 1.88469 } ], [ { 2.02354 } ], [ { 1.49782 } ], [ { 171.117 } ]
[ { 1.58322 } ], [ { 0.641889 } ], [ { 1.46067 } ], [ { 2.12294 } ], [ { 89.9677 } ]
[ { 1.5959 } ], [ { 1.39189 } ], [ { 1.35705 } ], [ { 1.43836 } ], [ { 116.771 } ]
[ { 1.83256 } ], [ { 2.53665 } ], [ { 2.32791 } ], [ { 1.86086 } ], [ { 382.417 } ]
[ { 2.11257 } ], [ { 2.09631 } ], [ { 1.98869 } ], [ { 2.0338 } ], [ { 300.181 } ]
[ { 1.75284 } ], [ { 2.05656 } ], [ { 2.14617 } ], [ { 1.92478 } ], [ { 269.993 } ]
[ { 2.04344 } ], [ { 1.78993 } ], [ { 1.78458 } ], [ { 1.87757 } ], [ { 224.009 } ]
[ { 1.83975 } ], [ { 2.04145 } ], [ { 2.47675 } ], [ { 1.7656 } ], [ { 293.899 } ]
[ { 2.01634 } ], [ { 1.76969 } ], [ { 2.3437 } ], [ { 2.31577 } ], [ { 281.804 } ]
[ { 2.15463 } ], [ { 1.9719 } ], [ { 2.55147 } ], [ { 2.18731 } ], [ { 342.158 } ]
[ { 2.5291 } ], [ { 2.84658 } ], [ { 2.14393 } ], [ { 2.60748 } ], [ { 560.26 } ]
[ { 2.27241 } ], [ { 2.46957 } ], [ { 2.36503 } ], [ { 2.01762 } ], [ { 429.15 } ]
[ { 2.92554 } ], [ { 2.53001 } ], [ { 2.2868 } ], [ { 3.5411 } ], [ { 621.981 } ]
[ { 2.82089 } ], [ { 2.53258 } ], [ { 3.03106 } ], [ { 3.2622 } ], [ { 709.837 } ]
[ { 2.1132 } ], [ { 3.06422 } ], [ { 2.86407 } ], [ { 2.10463 } ], [ { 637.939 } ]
[ { 3.16188 } ], [ { 2.62173 } ], [ { 2.64038 } ], [ { 3.21843 } ], [ { 722.302 } ]

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AE19B035

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0349665

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 2

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[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[ { -0.31031 } ], [ { 0.0907869 } ], [ { -0.49837 } ], [ { -0.0849948 } ], [ { 4.61506 } ]
[ { 0.454343 } ], [ { 0.597952 } ], [ { -0.243828 } ], [ { -0.167105 } ], [ { 13.8416 } ]
[ { 0.921965 } ], [ { 0.227722 } ], [ { -0.395977 } ], [ { -0.111112 } ], [ { 17.1167 } ]
[ { 0.668265 } ], [ { 0.212316 } ], [ { -0.111691 } ], [ { 0.680783 } ], [ { 15.7931 } ]
[ { 0.429816 } ], [ { -0.303662 } ], [ { 0.190515 } ], [ { 0.472788 } ], [ { 12.4958 } ]
[ { 0.478552 } ], [ { 0.00621314 } ], [ { 0.601982 } ], [ { 0.927551 } ], [ { 15.4967 } ]
[ { 0.444897 } ], [ { 0.434541 } ], [ { 0.572366 } ], [ { 0.54334 } ], [ { 14.5548 } ]
[ { 0.316238 } ], [ { 0.680512 } ], [ { 0.708908 } ], [ { 0.541798 } ], [ { 17.967 } ]
[ { 1.01796 } ], [ { 0.963672 } ], [ { 0.74763 } ], [ { 0.723741 } ], [ { 39.0771 } ]
[ { 0.942738 } ], [ { 1.14821 } ], [ { 0.584617 } ], [ { 0.827905 } ], [ { 41.7907 } ]
[ { 1.13057 } ], [ { 0.976357 } ], [ { 0.875717 } ], [ { 1.49161 } ], [ { 53.511 } ]
[ { 1.06741 } ], [ { 1.27916 } ], [ { 0.940412 } ], [ { 0.908414 } ], [ { 61.5221 } ]
[ { 0.901011 } ], [ { 1.53694 } ], [ { 1.49 } ], [ { 1.08776 } ], [ { 89.5624 } ]
[ { 1.43366 } ], [ { 1.67863 } ], [ { 0.867004 } ], [ { 1.7661 } ], [ { 110.172 } ]
[ { 1.89399 } ], [ { 0.270603 } ], [ { 1.38794 } ], [ { 1.54516 } ], [ { 69.0957 } ]
[ { 1.91313 } ], [ { 0.832343 } ], [ { 1.32083 } ], [ { 1.02821 } ], [ { 73.5117 } ]
[ { 1.56008 } ], [ { 1.40707 } ], [ { 1.22532 } ], [ { 1.56698 } ], [ { 107.364 } ]
[ { 1.70612 } ], [ { 1.56536 } ], [ { 1.64552 } ], [ { 1.38472 } ], [ { 145.903 } ]
[ { 1.5393 } ], [ { 2.05925 } ], [ { 1.56797 } ], [ { 1.52202 } ], [ { 193.756 } ]

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```
[{2.11827}], [{2.00091}], [{1.3098}], [{2.31965}], [{228.092}]
[{1.9239}], [{1.58085}], [{1.73598}], [{2.25247}], [{192.039}]
[{2.26895}], [{1.70333}], [{1.95928}], [{2.05785}], [{240.912}]
[{1.86614}], [{2.27451}], [{2.70579}], [{2.28687}], [{382.663}]
[{2.80131}], [{2.28495}], [{2.18088}], [{2.13841}], [{424.107}]
[{2.83954}], [{2.13402}], [{2.43788}], [{1.93214}], [{408.963}]
[{1.58273}], [{2.1565}], [{2.53269}], [{2.62868}], [{322.268}]
[{2.12722}], [{2.35296}], [{2.82275}], [{2.30715}], [{444.778}]
[{2.67882}], [{2.68588}], [{2.54908}], [{2.86232}], [{607.139}]
[{2.93307}], [{2.69908}], [{2.54335}], [{2.71068}], [{635.638}]
[{3.16261}], [{2.59693}], [{2.58421}], [{2.90288}], [{657.588}]
```

AE19B037

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0328481

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 2

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.725044}], [{-0.386716}], [{0.27913}], [{0.423886}], [{5.61529}]
[{-0.17342}], [{-0.149414}], [{0.10275}], [{0.25334}], [{14.8164}]
[{-0.039784}], [{0.830484}], [{0.320378}], [{0.159932}], [{16.0577}]
[{-0.172657}], [{0.539801}], [{0.382843}], [{-0.623105}], [{15.203}]
[{-0.111024}], [{0.693099}], [{0.662652}], [{0.595687}], [{18.0151}]
[{-0.366439}], [{0.521796}], [{0.211953}], [{0.545569}], [{15.6893}]
[{-0.856536}], [{0.549563}], [{0.501921}], [{0.392651}], [{25.9487}]
[{-0.591382}], [{0.734977}], [{0.758669}], [{0.646534}], [{29.6216}]
[{-0.559834}], [{1.09675}], [{0.185597}], [{0.469755}], [{27.2506}]
[{-1.70906}], [{0.868018}], [{1.27049}], [{0.176395}], [{56.3356}]
[{-0.689663}], [{1.45216}], [{1.37456}], [{0.672015}], [{70.1375}]
[{-1.28037}], [{0.690878}], [{1.64731}], [{1.72066}], [{80.0729}]
[{-1.30495}], [{1.04455}], [{1.31399}], [{1.00013}], [{73.0099}]
[{-1.87804}], [{1.06885}], [{1.40481}], [{1.16222}], [{103.559}]
[{-1.57512}], [{0.808218}], [{1.02967}], [{1.55814}], [{73.2614}]
[{-1.83636}], [{1.47373}], [{1.37204}], [{0.961187}], [{131.025}]
[{-1.01398}], [{1.80848}], [{1.21171}], [{1.48478}], [{118.038}]
[{-1.87309}], [{1.94294}], [{1.56942}], [{1.45251}], [{213.329}]
[{-2.09892}], [{1.81389}], [{1.82418}], [{2.51249}], [{273.303}]
[{-1.49552}], [{2.18983}], [{1.9979}], [{1.87487}], [{263.983}]
[{-2.26097}], [{2.65419}], [{1.55281}], [{1.4828}], [{382.053}]
[{-1.97828}], [{2.28292}], [{1.7524}], [{1.89965}], [{311.258}]
[{-2.99577}], [{2.45928}], [{2.28928}], [{2.03742}], [{536.915}]
[{-2.08939}], [{2.49113}], [{2.48978}], [{2.48685}], [{474.856}]
[{-1.77394}], [{2.08142}], [{2.68412}], [{2.40029}], [{354.257}]
[{-2.06067}], [{2.25937}], [{2.8053}], [{2.12936}], [{424.062}]
[{-2.49277}], [{2.60716}], [{2.39464}], [{1.99492}], [{520.644}]
[{-3.02979}], [{2.47696}], [{2.53104}], [{3.08022}], [{661.507}]
[{-3.21688}], [{2.50818}], [{2.99652}], [{2.87398}], [{757.148}]
[{-3.5063}], [{2.7315}], [{2.64551}], [{2.91191}], [{832.532}]
```

AE19B048

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0361588

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 5

```
[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.0819978}},{ {-0.375766}},{ {-0.548686}},{ {-0.291653}},{ {9.33973}}]
[{{0.449813}},{ {0.486833}},{ {0.649196}},{ {0.485187}},{ {19.2902}}]
[{{0.135665}},{ {0.386206}},{ {0.253497}},{ {-0.0373753}},{ {12.0497}}]
[{{0.8947}},{ {0.063028}},{ {0.353252}},{ {0.601645}},{ {20.1082}}]
[{{0.463828}},{ {0.451966}},{ {0.447869}},{ {0.410486}},{ {17.7574}}]
[{{1.07147}},{ {0.15761}},{ {0.891846}},{ {0.667267}},{ {26.5222}}]
[{{0.852499}},{ {-0.313799}},{ {0.373625}},{ {0.190648}},{ {21.7546}}]
[{{0.490455}},{ {0.728464}},{ {0.171579}},{ {0.987287}},{ {21.0892}}]
[{{1.01125}},{ {0.846077}},{ {1.12133}},{ {0.791361}},{ {45.6642}}]
[{{0.625653}},{ {1.04555}},{ {0.986764}},{ {1.26218}},{ {41.3351}}]
[{{1.03226}},{ {0.902694}},{ {0.75634}},{ {0.84012}},{ {43.0752}}]
[{{0.691736}},{ {0.563567}},{ {1.14242}},{ {1.39083}},{ {32.6337}}]
[{{1.14679}},{ {1.14231}},{ {0.931462}},{ {0.999803}},{ {60.342}}]
[{{0.729312}},{ {1.49559}},{ {1.22826}},{ {1.24456}},{ {71.1568}}]
[{{1.31688}},{ {1.12929}},{ {1.62553}},{ {1.47976}},{ {91.604}}]
[{{1.2636}},{ {1.36469}},{ {1.5687}},{ {1.11235}},{ {98.7384}}]
[{{1.94185}},{ {1.73707}},{ {2.2332}},{ {1.36823}},{ {217.458}}]
[{{1.68032}},{ {1.82373}},{ {1.95848}},{ {2.30707}},{ {222.457}}]
[{{1.38643}},{ {1.96261}},{ {1.75871}},{ {1.37285}},{ {181.299}}]
[{{1.79321}},{ {1.01121}},{ {1.62697}},{ {1.28834}},{ {100.689}}]
[{{1.72024}},{ {2.72774}},{ {2.36176}},{ {2.76304}},{ {441.434}}]
[{{2.67326}},{ {2.17468}},{ {2.24485}},{ {2.44044}},{ {422.057}}]
[{{1.93144}},{ {2.59233}},{ {2.70193}},{ {2.25195}},{ {455.527}}]
[{{2.68089}},{ {2.20207}},{ {2.28036}},{ {1.42532}},{ {377.757}}]
[{{2.29571}},{ {2.24083}},{ {1.82318}},{ {2.88793}},{ {368.218}}]
[{{2.91835}},{ {2.1082}},{ {2.72246}},{ {2.01202}},{ {453.223}}]
[{{2.46929}},{ {2.72005}},{ {2.73624}},{ {3.08912}},{ {629.486}}]
[{{2.38606}},{ {2.3203}},{ {2.42275}},{ {2.51769}},{ {441.768}}]
[{{2.64846}},{ {2.58483}},{ {2.52349}},{ {2.81399}},{ {578.937}}]
[{{2.59552}},{ {2.57777}},{ {2.81916}},{ {3.1717}},{ {625.791}}]
```

AE19B053

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0426582

Matrix Index 1 = 2, Matrix Index 2 = 4

Parameter No. = 5

```
[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.0839915}},{ {0.266712}},{ {0.0363834}},{ {0.23595}},{ {7.82249}}]
[{{0.494179}},{ {0.200823}},{ {-0.161547}},{ {0.878827}},{ {13.3912}}]
[{{0.351835}},{ {0.199926}},{ {0.529574}},{ {0.536591}},{ {16.4441}}]
[{{0.695512}},{ {0.707766}},{ {-0.0408973}},{ {-0.214719}},{ {18.6901}}]
[{{0.202366}},{ {0.26234}},{ {0.242563}},{ {-0.0169111}},{ {11.0694}}]
[{{1.03683}},{ {0.611688}},{ {0.688983}},{ {0.794403}},{ {32.4689}}]
[{{0.399636}},{ {0.537592}},{ {0.478749}},{ {0.651377}},{ {18.3657}}]
[{{1.03849}},{ {0.380681}},{ {0.35281}},{ {0.618709}},{ {24.4557}}]
[{{0.734602}},{ {0.55649}},{ {0.35695}},{ {1.02974}},{ {22.6067}}]
[{{1.32355}},{ {0.830467}},{ {1.08463}},{ {0.769647}},{ {49.4946}}]
[{{1.1117}},{ {0.976245}},{ {1.11752}},{ {0.7023}},{ {49.7946}}]
[{{1.05985}},{ {1.07746}},{ {1.33668}},{ {1.11092}},{ {62.6891}}]
[{{1.35503}},{ {0.888443}},{ {1.20702}},{ {1.02145}},{ {61.1928}}]
```

[{1.59263}], [{1.01647}], [{1.19071}], [{1.85233}], [{92.3918}]
[{0.733081}], [{1.65081}], [{1.55145}], [{1.69067}], [{96.7485}]
[{1.67407}], [{1.58222}], [{1.73758}], [{1.76502}], [{163.641}]
[{1.15168}], [{1.67817}], [{1.68421}], [{1.98697}], [{139.167}]
[{1.59377}], [{1.99846}], [{1.92717}], [{1.42974}], [{204.96}]
[{1.87541}], [{1.35738}], [{1.9759}], [{1.87151}], [{172.195}]
[{1.71421}], [{1.55031}], [{1.62049}], [{1.30625}], [{141.38}]
[{1.74842}], [{2.10178}], [{2.11042}], [{1.91252}], [{265.337}]
[{1.78965}], [{1.09515}], [{2.24077}], [{2.62444}], [{190.272}]
[{2.59862}], [{2.38375}], [{2.19097}], [{1.77515}], [{398.958}]
[{2.36531}], [{2.13445}], [{2.45618}], [{2.79457}], [{418.208}]
[{2.00423}], [{2.55806}], [{2.03912}], [{2.38}], [{383.177}]
[{2.12477}], [{2.94721}], [{2.53658}], [{2.39358}], [{548.677}]
[{2.36812}], [{2.60019}], [{2.97294}], [{2.60673}], [{575.316}]
[{2.75047}], [{2.6709}], [{2.91868}], [{3.05329}], [{686.266}]
[{2.66334}], [{3.40922}], [{2.27387}], [{3.0283}], [{766.909}]
[{2.88987}], [{3.0869}], [{3.37573}], [{3.03526}], [{924.097}]

AE19B101

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.0317251

Matrix Index 1 = 1, Matrix Index 2 = 4

Parameter No. = 1

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
[{-0.113513}], [{0.218784}], [{-0.357136}], [{-0.207101}], [{8.45619}]
[{0.135654}], [{0.134286}], [{-0.140848}], [{-0.270354}], [{9.72393}]
[{0.583462}], [{0.0344476}], [{0.254411}], [{0.106122}], [{12.064}]
[{0.226451}], [{0.985368}], [{0.036158}], [{0.196646}], [{11.7447}]
[{0.482967}], [{-0.0621619}], [{0.646734}], [{0.00314514}], [{13.4842}]
[{0.356318}], [{0.656612}], [{0.996043}], [{0.353544}], [{17.1447}]
[{0.544186}], [{0.955822}], [{0.610866}], [{0.783737}], [{26.4165}]
[{0.474599}], [{1.64401}], [{0.566245}], [{0.465151}], [{41.3865}]
[{0.4023}], [{1.1356}], [{0.737361}], [{1.68799}], [{30.2542}]
[{0.803919}], [{0.812017}], [{1.00653}], [{0.616294}], [{31.1121}]
[{1.12654}], [{1.31648}], [{0.899384}], [{0.527532}], [{57.9864}]
[{0.879178}], [{1.03928}], [{0.702705}], [{0.846356}], [{36.6015}]
[{1.00677}], [{1.35175}], [{1.19291}], [{1.74268}], [{75.0413}]
[{1.08735}], [{1.58649}], [{1.35157}], [{1.49613}], [{99.9578}]
[{2.04867}], [{1.00566}], [{0.918312}], [{0.922114}], [{68.2256}]
[{1.85879}], [{1.07739}], [{1.20335}], [{1.7589}], [{87.9621}]
[{1.48849}], [{1.61193}], [{1.25699}], [{1.0923}], [{109.421}]
[{1.70757}], [{2.34669}], [{2.00627}], [{1.2848}], [{268.95}]
[{1.89611}], [{2.51524}], [{1.56173}], [{1.33367}], [{278.111}]
[{1.31037}], [{2.13116}], [{2.01637}], [{1.52086}], [{209.658}]
[{2.57759}], [{1.92052}], [{2.0263}], [{2.03135}], [{285.969}]
[{2.58186}], [{2.32057}], [{1.72944}], [{1.8369}], [{327.654}]
[{2.52565}], [{2.58427}], [{2.01265}], [{2.52312}], [{438.221}]
[{2.19842}], [{1.86841}], [{3.22203}], [{2.45187}], [{363.259}]
[{2.24809}], [{2.25486}], [{3.83698}], [{1.93261}], [{485.53}]
[{2.79647}], [{2.63129}], [{2.46732}], [{2.57531}], [{543.605}]
[{2.5453}], [{2.4289}], [{1.65143}], [{2.38877}], [{355.419}]
[{2.5708}], [{2.76716}], [{2.93801}], [{2.54124}], [{619.527}]
[{2.9171}], [{3.1001}], [{3.30396}], [{2.58945}], [{850.822}]

[{2.95129}], [{2.42227}], [{2.99764}], [{3.03702}], [{604.286}]

BE18B027

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0141848

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 3

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.600223}], [{ -0.0964751}], [{ -0.00780493}], [{ -0.262041}], [{ 0.475211}]
[{ 0.156982}], [{ -0.22481}], [{ -0.117372}], [{ 0.686461}], [{ 12.0115}]
[{ 0.251679}], [{ 0.205258}], [{ 0.65261}], [{ 0.6682}], [{ 12.7624}]
[{ 0.567828}], [{ 0.649435}], [{ 0.345399}], [{ 0.304263}], [{ 19.1616}]
[{ 0.929206}], [{ 0.663285}], [{ 0.650194}], [{ 0.461581}], [{ 29.696}]
[{ 0.370832}], [{ 0.495848}], [{ 0.853782}], [{ 0.482001}], [{ 17.7271}]
[{ 0.228627}], [{ 0.575393}], [{ 0.42324}], [{ 0.567699}], [{ 14.333}]
[{ 0.315043}], [{ 1.02815}], [{ 1.22191}], [{ 0.917317}], [{ 28.9074}]
[{ 0.707835}], [{ -0.11705}], [{ 0.738715}], [{ 0.678958}], [{ 21.1614}]
[{ 0.68873}], [{ 1.48658}], [{ 0.864755}], [{ 0.604574}], [{ 50.2098}]
[{ 1.07131}], [{ 1.19889}], [{ 0.666588}], [{ 1.08016}], [{ 51.6393}]
[{ 1.21248}], [{ 0.963768}], [{ 1.25706}], [{ 0.299558}], [{ 47.6718}]
[{ 1.54304}], [{ 1.06318}], [{ 1.02065}], [{ 1.0411}], [{ 70.7353}]
[{ 1.58375}], [{ 1.17196}], [{ 1.13456}], [{ 1.45897}], [{ 87.7915}]
[{ 1.62942}], [{ 1.08334}], [{ 0.967311}], [{ 0.997246}], [{ 74.5993}]
[{ 1.65181}], [{ 1.33166}], [{ 1.43985}], [{ 1.15828}], [{ 103.872}]
[{ 1.24603}], [{ 1.85878}], [{ 1.20647}], [{ 1.72733}], [{ 121.921}]
[{ 2.01842}], [{ 1.52168}], [{ 1.39674}], [{ 1.61785}], [{ 150.149}]
[{ 1.91649}], [{ 1.83533}], [{ 1.95264}], [{ 1.71857}], [{ 207.878}]
[{ 2.01881}], [{ 1.91071}], [{ 2.21413}], [{ 1.75191}], [{ 243.313}]
[{ 1.97407}], [{ 1.71413}], [{ 2.15947}], [{ 1.34691}], [{ 193.532}]
[{ 1.69006}], [{ 1.94426}], [{ 1.94763}], [{ 2.42909}], [{ 226.238}]
[{ 2.40513}], [{ 2.19473}], [{ 2.40598}], [{ 2.54111}], [{ 383.587}]
[{ 1.78265}], [{ 2.1061}], [{ 2.18203}], [{ 1.69467}], [{ 246.369}]
[{ 2.32395}], [{ 2.2368}], [{ 2.08677}], [{ 2.64367}], [{ 357.327}]
[{ 2.55887}], [{ 2.6069}], [{ 2.53542}], [{ 1.9365}], [{ 463.022}]
[{ 2.56485}], [{ 2.35143}], [{ 2.37876}], [{ 2.90717}], [{ 455.112}]
[{ 2.9841}], [{ 3.02663}], [{ 2.55928}], [{ 2.5217}], [{ 678.967}]
[{ 3.05086}], [{ 2.81892}], [{ 3.47462}], [{ 2.55987}], [{ 757.72}]
[{ 2.74342}], [{ 3.27564}], [{ 2.86023}], [{ 2.97932}], [{ 789.975}]]

BE18B033

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.047336

Matrix Index 1 = 3, Matrix Index 2 = 5

Parameter No. = 2

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.118758}], [{ -0.0936857}], [{ -0.166403}], [{ -0.108651}], [{ 7.64453}]
[{ 0.48327}], [{ 0.000742576}], [{ 0.1225}], [{ 0.865296}], [{ 17.433}]
[{ 0.660654}], [{ -0.0420412}], [{ -0.107145}], [{ 0.360973}], [{ 18.3551}]
[{ -0.0964411}], [{ 0.0710275}], [{ 0.563257}], [{ -0.299153}], [{ 10.4103}]
[{ 0.754877}], [{ 1.1277}], [{ 0.590323}], [{ -0.0961334}], [{ 38.3973}]
[{ 0.670037}], [{ 0.171557}], [{ 0.111495}], [{ 0.071439}], [{ 18.9857}]
[{ 0.594585}], [{ 0.205291}], [{ 0.583994}], [{ 0.603776}], [{ 19.7055}]]

[{1.19346}], [{0.998257}], [{0.826092}], [{0.568803}], [{53.5265}]
 [{0.716422}], [{1.18228}], [{0.334482}], [{0.839828}], [{35.8071}]
 [{1.38056}], [{0.73511}], [{0.644155}], [{0.556711}], [{44.6024}]
 [{0.869301}], [{0.944089}], [{1.38673}], [{0.964506}], [{58.2854}]
 [{0.961382}], [{0.887228}], [{0.869434}], [{1.2618}], [{49.7787}]
 [{1.61004}], [{1.27503}], [{0.771003}], [{1.34886}], [{91.7383}]
 [{1.28749}], [{1.16384}], [{1.45321}], [{1.38925}], [{96.0671}]
 [{1.27869}], [{1.12146}], [{1.56416}], [{1.32192}], [{95.5602}]
 [{1.76839}], [{1.09139}], [{1.41518}], [{1.35931}], [{110.898}]
 [{1.61968}], [{1.25721}], [{1.55565}], [{1.80408}], [{136.75}]
 [{1.86565}], [{1.20564}], [{2.16976}], [{2.06269}], [{194.136}]
 [{1.85426}], [{2.14108}], [{1.86937}], [{1.67462}], [{287.973}]
 [{2.20472}], [{2.03812}], [{1.98123}], [{2.02615}], [{331.764}]
 [{2.20024}], [{1.74516}], [{2.02754}], [{1.91793}], [{277.617}]
 [{2.08043}], [{2.05857}], [{2.44841}], [{1.97515}], [{363.416}]
 [{2.13258}], [{1.6783}], [{2.22391}], [{1.88023}], [{276.487}]
 [{2.42692}], [{2.45384}], [{2.62483}], [{2.88181}], [{588.116}]
 [{2.35883}], [{2.45057}], [{2.70924}], [{2.44195}], [{554.616}]
 [{2.12384}], [{2.36713}], [{2.88273}], [{2.59112}], [{529.203}]
 [{2.34238}], [{2.47184}], [{2.67709}], [{2.34627}], [{548.655}]
 [{2.81074}], [{2.77818}], [{2.97389}], [{2.64766}], [{794.373}]
 [{2.71472}], [{2.74464}], [{3.24317}], [{2.15946}], [{760.174}]
 [{3.03398}], [{2.90702}], [{2.77487}], [{2.75639}], [{859.365}]

BE19B004

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0366759

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 3

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
 [{0.264029}], [{-0.190795}], [{-0.0377192}], [{0.140398}], [{12.5415}]
 [{0.439923}], [{0.574375}], [{0.270022}], [{-0.340664}], [{13.6952}]
 [{0.117999}], [{0.532672}], [{-0.0971187}], [{0.321071}], [{9.35076}]
 [{0.0796477}], [{0.474088}], [{0.528283}], [{0.280391}], [{10.7285}]
 [{0.862698}], [{0.349374}], [{0.238207}], [{0.385296}], [{18.9869}]
 [{0.63293}], [{0.377723}], [{0.532678}], [{0.711177}], [{20.0428}]
 [{0.641287}], [{0.75695}], [{0.43034}], [{0.445868}], [{23.5577}]
 [{0.587608}], [{1.00349}], [{0.385481}], [{1.03636}], [{27.9126}]
 [{0.331793}], [{0.308769}], [{0.540576}], [{0.676026}], [{14.2072}]
 [{1.06894}], [{0.806321}], [{0.915338}], [{1.16501}], [{42.7823}]
 [{1.15246}], [{0.815866}], [{1.3699}], [{0.750656}], [{49.3062}]
 [{0.896216}], [{0.850376}], [{1.15104}], [{0.996039}], [{42.8817}]
 [{1.29046}], [{1.17323}], [{1.31217}], [{0.994102}], [{73.8169}]
 [{0.982523}], [{1.3254}], [{1.63872}], [{1.44871}], [{89.3446}]
 [{1.81058}], [{1.73745}], [{0.886174}], [{1.14569}], [{122.248}]
 [{1.46511}], [{1.1876}], [{1.12008}], [{1.48994}], [{85.7696}]
 [{1.75666}], [{1.19589}], [{1.83299}], [{1.66865}], [{132.953}]
 [{1.34848}], [{2.07731}], [{2.01849}], [{1.65138}], [{217.514}]
 [{1.7326}], [{1.39796}], [{1.82039}], [{1.73411}], [{151.379}]
 [{1.62357}], [{1.61346}], [{2.24807}], [{2.18453}], [{208.826}]
 [{2.04566}], [{1.68946}], [{1.35865}], [{1.93412}], [{179.369}]
 [{1.97431}], [{1.69493}], [{2.92591}], [{1.48382}], [{260.613}]
 [{2.02082}], [{2.48129}], [{2.24108}], [{2.15041}], [{393.438}]

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[{2.34921}], [{2.91664}], [{2.66089}], [{2.20356}], [{604.511}]
[{2.23754}], [{2.74986}], [{2.3354}], [{2.52962}], [{515.403}]
[{2.65031}], [{2.33548}], [{2.65924}], [{2.19656}], [{484.768}]
[{2.71327}], [{2.65631}], [{2.33407}], [{2.43479}], [{548.153}]
[{1.95884}], [{2.81235}], [{2.53014}], [{3.10576}], [{546.907}]
[{2.28301}], [{2.71817}], [{3.30127}], [{2.49659}], [{646.792}]
[{3.25694}], [{2.64783}], [{2.86759}], [{2.4605}], [{702.74}]
```

BE19B016

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0212792

Matrix Index 1 = 2, Matrix Index 2 = 2

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{{0.0160037}}, {{-0.151897}}, {{0.152789}}, {{0.350602}}, {{10.8876}}]
[{{0.747643}}, {{0.597891}}, {{0.306422}}, {{0.641798}}, {{23.7983}}]
[{{0.565399}}, {{-0.17005}}, {{0.172311}}, {{0.286674}}, {{17.2232}}]
[{{0.271955}}, {{0.876881}}, {{-0.031744}}, {{1.19568}}, {{13.5975}}]
[{{0.749044}}, {{1.0474}}, {{0.0462837}}, {{0.640372}}, {{24.501}}]
[{{0.270842}}, {{0.373617}}, {{0.421803}}, {{0.409659}}, {{12.8974}}]
[{{0.737333}}, {{0.891769}}, {{0.331688}}, {{0.632175}}, {{24.5025}}]
[{{0.632042}}, {{1.32817}}, {{0.683958}}, {{1.16813}}, {{44.1336}}]
[{{0.467539}}, {{1.022}}, {{0.717036}}, {{0.636411}}, {{28.8338}}]
[{{1.27067}}, {{0.709394}}, {{0.937004}}, {{0.386667}}, {{38.4728}}]
[{{0.908997}}, {{1.09255}}, {{1.08869}}, {{1.09471}}, {{53.8488}}]
[{{1.64048}}, {{1.1062}}, {{0.889015}}, {{1.15035}}, {{71.8122}}]
[{{1.10498}}, {{1.29218}}, {{1.29036}}, {{1.32231}}, {{80.0529}}]
[{{0.970541}}, {{1.34971}}, {{0.986378}}, {{1.05312}}, {{65.6994}}]
[{{1.50364}}, {{1.12861}}, {{0.835289}}, {{1.2373}}, {{68.4389}}]
[{{1.12854}}, {{1.75247}}, {{1.45224}}, {{1.24358}}, {{120.42}}]
[{{1.56561}}, {{1.87006}}, {{1.20733}}, {{1.38607}}, {{142.084}}]
[{{1.82765}}, {{1.72284}}, {{1.4228}}, {{1.84934}}, {{166.337}}]
[{{2.08403}}, {{1.76198}}, {{2.56535}}, {{1.43462}}, {{249.179}}]
[{{1.92516}}, {{2.62332}}, {{1.62765}}, {{2.07965}}, {{323.466}}]
[{{1.89044}}, {{1.98722}}, {{2.30649}}, {{2.15925}}, {{283.751}}]
[{{2.12233}}, {{2.19296}}, {{2.21018}}, {{1.91444}}, {{320.815}}]
[{{1.58899}}, {{2.31552}}, {{2.35361}}, {{2.53975}}, {{331.981}}]
[{{2.41336}}, {{2.57488}}, {{1.79147}}, {{2.02448}}, {{378.72}}]
[{{2.03691}}, {{2.27565}}, {{2.61242}}, {{2.3723}}, {{391.691}}]
[{{2.75764}}, {{1.93069}}, {{2.15783}}, {{2.95569}}, {{379.081}}]
[{{2.9903}}, {{2.16004}}, {{2.48344}}, {{2.89456}}, {{489.786}}]
[{{2.60591}}, {{3.57312}}, {{2.68633}}, {{2.32415}}, {{847.67}}]
[{{3.21344}}, {{2.97777}}, {{2.68541}}, {{2.39177}}, {{735.618}}]
[{{2.88281}}, {{2.8141}}, {{3.23632}}, {{3.38854}}, {{817.862}}]
```

BE19B028

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0148021

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{{0.0622228}}, {{-0.16038}}, {{-0.254299}}, {{0.0253296}}, {{10.8729}}]
```

```

[{\{0.334876\}}, {\{-0.391316\}}, {\{-0.427226\}}, {\{0.598368\}}, {\{12.1701\}}]
[{\{0.423539\}}, {\{-0.0536745\}}, {\{-0.167321\}}, {\{0.570871\}}, {\{15.1461\}}]
[{\{0.534675\}}, {\{0.468611\}}, {\{0.767685\}}, {\{0.24766\}}, {\{19.2242\}}]
[{\{0.907202\}}, {\{0.055815\}}, {\{0.0135978\}}, {\{0.414444\}}, {\{18.5744\}}]
[{\{0.489057\}}, {\{0.923463\}}, {\{0.678502\}}, {\{0.814015\}}, {\{28.6654\}}]
[{\{0.724909\}}, {\{0.245126\}}, {\{0.271508\}}, {\{0.419434\}}, {\{17.7804\}}]
[{\{1.01907\}}, {\{0.922364\}}, {\{0.722294\}}, {\{0.759855\}}, {\{42.6394\}}]
[{\{0.156362\}}, {\{0.96288\}}, {\{0.604695\}}, {\{0.355628\}}, {\{21.2224\}}]
[{\{0.476479\}}, {\{0.157616\}}, {\{0.958545\}}, {\{1.13788\}}, {\{21.6384\}}]
[{\{1.06841\}}, {\{0.446454\}}, {\{0.653625\}}, {\{1.04322\}}, {\{34.8032\}}]
[{\{1.10698\}}, {\{0.233754\}}, {\{1.33074\}}, {\{0.729275\}}, {\{33.6443\}}]
[{\{1.08273\}}, {\{0.842961\}}, {\{1.07739\}}, {\{1.15663\}}, {\{52.2276\}}]
[{\{1.05982\}}, {\{1.91151\}}, {\{1.37772\}}, {\{1.24656\}}, {\{145.419\}}]
[{\{1.4794\}}, {\{1.54358\}}, {\{1.89713\}}, {\{1.62917\}}, {\{167.791\}}]
[{\{1.87374\}}, {\{1.76793\}}, {\{2.35228\}}, {\{1.08406\}}, {\{233.903\}}]
[{\{1.73536\}}, {\{1.46105\}}, {\{2.10683\}}, {\{1.34186\}}, {\{172.381\}}]
[{\{1.43737\}}, {\{1.49313\}}, {\{2.54169\}}, {\{1.36477\}}, {\{179.943\}}]
[{\{2.05329\}}, {\{2.13346\}}, {\{2.0177\}}, {\{1.13901\}}, {\{299.201\}}]
[{\{2.14979\}}, {\{1.482\}}, {\{1.95356\}}, {\{1.77392\}}, {\{213.648\}}]
[{\{1.76181\}}, {\{2.2113\}}, {\{1.87758\}}, {\{2.19374\}}, {\{312.253\}}]
[{\{1.70229\}}, {\{2.08983\}}, {\{2.14116\}}, {\{2.45346\}}, {\{316.641\}}]
[{\{2.03832\}}, {\{2.08243\}}, {\{2.55023\}}, {\{1.97092\}}, {\{369.502\}}]
[{\{2.27983\}}, {\{2.39035\}}, {\{2.49158\}}, {\{1.96305\}}, {\{468.965\}}]
[{\{2.87013\}}, {\{2.44112\}}, {\{2.61241\}}, {\{2.27056\}}, {\{598.597\}}]
[{\{2.29106\}}, {\{2.94105\}}, {\{2.98481\}}, {\{2.06912\}}, {\{717.142\}}]
[{\{3.24258\}}, {\{2.33632\}}, {\{2.81225\}}, {\{2.37475\}}, {\{654.775\}}]
[{\{2.84553\}}, {\{2.43788\}}, {\{2.60708\}}, {\{3.02554\}}, {\{651.153\}}]
[{\{2.58056\}}, {\{3.07796\}}, {\{2.47044\}}, {\{3.01199\}}, {\{800.351\}}]
[{\{2.82461\}}, {\{2.71032\}}, {\{2.78682\}}, {\{2.8758\}}, {\{756.524\}}]

```

BE19B033

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0186766

Matrix Index 1 = 2, Matrix Index 2 = 2

Parameter No. = 5

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{0.489488\}}, {\{-0.139285\}}, {\{0.163162\}}, {\{-0.216159\}}, {\{18.329\}}]
[{\{0.743684\}}, {\{0.28302\}}, {\{-0.0617032\}}, {\{-0.0278385\}}, {\{19.695\}}]
[{\{0.275134\}}, {\{0.21257\}}, {\{0.159132\}}, {\{0.0979536\}}, {\{16.864\}}]
[{\{0.176606\}}, {\{0.226068\}}, {\{-0.092747\}}, {\{0.449997\}}, {\{14.2456\}}]
[{\{0.357093\}}, {\{1.0676\}}, {\{0.335608\}}, {\{1.02849\}}, {\{28.0117\}}]
[{\{0.212338\}}, {\{-0.223194\}}, {\{0.472207\}}, {\{0.695613\}}, {\{14.6644\}}]
[{\{1.05779\}}, {\{1.16126\}}, {\{0.55386\}}, {\{1.12221\}}, {\{55.0517\}}]
[{\{0.799678\}}, {\{0.200185\}}, {\{0.380733\}}, {\{0.83756\}}, {\{24.0353\}}]
[{\{0.111857\}}, {\{0.717842\}}, {\{1.03044\}}, {\{1.284\}}, {\{19.8637\}}]
[{\{0.466045\}}, {\{0.713493\}}, {\{0.613076\}}, {\{1.11253\}}, {\{26.1716\}}]
[{\{1.60706\}}, {\{1.05238\}}, {\{1.62827\}}, {\{1.1464\}}, {\{103.883\}}]
[{\{1.77046\}}, {\{1.32261\}}, {\{1.23551\}}, {\{0.991961\}}, {\{118.943\}}]
[{\{1.37042\}}, {\{1.02235\}}, {\{1.26905\}}, {\{1.24946\}}, {\{81.6756\}}]
[{\{1.02226\}}, {\{1.33212\}}, {\{1.37111\}}, {\{1.30908\}}, {\{90.3861\}}]
[{\{1.80397\}}, {\{1.53451\}}, {\{1.22946\}}, {\{1.80903\}}, {\{159.516\}}]
[{\{1.34296\}}, {\{2.37203\}}, {\{1.31416\}}, {\{1.23915\}}, {\{225.088\}}]
[{\{1.88957\}}, {\{1.6104\}}, {\{2.16834\}}, {\{1.3458\}}, {\{212.614\}}]

```

```
[{1.97046}], [{1.5255}], [{1.79635}], [{1.80204}], [{204.709}]
[{1.73701}], [{2.31851}], [{1.3609}], [{1.30876}], [{261.048}]
[{1.70814}], [{2.39547}], [{2.04837}], [{1.83666}], [{348.608}]
[{2.37694}], [{2.0548}], [{1.25628}], [{1.97412}], [{286.73}]
[{1.93681}], [{2.37256}], [{2.51611}], [{1.85793}], [{419.127}]
[{2.30719}], [{2.44468}], [{2.07758}], [{2.56078}], [{477.261}]
[{2.17207}], [{2.55725}], [{1.93819}], [{2.02906}], [{443.385}]
[{1.73105}], [{2.64381}], [{2.44737}], [{2.08987}], [{460.25}]
[{2.79843}], [{2.51372}], [{2.81794}], [{1.70523}], [{603.212}]
[{2.92741}], [{2.53855}], [{1.85423}], [{2.62186}], [{567.222}]
[{2.33305}], [{2.65527}], [{3.11746}], [{2.52522}], [{676.604}]
[{2.96517}], [{2.786}], [{2.70574}], [{3.27673}], [{846.231}]
[{3.21568}], [{2.85702}], [{2.91613}], [{2.56713}], [{895.87}]
```

BE19B036

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0227858

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 3

```
[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[0.298038], [{0.174613}], [{0.351592}], [{-0.177355}], [{12.1803}]
[{0.114394}], [{0.115577}], [{-0.0837222}], [{0.479893}], [{10.5012}]
[{0.21512}], [{0.381583}], [{0.494583}], [{0.536097}], [{12.1808}]
[{0.109895}], [{0.203937}], [{0.259693}], [{0.0928148}], [{12.5928}]
[{0.275406}], [{0.389601}], [{0.998868}], [{0.658227}], [{15.2421}]
[{0.0912736}], [{0.101326}], [{1.02988}], [{0.520604}], [{10.7124}]
[{0.269741}], [{0.36706}], [{0.525883}], [{0.530898}], [{14.325}]
[{0.738934}], [{0.773044}], [{1.36753}], [{0.277514}], [{34.2395}]
[{0.858168}], [{0.65706}], [{0.859512}], [{0.485713}], [{29.3473}]
[{1.2657}], [{0.815074}], [{0.694597}], [{1.16048}], [{43.7094}]
[{0.854778}], [{0.98438}], [{1.39621}], [{1.34404}], [{54.3979}]
[{0.856131}], [{1.14709}], [{1.17616}], [{0.743688}], [{53.1048}]
[{1.09683}], [{1.15517}], [{1.40488}], [{0.932781}], [{66.9276}]
[{1.46358}], [{0.685689}], [{1.23934}], [{1.08168}], [{50.529}]
[{1.96531}], [{1.75799}], [{0.995648}], [{1.55695}], [{148.2}]
[{1.82097}], [{1.88421}], [{1.15944}], [{1.7284}], [{166.315}]
[{0.672481}], [{1.2482}], [{1.68004}], [{1.13452}], [{64.7597}]
[{1.55099}], [{2.20781}], [{1.36948}], [{1.68671}], [{202.627}]
[{1.73758}], [{1.42638}], [{1.61565}], [{1.71814}], [{134.267}]
[{1.86308}], [{2.00024}], [{1.08558}], [{2.3738}], [{187.862}]
[{1.79662}], [{1.84634}], [{2.06927}], [{2.43163}], [{231.988}]
[{1.78913}], [{1.97334}], [{2.02511}], [{2.14611}], [{241.395}]
[{1.84558}], [{2.18627}], [{1.62301}], [{2.27366}], [{253.128}]
[{2.51882}], [{1.83102}], [{2.09602}], [{2.42784}], [{290.364}]
[{2.72738}], [{2.92287}], [{2.38709}], [{1.80064}], [{581.339}]
[{1.76737}], [{2.7435}], [{2.47933}], [{2.4546}], [{442.506}]
[{2.64315}], [{2.52241}], [{2.48448}], [{2.53555}], [{500.274}]
[{2.68729}], [{2.59301}], [{2.30309}], [{2.75805}], [{513.392}]
[{2.40197}], [{2.57021}], [{2.71161}], [{2.85093}], [{526.417}]
[{3.25996}], [{3.32692}], [{3.45213}], [{3.07961}], [{1074.17}]
```

BE19B037

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0153594
Matrix Index 1 = 5, Matrix Index 2 = 3
Parameter No. = 3

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.0738661}}, {{0.211936}}, {{-0.171892}}, {{0.56328}}, {{12.5719}}
[{{0.135969}}, {{0.204016}}, {{0.0339252}}, {{0.250535}}, {{12.8694}}
[{{0.49636}}, {{0.731563}}, {{0.198291}}, {{0.177145}}, {{19.9128}}
[{{0.805164}}, {{0.569955}}, {{0.00363076}}, {{0.319834}}, {{22.0995}}
[{{0.410386}}, {{0.918499}}, {{0.284164}}, {{0.0487871}}, {{21.084}}
[{{0.562382}}, {{1.17491}}, {{0.323725}}, {{0.95587}}, {{30.8242}}
[{{0.682244}}, {{0.634868}}, {{0.140169}}, {{0.68809}}, {{22.7214}}
[{{0.734878}}, {{0.163899}}, {{0.791558}}, {{0.491204}}, {{22.1837}}
[{{0.693606}}, {{0.503051}}, {{0.782704}}, {{0.814353}}, {{26.2655}}
[{{0.547501}}, {{0.681353}}, {{0.834021}}, {{1.02545}}, {{29.3136}}
[{{1.04926}}, {{0.825885}}, {{0.710785}}, {{1.78628}}, {{49.1195}}
[{{1.10018}}, {{0.900194}}, {{1.06905}}, {{0.898396}}, {{51.5831}}
[{{1.50506}}, {{0.665821}}, {{1.76614}}, {{0.751499}}, {{63.7141}}
[{{1.12458}}, {{1.5854}}, {{1.45633}}, {{1.07278}}, {{104.212}}
[{{1.47029}}, {{1.47589}}, {{1.13588}}, {{1.58865}}, {{108.271}}
[{{1.59102}}, {{1.57467}}, {{1.09584}}, {{1.93169}}, {{126.649}}
[{{1.77864}}, {{1.53279}}, {{1.64545}}, {{1.96706}}, {{170.539}}
[{{1.96102}}, {{1.76253}}, {{1.89954}}, {{2.06995}}, {{228.365}}
[{{1.85661}}, {{1.46149}}, {{2.43472}}, {{1.86027}}, {{211.792}}
[{{1.37929}}, {{2.07621}}, {{2.00304}}, {{1.89786}}, {{219.194}}
[{{2.2142}}, {{1.96202}}, {{1.87305}}, {{1.57123}}, {{250.99}}
[{{2.36686}}, {{2.15167}}, {{1.94698}}, {{1.92383}}, {{316.826}}
[{{2.19662}}, {{2.40651}}, {{1.75969}}, {{2.1705}}, {{336.862}}
[{{2.67331}}, {{2.53595}}, {{1.80235}}, {{2.62789}}, {{442.622}}
[{{2.5572}}, {{2.64014}}, {{2.35889}}, {{2.72959}}, {{534.328}}
[{{2.90664}}, {{2.72745}}, {{2.46914}}, {{2.52657}}, {{608.712}}
[{{2.19156}}, {{2.51638}}, {{2.79689}}, {{2.32755}}, {{485.762}}
[{{2.70697}}, {{2.38036}}, {{2.94452}}, {{2.97207}}, {{601.361}}
[{{3.48005}}, {{2.36567}}, {{2.94177}}, {{2.98869}}, {{720.656}}
[{{3.07747}}, {{2.70809}}, {{3.02568}}, {{3.02261}}, {{770.045}}]
```

BE19B038

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0421181
Matrix Index 1 = 4, Matrix Index 2 = 4
Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.0649436}}, {{0.295846}}, {{0.119884}}, {{0.172711}}, {{9.96848}}
[{{-0.0498908}}, {{-0.634928}}, {{0.418082}}, {{-0.287954}}, {{9.01026}}
[{{0.145438}}, {{0.184347}}, {{-0.736954}}, {{0.292125}}, {{10.3019}}
[{{0.483892}}, {{0.691547}}, {{0.497499}}, {{0.402902}}, {{21.7373}}
[{{0.0292855}}, {{0.229386}}, {{0.00399775}}, {{0.403017}}, {{7.68558}}
[{{0.476581}}, {{0.0476947}}, {{0.830889}}, {{0.396123}}, {{16.1129}}
[{{0.492824}}, {{0.36881}}, {{0.613515}}, {{0.620826}}, {{18.7968}}
[{{0.916187}}, {{0.96659}}, {{1.10297}}, {{0.938066}}, {{48.5987}}
[{{0.631867}}, {{0.571442}}, {{1.1679}}, {{1.28171}}, {{32.1895}}
[{{1.09564}}, {{0.575969}}, {{0.210334}}, {{1.18837}}, {{28.7278}}
[{{0.89271}}, {{1.24592}}, {{0.982783}}, {{0.905946}}, {{55.0192}}]
```

```

[ { 0.888117 } ], [ { 1.40578 } ], [ { 0.967914 } ], [ { 0.758518 } ], [ { 61.0665 } ]
[ { 1.33312 } ], [ { 0.826815 } ], [ { 1.35127 } ], [ { 0.900906 } ], [ { 61.4188 } ]
[ { 1.65769 } ], [ { 1.0476 } ], [ { 1.46764 } ], [ { 1.49695 } ], [ { 100.242 } ]
[ { 0.773987 } ], [ { 1.38745 } ], [ { 1.743 } ], [ { 1.61207 } ], [ { 87.7265 } ]
[ { 1.19726 } ], [ { 1.28875 } ], [ { 1.8971 } ], [ { 1.64163 } ], [ { 110.315 } ]
[ { 1.65175 } ], [ { 1.54262 } ], [ { 1.48289 } ], [ { 1.91891 } ], [ { 150.908 } ]
[ { 1.74983 } ], [ { 1.49039 } ], [ { 1.49464 } ], [ { 2.38198 } ], [ { 168.111 } ]
[ { 1.46233 } ], [ { 1.51005 } ], [ { 2.17139 } ], [ { 1.83987 } ], [ { 166.895 } ]
[ { 1.98689 } ], [ { 1.99242 } ], [ { 2.22155 } ], [ { 1.75092 } ], [ { 276.878 } ]
[ { 1.83244 } ], [ { 2.02741 } ], [ { 2.04319 } ], [ { 1.92962 } ], [ { 261.457 } ]
[ { 2.27191 } ], [ { 2.39536 } ], [ { 2.12291 } ], [ { 2.35574 } ], [ { 405.087 } ]
[ { 1.36799 } ], [ { 1.94721 } ], [ { 2.05913 } ], [ { 2.69381 } ], [ { 228.822 } ]
[ { 2.36762 } ], [ { 2.25417 } ], [ { 1.85724 } ], [ { 2.71391 } ], [ { 380.099 } ]
[ { 3.00832 } ], [ { 2.30092 } ], [ { 2.07339 } ], [ { 2.5619 } ], [ { 487.724 } ]
[ { 2.40648 } ], [ { 2.32199 } ], [ { 2.32502 } ], [ { 2.75545 } ], [ { 452.912 } ]
[ { 2.05652 } ], [ { 2.63376 } ], [ { 2.6806 } ], [ { 3.02017 } ], [ { 527.931 } ]
[ { 3.42178 } ], [ { 2.91802 } ], [ { 2.81189 } ], [ { 3.04158 } ], [ { 892.145 } ]
[ { 3.17504 } ], [ { 2.0325 } ], [ { 2.37778 } ], [ { 2.64024 } ], [ { 488.572 } ]
[ { 2.83437 } ], [ { 3.14004 } ], [ { 3.28821 } ], [ { 2.78222 } ], [ { 905.868 } ]

```

BE20B010

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0405568

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 4

```

[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[ { -0.149659 } ], [ { 0.0368479 } ], [ { -0.387246 } ], [ { -0.0554782 } ], [ { 8.93024 } ]
[ { -0.121858 } ], [ { 0.146324 } ], [ { -0.0486508 } ], [ { -0.278753 } ], [ { 10.054 } ]
[ { 0.204013 } ], [ { 1.0816 } ], [ { 0.727501 } ], [ { 0.258665 } ], [ { 27.512 } ]
[ { 0.301261 } ], [ { 0.184361 } ], [ { 0.240223 } ], [ { 0.646547 } ], [ { 14.097 } ]
[ { 0.740236 } ], [ { 0.0613391 } ], [ { 0.343734 } ], [ { 0.371149 } ], [ { 19.6384 } ]
[ { 0.0112766 } ], [ { 0.998344 } ], [ { 0.368038 } ], [ { 0.842727 } ], [ { 16.5821 } ]
[ { 0.591051 } ], [ { 0.969236 } ], [ { 0.841405 } ], [ { 0.615591 } ], [ { 34.0924 } ]
[ { 0.622916 } ], [ { 0.0888388 } ], [ { 0.38328 } ], [ { 0.774162 } ], [ { 17.7647 } ]
[ { 0.880189 } ], [ { 0.471055 } ], [ { 1.24691 } ], [ { 0.578553 } ], [ { 30.0519 } ]
[ { 1.1438 } ], [ { 0.546633 } ], [ { 0.854486 } ], [ { 1.14875 } ], [ { 39.9679 } ]
[ { 0.949509 } ], [ { 1.10582 } ], [ { 1.32696 } ], [ { 0.970851 } ], [ { 59.4998 } ]
[ { 1.31307 } ], [ { 0.986421 } ], [ { 1.22851 } ], [ { 1.29896 } ], [ { 71.252 } ]
[ { 1.30994 } ], [ { 0.997426 } ], [ { 1.15956 } ], [ { 0.898366 } ], [ { 61.7442 } ]
[ { 1.8138 } ], [ { 1.55082 } ], [ { 1.80638 } ], [ { 1.43199 } ], [ { 165.341 } ]
[ { 1.77888 } ], [ { 1.25627 } ], [ { 1.82392 } ], [ { 1.79409 } ], [ { 144.125 } ]
[ { 1.75353 } ], [ { 1.71087 } ], [ { 2.0736 } ], [ { 2.00348 } ], [ { 215.452 } ]
[ { 1.67705 } ], [ { 1.96923 } ], [ { 1.43092 } ], [ { 1.98847 } ], [ { 199.193 } ]
[ { 1.5996 } ], [ { 2.06348 } ], [ { 1.66272 } ], [ { 1.79335 } ], [ { 218.06 } ]
[ { 1.30988 } ], [ { 1.65401 } ], [ { 1.48948 } ], [ { 1.99125 } ], [ { 142.935 } ]
[ { 1.69299 } ], [ { 1.44021 } ], [ { 1.98804 } ], [ { 1.90853 } ], [ { 171.227 } ]
[ { 1.54345 } ], [ { 2.0641 } ], [ { 2.15384 } ], [ { 1.68046 } ], [ { 247.598 } ]
[ { 1.20473 } ], [ { 2.35165 } ], [ { 1.74782 } ], [ { 2.4947 } ], [ { 251.17 } ]
[ { 1.97075 } ], [ { 1.72915 } ], [ { 2.37312 } ], [ { 2.21183 } ], [ { 267.291 } ]
[ { 1.99445 } ], [ { 2.22316 } ], [ { 2.36633 } ], [ { 2.28793 } ], [ { 365.193 } ]
[ { 2.78636 } ], [ { 2.07853 } ], [ { 2.21799 } ], [ { 2.41287 } ], [ { 407.254 } ]
[ { 2.41855 } ], [ { 2.6294 } ], [ { 2.41583 } ], [ { 2.62936 } ], [ { 534.629 } ]
[ { 2.72822 } ], [ { 2.65398 } ], [ { 3.27525 } ], [ { 2.04707 } ], [ { 665.676 } ]

```

```
[{2.71936}], [{2.94018}], [{2.34568}], [{2.34834}], [{641.354}]
[{2.49614}], [{3.23637}], [{2.9899}], [{3.00142}], [{864.386}]
[{2.99056}], [{3.47286}], [{3.62348}], [{3.23158}], [{1230.76}]
```

BE20B012

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0203446

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 3

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.0936142}], [{-0.112464}], [{-0.330245}], [{0.138439}], [{6.73427}]
[{-0.245253}], [{-0.491595}], [{0.107364}], [{0.0969031}], [{2.9683}]
[{-0.0109657}], [{0.121324}], [{-0.0980198}], [{0.265313}], [{8.01547}]
[{-0.198927}], [{0.333474}], [{0.650382}], [{-0.0596475}], [{5.94728}]
[{0.352978}], [{0.635222}], [{-0.423304}], [{0.0668662}], [{11.8436}]
[{1.05457}], [{1.05269}], [{0.507769}], [{0.734703}], [{39.0921}]
[{0.525471}], [{0.203948}], [{0.385862}], [{0.387145}], [{12.3625}]
[{1.09114}], [{0.253696}], [{1.30692}], [{0.386188}], [{27.1109}]
[{1.37203}], [{0.0817588}], [{1.5752}], [{1.12412}], [{45.6149}]
[{0.61371}], [{0.943534}], [{1.09728}], [{0.803088}], [{32.1129}]
[{0.645125}], [{1.47701}], [{1.31076}], [{0.694908}], [{56.6956}]
[{1.54303}], [{0.719992}], [{0.446245}], [{1.11616}], [{42.9019}]
[{1.40849}], [{1.37222}], [{1.5387}], [{1.1703}], [{96.8223}]
[{0.963864}], [{0.819518}], [{0.854752}], [{0.756677}], [{35.79}]
[{1.11119}], [{1.72449}], [{1.29482}], [{1.60998}], [{107.848}]
[{1.72257}], [{1.80242}], [{1.32641}], [{0.973728}], [{144.653}]
[{1.8491}], [{1.68925}], [{1.7376}], [{1.61484}], [{171.312}]
[{1.19945}], [{2.79032}], [{1.42691}], [{1.91291}], [{239.86}]
[{1.90867}], [{1.45565}], [{2.09242}], [{2.09897}], [{185.367}]
[{1.70489}], [{1.38332}], [{1.68237}], [{2.74096}], [{159.11}]
[{2.32262}], [{1.83775}], [{2.04492}], [{2.40501}], [{281.639}]
[{1.93761}], [{1.98321}], [{2.07394}], [{2.30925}], [{261.063}]
[{2.26194}], [{2.35206}], [{2.23521}], [{1.75279}], [{349.777}]
[{2.16258}], [{1.81844}], [{2.59776}], [{2.82853}], [{322.99}]
[{2.4595}], [{2.45832}], [{3.10823}], [{2.70365}], [{534.263}]
[{2.74859}], [{2.91223}], [{2.7414}], [{2.73807}], [{669.105}]
[{2.42364}], [{2.74648}], [{2.27273}], [{2.22434}], [{486.509}]
[{2.79475}], [{2.28589}], [{2.60108}], [{2.79078}], [{493.828}]
[{2.80238}], [{2.91596}], [{2.57106}], [{2.47787}], [{638.497}]
[{3.68881}], [{2.88138}], [{2.99355}], [{2.94514}], [{886.954}]]
```

BE20B018

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0330363

Matrix Index 1 = 1, Matrix Index 2 = 2

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{0.0635783}], [{-0.0474822}], [{-0.563383}], [{-0.283216}], [{12.9597}]
[{0.483798}], [{0.439831}], [{0.28151}], [{0.398405}], [{18.1252}]
[{-0.160067}], [{0.195804}], [{0.0450629}], [{0.660803}], [{9.43274}]
[{0.00961686}], [{0.501349}], [{-0.258492}], [{0.281215}], [{10.3909}]
[{0.513645}], [{-0.0502539}], [{0.254534}], [{-0.0639506}], [{15.8691}]]
```

[{0.712407}], [{1.18373}], [{0.746291}], [{0.105332}], [{42.5716}]
[{0.791989}], [{0.930764}], [{0.960064}], [{0.0997836}], [{35.9335}]
[{0.655829}], [{0.52825}], [{0.741274}], [{0.549562}], [{24.5676}]
[{0.685191}], [{1.430448}], [{0.909734}], [{0.705139}], [{58.1662}]
[{1.06873}], [{0.920277}], [{0.891418}], [{0.672043}], [{45.2129}]
[{1.03361}], [{1.25095}], [{1.21963}], [{0.748292}], [{68.5539}]
[{1.37691}], [{1.31337}], [{1.13668}], [{1.52503}], [{93.9692}]
[{1.2367}], [{0.93362}], [{0.966159}], [{0.895139}], [{54.39}]
[{1.21869}], [{1.8327}], [{1.30167}], [{1.81165}], [{140.571}]
[{1.46027}], [{1.39883}], [{1.45022}], [{0.819235}], [{103.843}]
[{1.69006}], [{1.51572}], [{1.14148}], [{1.39642}], [{121.243}]
[{1.16107}], [{1.25404}], [{2.00024}], [{2.06924}], [{123.188}]
[{1.87157}], [{1.74621}], [{2.43051}], [{1.37606}], [{230.643}]
[{1.47969}], [{1.71774}], [{1.93273}], [{2.24601}], [{197.687}]
[{1.32135}], [{2.10278}], [{2.06274}], [{1.67336}], [{231.391}]
[{1.88698}], [{1.42099}], [{2.16398}], [{1.78354}], [{186.547}]
[{1.98238}], [{2.34099}], [{2.13791}], [{2.15962}], [{360.393}]
[{2.50341}], [{2.40458}], [{2.20726}], [{2.41043}], [{452.154}]
[{2.84499}], [{1.94626}], [{2.54376}], [{2.14918}], [{403.643}]
[{2.59565}], [{2.35308}], [{2.6814}], [{2.51906}], [{517.273}]
[{2.06969}], [{2.45822}], [{2.74204}], [{2.20452}], [{463.807}]
[{2.82169}], [{2.78244}], [{2.74281}], [{2.23691}], [{664.577}]
[{3.14236}], [{2.52299}], [{3.01205}], [{2.74981}], [{708.532}]
[{2.92542}], [{3.20522}], [{2.58686}], [{2.95328}], [{855.556}]
[{2.75292}], [{2.89279}], [{3.08325}], [{3.40326}], [{837.626}]

BE20B022

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0340426

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 1

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{-0.41119}], [{0.183222}], [{0.101725}], [{0.128255}], [{4.20951}]
[{0.251751}], [{0.441025}], [{0.283536}], [{0.430164}], [{11.6515}]
[{-0.154054}], [{0.242904}], [{0.569136}], [{0.155555}], [{5.57679}]
[{0.890943}], [{0.738938}], [{0.394879}], [{0.21255}], [{17.26}]
[{0.262555}], [{0.658394}], [{0.722277}], [{0.339522}], [{14.6219}]
[{0.837195}], [{0.545016}], [{0.59628}], [{0.456014}], [{21.6118}]
[{0.369804}], [{0.530736}], [{0.458779}], [{0.412547}], [{13.2798}]
[{0.534953}], [{0.929414}], [{0.304345}], [{1.11918}], [{23.3334}]
[{1.16161}], [{0.697025}], [{0.830171}], [{0.93072}], [{40.849}]
[{1.06928}], [{0.125404}], [{0.937401}], [{1.03059}], [{28.7378}]
[{1.11019}], [{0.745175}], [{1.18373}], [{1.05084}], [{49.2681}]
[{1.18032}], [{0.61388}], [{0.713482}], [{0.778596}], [{33.8793}]
[{1.22303}], [{0.955248}], [{1.39681}], [{1.48276}], [{74.4724}]
[{1.1068}], [{1.58192}], [{1.18101}], [{1.29222}], [{100.75}]
[{1.49784}], [{1.48274}], [{1.02426}], [{1.84107}], [{116.588}]
[{1.92121}], [{1.86031}], [{1.46469}], [{1.63392}], [{210.391}]
[{2.07095}], [{1.27042}], [{1.34655}], [{1.57449}], [{140.374}]
[{1.35675}], [{1.30931}], [{1.52353}], [{1.68155}], [{114.383}]
[{2.21058}], [{1.67572}], [{2.18158}], [{2.04181}], [{284.037}]
[{2.00331}], [{1.68254}], [{2.02587}], [{2.15587}], [{257.155}]
[{1.94078}], [{2.16532}], [{1.72456}], [{2.13794}], [{302.779}]]

[{1.80234}], [{1.75197}], [{2.00852}], [{1.99496}], [{240.862}]
[{1.91503}], [{1.92}], [{2.65399}], [{2.51994}], [{365.966}]
[{1.83389}], [{2.61109}], [{2.24404}], [{2.22688}], [{443.279}]
[{2.22871}], [{2.09049}], [{2.32487}], [{2.40463}], [{399.193}]
[{2.35338}], [{2.52789}], [{2.3781}], [{2.30455}], [{522.421}]
[{2.56318}], [{2.86698}], [{3.07078}], [{2.77469}], [{810.497}]
[{2.99345}], [{3.05946}], [{3.02169}], [{2.5846}], [{944.587}]
[{3.05721}], [{2.85407}], [{2.84886}], [{2.55688}], [{842.578}]
[{2.92841}], [{2.62933}], [{3.22683}], [{3.42072}], [{897.401}]

BE20B024

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0370921

Matrix Index 1 = 2, Matrix Index 2 = 4

Parameter No. = 4

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{0.251225}], [{-0.0405031}], [{-0.175252}], [{0.36676}], [{14.7731}]
[{-0.25884}], [{-0.188037}], [{-0.149988}], [{0.141344}], [{9.28233}]
[{0.776706}], [{-0.0343291}], [{0.266902}], [{0.351344}], [{19.5998}]
[{-0.300795}], [{-0.541549}], [{0.495991}], [{0.652412}], [{8.70288}]
[{0.682014}], [{0.0926552}], [{0.575657}], [{0.357395}], [{19.8093}]
[{0.397655}], [{0.809898}], [{0.541161}], [{0.0298619}], [{21.1638}]
[{0.769203}], [{0.505324}], [{0.290683}], [{0.373318}], [{24.9684}]
[{1.12589}], [{0.54067}], [{0.709842}], [{0.352249}], [{34.3105}]
[{0.88737}], [{1.17367}], [{0.400009}], [{0.952879}], [{46.0866}]
[{1.07597}], [{0.721732}], [{0.650112}], [{0.612956}], [{37.9655}]
[{0.901206}], [{1.30971}], [{1.00952}], [{0.97441}], [{66.6221}]
[{1.38095}], [{1.11806}], [{0.582365}], [{1.02459}], [{64.0568}]
[{0.842802}], [{1.34896}], [{1.09693}], [{1.02261}], [{69.5524}]
[{1.24193}], [{1.49314}], [{1.10431}], [{0.777693}], [{90.3746}]
[{2.14471}], [{1.5941}], [{1.85886}], [{1.0258}], [{183.512}]
[{1.13989}], [{1.45259}], [{1.35093}], [{1.15977}], [{97.7269}]
[{1.77229}], [{1.92486}], [{1.09744}], [{1.65659}], [{180.835}]
[{1.71925}], [{1.60721}], [{1.76213}], [{1.57661}], [{172.38}]
[{1.82501}], [{2.35438}], [{1.6251}], [{1.77763}], [{291.742}]
[{2.19333}], [{2.07995}], [{2.02297}], [{1.69774}], [{306.5}]
[{2.25191}], [{2.0571}], [{1.7321}], [{1.94307}], [{293.741}]
[{1.16778}], [{2.04901}], [{2.53668}], [{2.29538}], [{249.246}]
[{2.25358}], [{2.62799}], [{2.26574}], [{2.408}], [{490.644}]
[{2.84317}], [{2.16816}], [{1.7665}], [{2.2622}], [{389.834}]
[{2.81149}], [{2.03609}], [{2.22909}], [{2.21635}], [{400.316}]
[{2.51054}], [{2.32392}], [{2.75452}], [{2.57405}], [{511.64}]
[{2.5386}], [{2.5602}], [{2.9887}], [{2.58911}], [{610.926}]
[{2.56929}], [{2.54604}], [{2.51239}], [{3.34707}], [{595.696}]
[{2.73317}], [{2.94458}], [{3.29599}], [{3.10093}], [{864.43}]
[{2.77144}], [{2.4138}], [{2.95437}], [{2.86561}], [{620.436}]

BE20B026

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0260466

Matrix Index 1 = 2, Matrix Index 2 = 2

Parameter No. = 3

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.0364907}], [{0.0915978}], [{0.0529104}], [{0.0025177}], [{8.36018}]
[{0.451595}], [{-0.21166}], [{0.331892}], [{0.350352}], [{13.6215}]
[{0.979404}], [{0.0155851}], [{0.866949}], [{0.178021}], [{20.9314}]
[{0.305578}], [{0.679677}], [{0.176217}], [{0.342345}], [{15.3019}]
[{0.56694}], [{0.386621}], [{0.489065}], [{0.519498}], [{18.525}]
[{0.198476}], [{0.914514}], [{0.486188}], [{0.449956}], [{17.999}]
[{0.606658}], [{0.803398}], [{0.714746}], [{0.454427}], [{25.2516}]
[{0.467811}], [{0.284332}], [{1.11896}], [{0.248817}], [{15.4631}]
[{0.236685}], [{0.89153}], [{0.793399}], [{1.32078}], [{23.1135}]
[{0.0152467}], [{1.39759}], [{0.56055}], [{0.761919}], [{21.7323}]
[{1.60377}], [{0.997465}], [{1.015}], [{1.31752}], [{71.5473}]
[{1.33402}], [{1.28292}], [{1.29365}], [{0.700314}], [{77.2907}]
[{1.42159}], [{1.59689}], [{1.83558}], [{1.34493}], [{143.763}]
[{1.46409}], [{0.998826}], [{1.02519}], [{1.14055}], [{65.8195}]
[{0.995667}], [{0.784556}], [{1.26415}], [{1.50835}], [{54.2869}]
[{1.64682}], [{1.64979}], [{1.31515}], [{1.29394}], [{132.972}]
[{1.37991}], [{2.52142}], [{1.99315}], [{2.21907}], [{308.694}]
[{1.60805}], [{1.35874}], [{1.68185}], [{1.84056}], [{138.003}]
[{2.28621}], [{2.0652}], [{1.90392}], [{1.01304}], [{255.614}]
[{1.26199}], [{2.01345}], [{1.30439}], [{1.54882}], [{153.912}]
[{2.59044}], [{2.08191}], [{2.25016}], [{1.98621}], [{367.396}]
[{2.19722}], [{1.62563}], [{2.24895}], [{1.97951}], [{253.802}]
[{2.30853}], [{2.21952}], [{2.00617}], [{1.813}], [{332.776}]
[{1.8639}], [{2.23981}], [{2.88041}], [{2.58382}], [{422.677}]
[{1.8337}], [{1.98528}], [{1.74249}], [{2.0562}], [{237.252}]
[{3.1784}], [{2.51659}], [{2.14045}], [{2.68024}], [{568.42}]
[{3.04809}], [{2.29286}], [{2.54854}], [{1.85677}], [{488.174}]
[{2.36366}], [{2.74181}], [{2.65536}], [{2.44308}], [{582.326}]
[{2.85948}], [{3.41035}], [{2.60978}], [{2.98325}], [{916.991}]
[{2.78254}], [{2.9111}], [{2.88969}], [{2.76095}], [{763.508}]

```

BE20B027

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0321584

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 2

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.399786}], [{0.0846411}], [{-0.201585}], [{-0.393191}], [{6.99626}]
[{0.295407}], [{0.698756}], [{0.364502}], [{0.0613089}], [{14.7194}]
[{0.209365}], [{-0.25951}], [{0.205986}], [{0.107384}], [{12.4575}]
[{0.421993}], [{-0.0281755}], [{0.717743}], [{0.370869}], [{13.92}]
[{0.221051}], [{0.518924}], [{0.413293}], [{0.574427}], [{15.888}]
[{0.351213}], [{0.984176}], [{0.347573}], [{0.820423}], [{20.307}]
[{1.51372}], [{0.51517}], [{0.94368}], [{0.0926358}], [{30.7175}]
[{0.0673396}], [{0.673395}], [{0.532376}], [{1.22036}], [{12.5108}]
[{0.576786}], [{0.559187}], [{1.19349}], [{0.71}], [{23.2173}]
[{1.09081}], [{1.07464}], [{0.95809}], [{1.2226}], [{52.1416}]
[{1.14397}], [{0.476285}], [{0.783061}], [{1.13605}], [{33.2969}]
[{1.03969}], [{0.865931}], [{0.890556}], [{1.11774}], [{42.697}]
[{1.74093}], [{0.930192}], [{0.685509}], [{1.22332}], [{58.4609}]
[{0.787904}], [{1.43537}], [{1.19829}], [{1.10874}], [{60.8493}]
[{0.963507}], [{1.17452}], [{1.41073}], [{0.627875}], [{53.6221}]

```

```

[{\{1.15834\}}, {\{1.40633\}}, {\{1.92862\}}, {\{0.846972\}}, {\{86.2195\}}]
[{\{1.60534\}}, {\{1.04008\}}, {\{0.756339\}}, {\{1.76213\}}, {\{66.3032\}}]
[{\{1.76288\}}, {\{1.77844\}}, {\{1.4407\}}, {\{2.24055\}}, {\{165.08\}}]
[{\{1.54185\}}, {\{2.16564\}}, {\{1.57094\}}, {\{1.74071\}}, {\{187.382\}}]
[{\{2.21878\}}, {\{1.25749\}}, {\{1.39433\}}, {\{2.57691\}}, {\{149.505\}}]
[{\{1.47935\}}, {\{2.82309\}}, {\{1.52761\}}, {\{1.98914\}}, {\{272.92\}}]
[{\{1.67185\}}, {\{2.19938\}}, {\{2.18987\}}, {\{1.59608\}}, {\{233.788\}}]
[{\{1.94421\}}, {\{2.62782\}}, {\{1.62235\}}, {\{2.49656\}}, {\{317.028\}}]
[{\{2.21349\}}, {\{1.63864\}}, {\{2.17293\}}, {\{2.06722\}}, {\{219.782\}}]
[{\{2.43571\}}, {\{2.30709\}}, {\{2.35131\}}, {\{2.80901\}}, {\{395.903\}}]
[{\{2.13222\}}, {\{1.75441\}}, {\{2.77976\}}, {\{2.68055\}}, {\{294.656\}}]
[{\{2.37365\}}, {\{2.83288\}}, {\{2.6689\}}, {\{2.54858\}}, {\{523.56\}}]
[{\{3.02232\}}, {\{2.44083\}}, {\{2.79555\}}, {\{3.12676\}}, {\{573.125\}}]
[{\{2.52643\}}, {\{3.00383\}}, {\{2.87908\}}, {\{2.59421\}}, {\{622.612\}}]
[{\{2.75668\}}, {\{3.00199\}}, {\{2.88384\}}, {\{3.21196\}}, {\{703.292\}}]

```

BE20B028

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0462529

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 5

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{0.0585299\}}, {\{0.0179694\}}, {\{0.12384\}}, {\{0.218941\}}, {\{8.52967\}}]
[{\{-0.151765\}}, {\{-0.640527\}}, {\{0.111675\}}, {\{-0.022387\}}, {\{5.96762\}}]
[{\{-0.141925\}}, {\{-0.533165\}}, {\{0.239004\}}, {\{0.235023\}}, {\{6.50901\}}]
[{\{-0.155175\}}, {\{0.114111\}}, {\{0.547208\}}, {\{-0.0857579\}}, {\{7.04754\}}]
[{\{0.419322\}}, {\{0.794877\}}, {\{0.0564684\}}, {\{-0.00661276\}}, {\{15.4325\}}]
[{\{-0.617267\}}, {\{0.449633\}}, {\{0.238229\}}, {\{0.810193\}}, {\{1.35029\}}]
[{\{1.31837\}}, {\{0.0311362\}}, {\{0.880119\}}, {\{0.735673\}}, {\{28.9343\}}]
[{\{0.785659\}}, {\{0.634307\}}, {\{1.2277\}}, {\{0.730091\}}, {\{30.6022\}}]
[{\{1.02857\}}, {\{1.22398\}}, {\{1.09937\}}, {\{0.71081\}}, {\{57.8917\}}]
[{\{1.6469\}}, {\{0.732254\}}, {\{1.23925\}}, {\{1.13772\}}, {\{61.2213\}}]
[{\{0.750047\}}, {\{0.826493\}}, {\{0.748703\}}, {\{0.90863\}}, {\{29.0665\}}]
[{\{1.19814\}}, {\{1.26488\}}, {\{1.04634\}}, {\{0.879645\}}, {\{63.3486\}}]
[{\{1.55826\}}, {\{1.70715\}}, {\{1.54907\}}, {\{1.31705\}}, {\{137.573\}}]
[{\{1.25162\}}, {\{0.612414\}}, {\{1.04812\}}, {\{1.93339\}}, {\{51.9715\}}]
[{\{0.905032\}}, {\{1.40828\}}, {\{1.14649\}}, {\{1.46031\}}, {\{69.5618\}}]
[{\{1.44881\}}, {\{1.47337\}}, {\{1.09677\}}, {\{0.835532\}}, {\{86.2926\}}]
[{\{1.58192\}}, {\{1.31527\}}, {\{1.43551\}}, {\{1.62023\}}, {\{107.25\}}]
[{\{1.78851\}}, {\{1.40058\}}, {\{1.44445\}}, {\{1.45251\}}, {\{118.923\}}]
[{\{2.09344\}}, {\{1.68968\}}, {\{1.91824\}}, {\{1.84961\}}, {\{204.567\}}]
[{\{1.84143\}}, {\{1.94579\}}, {\{2.39278\}}, {\{1.71838\}}, {\{248.604\}}]
[{\{2.22328\}}, {\{2.28708\}}, {\{2.16295\}}, {\{1.99852\}}, {\{331.317\}}]
[{\{1.33656\}}, {\{1.97375\}}, {\{1.56734\}}, {\{1.95822\}}, {\{166.916\}}]
[{\{2.30828\}}, {\{2.28499\}}, {\{1.98049\}}, {\{2.78475\}}, {\{355.236\}}]
[{\{2.92403\}}, {\{1.83245\}}, {\{1.82101\}}, {\{2.4037\}}, {\{300.827\}}]
[{\{2.54661\}}, {\{2.19498\}}, {\{3.23542\}}, {\{2.59428\}}, {\{497.511\}}]
[{\{2.36632\}}, {\{2.06825\}}, {\{2.5071\}}, {\{2.76256\}}, {\{381.155\}}]
[{\{2.57435\}}, {\{2.43747\}}, {\{2.51897\}}, {\{2.71429\}}, {\{478.18\}}]
[{\{2.89658\}}, {\{2.61344\}}, {\{3.07798\}}, {\{2.5897\}}, {\{633.124\}}]
[{\{2.68121\}}, {\{3.52395\}}, {\{2.51799\}}, {\{3.2002\}}, {\{830.186\}}]
[{\{3.48068\}}, {\{3.35879\}}, {\{2.76435\}}, {\{3.0033\}}, {\{954.772\}}]

```

BE20B030

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0184699

Matrix Index 1 = 4, Matrix Index 2 = 3

Parameter No. = 4

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.0497325}],[{0.323501}],[{0.33269}],[{-0.00554268}],[{9.76927}]
[{0.63188}],[{-0.00355744}],[{0.0964293}],[{-0.391504}],[{14.8052}]
[{0.615558}],[{0.339018}],[{0.5334}],[{0.159549}],[{16.4243}]
[{0.451641}],[{-0.190388}],[{0.81807}],[{0.806965}],[{16.37}]
[{0.4876}],[{0.63086}],[{0.367635}],[{-0.0341903}],[{17.8536}]
[{0.270093}],[{0.605244}],[{0.556846}],[{0.38329}],[{15.843}]
[{0.572967}],[{0.749938}],[{0.142659}],[{0.0561935}],[{18.8533}]
[{0.451299}],[{0.451429}],[{0.238968}],[{0.437815}],[{15.0766}]
[{0.744055}],[{0.616987}],[{0.867607}],[{0.428951}],[{25.9465}]
[{0.905105}],[{1.80295}],[{0.377661}],[{0.826464}],[{64.7115}]
[{0.715152}],[{0.98474}],[{0.604048}],[{0.763617}],[{31.8744}]
[{1.24331}],[{1.22856}],[{0.778826}],[{1.33419}],[{65.49}]
[{1.03708}],[{0.930715}],[{0.969383}],[{1.72532}],[{54.4359}]
[{1.22335}],[{0.932472}],[{1.53195}],[{1.64681}],[{75.2411}]
[{1.7305}],[{1.52408}],[{1.41167}],[{1.21096}],[{130.432}]
[{1.38753}],[{1.54703}],[{1.39443}],[{1.51699}],[{119.338}]
[{1.68071}],[{1.56788}],[{1.58477}],[{1.22193}],[{140.443}]
[{2.72455}],[{1.74115}],[{1.31002}],[{1.71723}],[{220.615}]
[{1.44154}],[{1.91213}],[{1.84819}],[{1.68399}],[{189.998}]
[{1.46681}],[{2.1379}],[{1.95878}],[{1.79581}],[{235.639}]
[{2.02993}],[{1.91874}],[{1.52154}],[{1.8438}],[{219.359}]
[{2.40281}],[{2.98228}],[{1.69264}],[{2.1092}],[{496.944}]
[{2.42963}],[{1.81009}],[{2.12269}],[{2.12377}],[{294.368}]
[{2.30806}],[{2.13267}],[{2.36957}],[{1.98831}],[{357.818}]
[{2.59857}],[{2.59806}],[{2.14674}],[{2.44667}],[{501.135}]
[{2.44741}],[{2.11905}],[{2.06629}],[{2.27605}],[{355.058}]
[{2.59919}],[{2.91285}],[{2.42469}],[{2.8843}],[{654.423}]
[{2.8567}],[{2.62441}],[{2.9026}],[{2.91048}],[{685.9}]
[{3.21639}],[{2.95551}],[{2.54626}],[{3.07456}],[{812.323}]
[{3.42463}],[{2.87155}],[{3.0971}],[{3.06526}],[{920.934}]
```

BE20B038

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0301947

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 2

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{0.355675}],[{0.559528}],[{-0.0904154}],[{-0.00172258}],[{12.9271}]
[{0.653273}],[{0.242264}],[{-0.0117244}],[{0.6272}],[{16.9706}]
[{0.717493}],[{-0.182215}],[{0.265673}],[{0.0226756}],[{14.6023}]
[{-0.0338685}],[{0.413575}],[{0.121557}],[{0.514046}],[{6.20091}]
[{0.383337}],[{0.591336}],[{0.0535323}],[{0.18294}],[{13.7295}]
[{0.305214}],[{0.462158}],[{0.625305}],[{0.906634}],[{15.5031}]
[{0.201855}],[{0.33285}],[{0.54946}],[{0.809664}],[{14.0259}]
[{1.02917}],[{1.24358}],[{0.404513}],[{-0.046117}],[{35.1362}]
[{0.340632}],[{0.608622}],[{1.752}],[{0.663665}],[{23.6415}]
```

[{0.705209}], [{1.24267}], [{0.606213}], [{1.47946}], [{39.5489}]
[{0.786409}], [{1.25922}], [{1.80437}], [{0.709493}], [{62.3083}]
[{0.790362}], [{1.77748}], [{0.903251}], [{1.08417}], [{71.3617}]
[{0.613176}], [{0.710945}], [{1.13032}], [{1.31426}], [{32.5654}]
[{0.866741}], [{1.83487}], [{1.35671}], [{0.766123}], [{92.1754}]
[{1.53489}], [{1.69739}], [{0.950142}], [{1.27747}], [{101.997}]
[{1.9172}], [{2.02287}], [{1.38105}], [{1.55785}], [{182.917}]
[{1.16248}], [{1.58037}], [{1.55741}], [{1.97487}], [{113.285}]
[{1.76839}], [{1.40321}], [{1.3128}], [{2.00467}], [{122.551}]
[{1.93667}], [{1.75766}], [{1.70471}], [{1.43372}], [{173.184}]
[{1.72937}], [{2.12176}], [{1.48903}], [{1.83529}], [{197.583}]
[{1.93784}], [{2.43149}], [{1.67164}], [{2.25775}], [{285.244}]
[{1.92612}], [{1.6907}], [{2.54972}], [{2.4334}], [{258.09}]
[{2.03199}], [{2.2371}], [{2.63876}], [{2.22013}], [{353.217}]
[{2.57741}], [{2.16109}], [{2.3242}], [{2.12123}], [{359.796}]
[{2.59387}], [{2.37764}], [{2.39423}], [{2.78329}], [{454.755}]
[{1.95242}], [{2.70798}], [{2.09343}], [{2.44834}], [{388.133}]
[{2.32186}], [{2.59737}], [{2.15369}], [{2.29146}], [{409.276}]
[{2.77864}], [{2.09768}], [{3.01448}], [{2.80702}], [{496.081}]
[{2.61567}], [{2.98716}], [{2.94228}], [{2.87526}], [{693.286}]
[{2.96877}], [{2.98708}], [{2.65346}], [{2.52552}], [{674.22}]

BE21B003

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0368696

Matrix Index 1 = 1, Matrix Index 2 = 4

Parameter No. = 5

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.585054}], [{ -0.113862}], [{ -0.306582}], [{ 0.262825}], [{ 5.76971}]
[{ 0.166292}], [{ 0.204379}], [{ 0.634453}], [{ -0.133417}], [{ 11.0999}]
[{-0.244532}], [{ 0.32742}], [{ -0.262609}], [{ 0.2314}], [{ 7.55655}]
[{ 0.799695}], [{ 0.1244486}], [{ 0.39571}], [{ -0.270469}], [{ 16.8187}]
[{-0.0933373}], [{ 0.730662}], [{ 0.418833}], [{ 0.57436}], [{ 11.0865}]
[{ 0.481}], [{ 0.777084}], [{ 0.741349}], [{ -0.0624543}], [{ 22.1526}]
[{ 0.00979547}], [{ -0.258491}], [{ 0.989793}], [{ 1.23452}], [{ 12.4953}]
[{ 1.14034}], [{ 1.39335}], [{ -0.0203641}], [{ 1.15957}], [{ 35.8131}]
[{ 0.154258}], [{ 0.642478}], [{ 0.527019}], [{ 0.888628}], [{ 16.9835}]
[{ 0.601899}], [{ 0.608194}], [{ 1.54626}], [{ 0.67941}], [{ 29.1447}]
[{ 0.883485}], [{ 1.29327}], [{ 0.894253}], [{ 1.17195}], [{ 55.783}]
[{ 1.49301}], [{ 0.445013}], [{ 1.11015}], [{ 0.739772}], [{ 44.9694}]
[{ 1.37118}], [{ 1.24587}], [{ 1.31114}], [{ 0.556226}], [{ 70.5299}]
[{ 1.35447}], [{ 1.72171}], [{ 1.4183}], [{ 1.37919}], [{ 123.164}]
[{ 1.06749}], [{ 1.43586}], [{ 1.21062}], [{ 1.58141}], [{ 85.1231}]
[{ 1.4356}], [{ 1.96329}], [{ 1.14283}], [{ 1.50367}], [{ 133.44}]
[{ 1.88301}], [{ 1.41966}], [{ 1.56868}], [{ 1.29395}], [{ 129.043}]
[{ 1.5581}], [{ 1.12837}], [{ 1.90432}], [{ 1.73507}], [{ 119.954}]
[{ 1.96465}], [{ 1.42398}], [{ 1.09715}], [{ 1.96426}], [{ 126.639}]
[{ 2.43136}], [{ 2.3268}], [{ 2.37016}], [{ 1.95179}], [{ 379.492}]
[{ 1.8093}], [{ 1.87895}], [{ 2.53559}], [{ 1.50018}], [{ 240.277}]
[{ 1.84593}], [{ 2.30636}], [{ 2.04715}], [{ 2.11999}], [{ 296.949}]
[{ 1.97228}], [{ 2.66812}], [{ 2.44415}], [{ 1.98131}], [{ 409.124}]
[{ 2.37479}], [{ 2.41048}], [{ 2.19897}], [{ 1.99835}], [{ 374.312}]
[{ 2.97556}], [{ 2.50805}], [{ 2.80419}], [{ 2.5676}], [{ 582.925}]]

```
[{2.57849}], [{2.42543}], [{2.80836}], [{2.45418}], [{503.799}]
[{2.71501}], [{2.91218}], [{2.78398}], [{2.48061}], [{643.793}]
[{2.46539}], [{2.94406}], [{3.00878}], [{3.09756}], [{701.353}]
[{3.26917}], [{2.86455}], [{2.49856}], [{2.80493}], [{685.474}]
[{3.06169}], [{3.28674}], [{2.97168}], [{2.80921}], [{876.462}]
```

BE21B006

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0459705

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 5

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.0443039}], [{-0.107442}], [{0.0941668}], [{-0.0909804}], [{12.0316}]
[{{0.183167}}, {{0.167992}}], [{{-0.0261137}}, {{0.31782}}], [{{12.4863}}]
[{{-0.137541}}, {{0.250647}}], [{{0.362788}}], [{{0.374732}}], [{{8.17955}}]
[{{0.780411}}, {{0.127168}}], [{{0.80326}}], [{{0.414931}}], [{{22.3454}}]
[{{0.521286}}, {{0.705655}}], [{{0.402437}}], [{{0.496269}}], [{{23.0202}}]
[{{0.388222}}, {{0.0229939}}], [{{0.586053}}], [{{0.355515}}], [{{16.7089}}]
[{{0.79856}}, {{1.02357}}], [{{-0.280997}}], [{{0.606175}}], [{{22.4049}}]
[{{0.839978}}, {{0.84898}}], [{{0.654405}}], [{{1.11246}}], [{{40.4763}}]
[{{0.814313}}, {{0.879598}}], [{{0.836952}}], [{{1.13491}}], [{{43.3916}}]
[{{1.50643}}, {{0.825093}}], [{{0.863064}}], [{{0.344503}}], [{{50.5919}}]
[{{0.795636}}, {{0.592848}}], [{{1.48438}}], [{{0.804637}}], [{{38.3022}}]
[{{1.85007}}, {{0.826951}}], [{{0.742593}}], [{{1.30659}}], [{{67.8818}}]
[{{1.54135}}, {{1.0059}}], [{{1.01876}}], [{{1.57871}}], [{{80.7033}}]
[{{1.12496}}, {{1.55528}}], [{{1.6361}}], [{{1.34898}}], [{{129.194}}]
[{{1.31148}}, {{2.05011}}], [{{1.30255}}], [{{1.13086}}], [{{174.405}}]
[{{1.5031}}, {{1.83324}}], [{{1.32936}}], [{{1.50031}}], [{{166.519}}]
[{{1.51011}}, {{0.785922}}], [{{1.8173}}], [{{2.03213}}], [{{102.694}}]
[{{1.678}}, {{1.91869}}], [{{2.13643}}], [{{1.34216}}], [{{242.578}}]
[{{2.04898}}, {{1.75643}}], [{{1.58671}}], [{{1.47151}}], [{{207.301}}]
[{{2.0604}}, {{2.04022}}], [{{2.28541}}], [{{1.37147}}], [{{306.165}}]
[{{2.34581}}, {{2.38539}}], [{{2.30219}}], [{{1.87148}}], [{{438.364}}]
[{{1.89794}}, {{2.14769}}], [{{1.73339}}], [{{2.03186}}], [{{288.516}}]
[{{2.12645}}, {{2.31756}}], [{{2.31872}}], [{{1.93111}}], [{{404.154}}]
[{{1.92219}}, {{2.24752}}], [{{2.29657}}], [{{2.00943}}], [{{368.553}}]
[{{2.28772}}, {{2.06103}}], [{{2.68376}}], [{{2.02166}}], [{{400.169}}]
[{{2.42416}}, {{2.67024}}], [{{2.36011}}], [{{2.7886}}], [{{582.337}}]
[{{3.18379}}, {{2.56033}}], [{{2.85909}}], [{{2.79273}}], [{{734.708}}]
[{{2.62027}}, {{2.60826}}], [{{3.10197}}], [{{2.88002}}], [{{712.24}}]
[{{2.7285}}, {{2.60417}}], [{{2.39138}}], [{{3.04132}}], [{{622.845}}]
[{{2.33221}}, {{2.96478}}], [{{3.38586}}], [{{2.74599}}], [{{838.458}}]
```

BE21B014

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.041328

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{{0.0693814}}, {{-0.183661}}], [{{-0.400029}}], [{{0.107982}}], [{{9.37781}}]
[{{0.341352}}, {{0.128182}}], [{{-0.0747995}}], [{{0.172718}}], [{{12.0385}}]
[{{-0.157381}}, {{-0.108911}}], [{{-0.303642}}], [{{0.108117}}], [{{8.24849}}]
```

```

[{\{0.178827\}}, {\{0.512763\}}, {\{-0.0223993\}}, {\{0.0118461\}}, {\{12.5577\}}]
[{\{0.246394\}}, {\{0.744697\}}, {\{-0.0299281\}}, {\{0.636191\}}, {\{13.1967\}}]
[{\{0.541522\}}, {\{0.67509\}}, {\{0.335549\}}, {\{0.835467\}}, {\{20.2913\}}]
[{\{0.616971\}}, {\{0.645295\}}, {\{0.794823\}}, {\{0.583506\}}, {\{23.317\}}]
[{\{1.1625\}}, {\{1.15659\}}, {\{0.220938\}}, {\{0.724204\}}, {\{41.3796\}}]
[{\{0.713711\}}, {\{0.466752\}}, {\{1.00539\}}, {\{0.461345\}}, {\{23.498\}}]
[{\{0.697781\}}, {\{0.677171\}}, {\{0.647693\}}, {\{1.22892\}}, {\{30.0621\}}]
[{\{0.212701\}}, {\{1.38109\}}, {\{0.940872\}}, {\{1.3632\}}, {\{34.7426\}}]
[{\{0.987665\}}, {\{1.13508\}}, {\{1.22261\}}, {\{1.01531\}}, {\{60.1421\}}]
[{\{1.66789\}}, {\{1.8896\}}, {\{1.74787\}}, {\{1.06141\}}, {\{170.556\}}]
[{\{1.53929\}}, {\{1.1849\}}, {\{1.00013\}}, {\{1.3928\}}, {\{79.9175\}}]
[{\{1.43101\}}, {\{1.539\}}, {\{1.21848\}}, {\{1.67789\}}, {\{114.826\}}]
[{\{1.42547\}}, {\{1.74019\}}, {\{1.35499\}}, {\{1.85807\}}, {\{140.095\}}]
[{\{1.10109\}}, {\{2.3216\}}, {\{2.11544\}}, {\{1.48404\}}, {\{217.301\}}]
[{\{1.53285\}}, {\{1.40027\}}, {\{1.56595\}}, {\{1.65701\}}, {\{124.456\}}]
[{\{1.83258\}}, {\{1.46295\}}, {\{1.56738\}}, {\{2.00293\}}, {\{158.636\}}]
[{\{1.86129\}}, {\{1.73783\}}, {\{1.84257\}}, {\{1.70839\}}, {\{194.542\}}]
[{\{2.02416\}}, {\{1.9813\}}, {\{1.91455\}}, {\{1.57399\}}, {\{235.236\}}]
[{\{2.25367\}}, {\{1.71188\}}, {\{1.47504\}}, {\{2.50581\}}, {\{223.025\}}]
[{\{1.9266\}}, {\{2.3459\}}, {\{1.63136\}}, {\{2.21427\}}, {\{284.076\}}]
[{\{2.40015\}}, {\{2.44784\}}, {\{2.32386\}}, {\{2.33703\}}, {\{434.937\}}]
[{\{2.33389\}}, {\{2.61149\}}, {\{2.37694\}}, {\{2.35985\}}, {\{468.925\}}]
[{\{2.52655\}}, {\{2.71006\}}, {\{2.51717\}}, {\{3.20859\}}, {\{595.902\}}]
[{\{2.74549\}}, {\{1.91428\}}, {\{2.56522\}}, {\{3.07432\}}, {\{455.566\}}]
[{\{2.38307\}}, {\{2.76363\}}, {\{3.40056\}}, {\{2.86313\}}, {\{693.568\}}]
[{\{2.75166\}}, {\{2.6711\}}, {\{2.85677\}}, {\{2.77406\}}, {\{641.411\}}]
[{\{2.52327\}}, {\{2.73403\}}, {\{3.16072\}}, {\{2.91185\}}, {\{680.615\}}]

```

BE21B018

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0201884

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 5

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{-0.269178\}}, {\{0.23889\}}, {\{0.217265\}}, {\{-0.296954\}}, {\{9.96886\}}]
[{\{0.00336827\}}, {\{-0.150518\}}, {\{0.119861\}}, {\{0.0572239\}}, {\{12.2835\}}]
[{\{0.131152\}}, {\{0.531078\}}, {\{0.0508186\}}, {\{1.12593\}}, {\{14.4102\}}]
[{\{0.950823\}}, {\{0.127431\}}, {\{0.230957\}}, {\{0.365675\}}, {\{23.6135\}}]
[{\{0.377046\}}, {\{0.674755\}}, {\{0.886086\}}, {\{0.426404\}}, {\{25.4943\}}]
[{\{0.198551\}}, {\{0.310631\}}, {\{0.65392\}}, {\{0.0341806\}}, {\{14.7814\}}]
[{\{0.525801\}}, {\{0.546806\}}, {\{0.31786\}}, {\{0.539073\}}, {\{21.6212\}}]
[{\{0.42789\}}, {\{0.319846\}}, {\{0.717128\}}, {\{0.664935\}}, {\{19.3024\}}]
[{\{0.892588\}}, {\{1.09841\}}, {\{0.797492\}}, {\{0.91424\}}, {\{51.287\}}]
[{\{1.04067\}}, {\{0.694566\}}, {\{0.758868\}}, {\{0.294709\}}, {\{35.4721\}}]
[{\{1.14119\}}, {\{1.23862\}}, {\{1.27062\}}, {\{1.04604\}}, {\{84.0601\}}]
[{\{1.39474\}}, {\{1.14705\}}, {\{1.22854\}}, {\{1.27927\}}, {\{88.3833\}}]
[{\{1.25835\}}, {\{0.914737\}}, {\{1.48352\}}, {\{1.28707\}}, {\{77.4347\}}]
[{\{1.16158\}}, {\{1.07718\}}, {\{1.16923\}}, {\{1.35104\}}, {\{74.1583\}}]
[{\{1.56824\}}, {\{1.66669\}}, {\{1.06474\}}, {\{1.80245\}}, {\{142.563\}}]
[{\{1.15629\}}, {\{1.09603\}}, {\{1.2794\}}, {\{1.55221\}}, {\{81.0178\}}]
[{\{1.29245\}}, {\{1.57163\}}, {\{1.51998\}}, {\{1.28993\}}, {\{134.388\}}]
[{\{1.40756\}}, {\{2.11177\}}, {\{1.35401\}}, {\{1.46283\}}, {\{196.029\}}]
[{\{2.40086\}}, {\{2.11585\}}, {\{1.99034\}}, {\{1.097\}}, {\{318.116\}}]

```

```
[{2.59123}], [{1.93298}], [{1.51736}], [{1.63846}], [{278.456}]
[{1.64316}], [{1.74414}], [{2.07276}], [{2.34572}], [{244.153}]
[{1.74246}], [{1.84713}], [{1.74205}], [{2.12091}], [{235.616}]
[{2.38041}], [{1.81015}], [{2.22286}], [{2.01975}], [{320.996}]
[{1.94609}], [{2.58528}], [{2.87081}], [{1.9048}], [{525.394}]
[{2.82227}], [{1.82305}], [{2.60546}], [{2.20106}], [{414.442}]
[{2.29154}], [{2.32298}], [{3.00713}], [{2.18918}], [{526.224}]
[{2.64602}], [{2.09479}], [{2.10884}], [{2.60022}], [{426.997}]
[{2.74679}], [{2.26242}], [{2.56264}], [{2.35158}], [{523.929}]
[{2.23733}], [{3.19875}], [{2.40092}], [{3.17467}], [{764.498}]
[{3.06458}], [{3.06406}], [{3.5322}], [{2.66662}], [{1067.99}]
```

BE21B020

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0167927

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 1

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[0.0260128], [{0.166921}], [{-0.070324}], [{-0.208669}], [{9.80712}]
[-0.130847], [{0.54618}], [{0.411293}], [{0.143042}], [{9.0071}]
[0.394285], [{0.321806}], [{0.190352}], [{-0.0100984}], [{13.2868}]
[0.579132], [{0.33426}], [{0.178033}], [{0.607498}], [{18.1383}]
[0.19974], [{1.00271}], [{0.723544}], [{0.448049}], [{22.2778}]
[0.608021], [{0.452129}], [{0.803134}], [{0.696805}], [{20.6978}]
[0.309636], [{0.617978}], [{0.486173}], [{0.400161}], [{14.4738}]
[0.606323], [{0.274487}], [{1.47841}], [{0.979829}], [{24.3391}]
[0.0302754], [{0.888094}], [{0.590069}], [{0.902025}], [{16.5236}]
[1.05085], [{0.670405}], [{0.753132}], [{0.646346}], [{31.2434}]
[0.761562], [{0.773683}], [{0.769477}], [{1.0923}], [{30.6951}]
[1.02107], [{1.42672}], [{1.0607}], [{1.4956}], [{75.762}]
[1.56224], [{0.593429}], [{0.893227}], [{1.13886}], [{46.7154}]
[1.40433], [{0.904664}], [{1.66565}], [{1.24191}], [{74.1637}]
[0.919355], [{1.33374}], [{1.10867}], [{1.12307}], [{63.9584}]
[1.4112], [{1.85959}], [{1.283}], [{1.7178}], [{139.3}]
[2.04305], [{1.06219}], [{1.3808}], [{1.70497}], [{112.728}]
[1.73596], [{1.29855}], [{2.29481}], [{1.15567}], [{135.416}]
[1.79686], [{1.23045}], [{1.60776}], [{2.21127}], [{136.927}]
[1.91697], [{1.65467}], [{1.88268}], [{2.12986}], [{200.305}]
[2.04892], [{2.92452}], [{1.89646}], [{2.07586}], [{417.865}]
[2.31128], [{2.45777}], [{1.9185}], [{1.84809}], [{346.109}]
[1.73206], [{1.68733}], [{1.84558}], [{2.16532}], [{190.057}]
[2.67949], [{1.79167}], [{2.44425}], [{2.56647}], [{355.585}]
[2.03248], [{2.88098}], [{2.53822}], [{2.89375}], [{535.524}]
[2.35514], [{2.18177}], [{2.20579}], [{1.72075}], [{321.242}]
[2.91956], [{2.72288}], [{2.65443}], [{3.15079}], [{660.214}]
[2.84624], [{2.42189}], [{2.85085}], [{2.97516}], [{589.121}]
[2.69475], [{3.08211}], [{2.26049}], [{2.58345}], [{616.898}]
[3.22371], [{3.04316}], [{2.69921}], [{2.70789}], [{776.022}]
```

BE21B022

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0178752

Matrix Index 1 = 1, Matrix Index 2 = 4

Parameter No. = 2

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.313543}], [{0.39557}], [{-0.849175}], [{0.00972634}], [{6.81541}]
[0.351334], [{0.082334}], [{0.0663926}], [{0.115446}], [{15.6216}]
[0.103198], [{-0.590813}], [{-0.10159}], [{0.15755}], [{10.8694}]
[0.178091], [{0.180764}], [{0.637338}], [{0.773955}], [{11.0347}]
[0.968276], [{0.44307}], [{0.485429}], [{0.214767}], [{22.8777}]
[0.669159], [{0.289883}], [{0.854559}], [{0.155882}], [{19.083}]
[0.794292], [{0.657454}], [{-0.0941616}], [{0.69376}], [{20.0329}]
[1.08554], [{0.441754}], [{1.02896}], [{0.951064}], [{33}]
[0.54456], [{1.12415}], [{1.12293}], [{1.21906}], [{44.1497}]
[0.724987], [{0.559554}], [{1.26228}], [{1.08736}], [{32.6184}]
[1.12819], [{1.25729}], [{1.29397}], [{1.19725}], [{74.7644}]
[0.568861], [{1.02379}], [{1.29838}], [{1.1356}], [{44.6667}]
[1.7817], [{0.751943}], [{1.25338}], [{1.47527}], [{75.0992}]
[1.08827], [{1.82104}], [{1.13988}], [{1.15199}], [{111.064}]
[1.65774], [{1.53267}], [{1.26157}], [{1.20032}], [{120.273}]
[0.700273], [{1.60791}], [{1.40058}], [{0.897465}], [{84.2339}]
[1.27602], [{1.06127}], [{1.74164}], [{1.21698}], [{81.6718}]
[1.782], [{1.43554}], [{2.00069}], [{1.55339}], [{158.508}]
[1.75056], [{2.1642}], [{2.34704}], [{1.78669}], [{297.549}]
[2.33168], [{2.39188}], [{1.6562}], [{2.4208}], [{350.11}]
[2.50038], [{1.99155}], [{1.94223}], [{2.32088}], [{315.671}]
[2.1183], [{1.90952}], [{2.11098}], [{1.88475}], [{267.066}]
[2.42683], [{1.88264}], [{2.05263}], [{1.67151}], [{272.697}]
[2.12612], [{2.10649}], [{2.54331}], [{2.77758}], [{382.559}]
[2.52803], [{2.54752}], [{2.21173}], [{1.98187}], [{455.271}]
[2.42484], [{2.29028}], [{2.65201}], [{2.19668}], [{439.429}]
[2.00524], [{2.81366}], [{3.20484}], [{2.08959}], [{590.713}]
[3.06431], [{2.67959}], [{2.43171}], [{2.41175}], [{611.008}]
[2.24345], [{2.68011}], [{2.65133}], [{2.95579}], [{559.41}]
[2.76916], [{3.32278}], [{2.78564}], [{2.95773}], [{882.479}]
```

BE21B023

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0377063

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 2

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[0.447638], [{-0.881588}], [{0.18704}], [{-0.257001}], [{17.7759}]
[-0.0413983], [{0.193575}], [{-0.322876}], [{0.136009}], [{9.46303}]
[0.415935], [{-0.212463}], [{0.369846}], [{0.151748}], [{13.2178}]
[0.408007], [{0.341951}], [{0.493506}], [{0.421361}], [{14.4619}]
[0.095378], [{0.293655}], [{0.41655}], [{0.173829}], [{10.2801}]
[0.316481], [{1.07111}], [{0.861394}], [{-0.0277974}], [{22.9969}]
[0.548494], [{0.448676}], [{0.561059}], [{0.216601}], [{16.6029}]
[0.80472], [{0.485042}], [{0.715975}], [{0.902688}], [{27.081}]
[0.376005], [{1.42771}], [{0.477148}], [{0.523816}], [{27.809}]
[0.611928], [{1.13605}], [{0.54781}], [{0.573781}], [{31.6749}]
[1.08027], [{0.47924}], [{1.51919}], [{1.29082}], [{48.541}]
[0.915133], [{0.168866}], [{1.38}], [{1.05411}], [{34.0869}]
[1.56165], [{1.1357}], [{0.88075}], [{0.892779}], [{65.6308}]
```

```

[{\{0.99596\}}, {\{1.00275\}}, {\{1.13145\}}, {\{0.969447\}}, {\{47.7011\}}]
[{\{1.79686\}}, {\{1.64744\}}, {\{1.38512\}}, {\{1.40869\}}, {\{134.522\}}]
[{\{0.809034\}}, {\{1.10051\}}, {\{1.66814\}}, {\{1.39128\}}, {\{62.7121\}}]
[{\{1.31415\}}, {\{1.62532\}}, {\{1.78795\}}, {\{1.92788\}}, {\{139.763\}}]
[{\{1.70639\}}, {\{1.66639\}}, {\{1.22893\}}, {\{1.79068\}}, {\{134.454\}}]
[{\{1.82879\}}, {\{1.68284\}}, {\{1.19693\}}, {\{2.03274\}}, {\{146.614\}}]
[{\{1.60915\}}, {\{1.98024\}}, {\{1.85075\}}, {\{2.34545\}}, {\{212.769\}}]
[{\{2.22134\}}, {\{1.816\}}, {\{2.04419\}}, {\{2.49339\}}, {\{270.823\}}]
[{\{1.46278\}}, {\{1.57863\}}, {\{2.26686\}}, {\{2.21472\}}, {\{179.618\}}]
[{\{2.523\}}, {\{2.48179\}}, {\{2.09426\}}, {\{2.14568\}}, {\{393.371\}}]
[{\{2.14706\}}, {\{2.42048\}}, {\{2.48255\}}, {\{2.11812\}}, {\{374.529\}}]
[{\{2.82339\}}, {\{2.0195\}}, {\{2.00518\}}, {\{1.79967\}}, {\{312.472\}}]
[{\{2.37791\}}, {\{2.50774\}}, {\{1.99384\}}, {\{2.85447\}}, {\{409.112\}}]
[{\{2.64029\}}, {\{2.77139\}}, {\{2.09894\}}, {\{2.40668\}}, {\{483.552\}}]
[{\{2.77454\}}, {\{2.29065\}}, {\{3.20827\}}, {\{3.04133\}}, {\{587.037\}}]
[{\{3.14427\}}, {\{2.85797\}}, {\{2.97341\}}, {\{2.68044\}}, {\{725.689\}}]
[{\{2.97535\}}, {\{2.82196\}}, {\{2.62097\}}, {\{2.87834\}}, {\{651.011\}}]

```

BE21B024

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.039557

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 1

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{-0.15909}], [-0.249589], [0.199508], [0.212594], [9.75768]
[0.207274], [0.112512], [-0.386082], [0.462133], [13.4449]
[0.19625], [0.243379], [-0.14765], [0.26328], [13.5892]
[0.484575], [0.323589], [1.36821], [0.151826], [20.448]
[1.00859], [0.455235], [0.182651], [0.682553], [28.0436]
[0.808955], [-0.0265484], [1.17055], [0.129486], [22.7294]
[0.665524], [1.17439], [0.611347], [0.655969], [38.0824]
[1.25944], [0.902468], [0.960706], [0.129199], [42.5163]
[1.02841], [0.49734], [0.459668], [0.672727], [32.2197]
[0.809169], [0.717788], [0.527776], [0.873483], [29.5596]
[1.15658], [1.08607], [0.814452], [0.624449], [49.3011]
[1.08597], [0.650084], [0.81289], [1.07842], [39.611]
[1.25119], [1.11132], [1.39967], [1.197], [72.7766]
[1.46793], [0.682872], [1.27519], [1.32179], [61.9769]
[1.68521], [1.24652], [1.45958], [1.17751], [97.5589]
[1.22398], [1.31638], [1.49047], [1.18284], [82.1519]
[1.64891], [1.66687], [1.6582], [1.07828], [132.923]
[1.35952], [1.86], [1.67806], [2.18493], [159.376]
[2.12897], [1.70808], [1.9044], [1.66859], [196.177]
[2.10256], [1.79488], [1.49904], [1.67934], [178.36]
[1.82904], [2.26995], [1.38247], [1.83963], [210.648]
[2.17889], [1.86739], [2.17803], [1.79975], [238.469]
[1.87797], [2.55657], [1.96122], [2.27809], [316.695]
[2.24016], [1.90253], [2.15834], [1.84919], [250.924]
[2.067], [2.38854], [2.35631], [2.56384], [357.651]
[2.71698], [2.94462], [2.84713], [2.22221], [595.224]
[2.73176], [2.34626], [2.45936], [3.32762], [482.538]
[2.38942], [2.69535], [2.23608], [2.89182], [456.727]
[2.88892], [3.23914], [2.1638], [2.48834], [617.124]

```

[{2.82322}], [{2.83895}], [{3.02491}], [{2.45639}], [{621.519}]

BE21B025

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0152159

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 1

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.0982704}], [{0.0662254}], [{0.447435}], [{0.370205}], [{9.58133}]
[{-0.133426}], [{-0.0971767}], [{0.0966381}], [{0.230024}], [{9.14814}]
[{0.319685}], [{0.0713651}], [{0.605553}], [{0.123365}], [{13.2287}]
[{0.104863}], [{0.376609}], [{0.340323}], [{0.28756}], [{13.3223}]
[{0.439216}], [{0.202842}], [{1.019}], [{0.117584}], [{12.9843}]
[{0.633723}], [{0.808804}], [{1.2369}], [{0.356157}], [{28.7556}]
[{0.491935}], [{1.15525}], [{0.259049}], [{-0.143327}], [{24.7489}]
[{0.718253}], [{1.30239}], [{0.847333}], [{0.902587}], [{45.3568}]
[{1.31562}], [{1.58996}], [{0.28574}], [{0.45157}], [{53.0249}]
[{0.747969}], [{0.789548}], [{0.865542}], [{0.76154}], [{30.6561}]
[{0.626497}], [{0.974739}], [{0.518736}], [{0.38088}], [{28.1387}]
[{0.257549}], [{0.643165}], [{0.818682}], [{0.375285}], [{18.476}]
[{1.31806}], [{1.30662}], [{1.16811}], [{1.4661}], [{77.9644}]
[{1.37074}], [{1.46366}], [{1.30055}], [{1.53436}], [{97.3603}]
[{1.1266}], [{1.51436}], [{1.48379}], [{1.52735}], [{97.2439}]
[{1.2143}], [{1.47038}], [{1.15384}], [{1.62865}], [{84.9956}]
[{1.50056}], [{2.11099}], [{1.28271}], [{1.43127}], [{156.701}]
[{1.47213}], [{1.72735}], [{2.0044}], [{1.51114}], [{158.017}]
[{1.63398}], [{2.29796}], [{2.26871}], [{1.53183}], [{268.405}]
[{1.93142}], [{2.54089}], [{1.9399}], [{1.58656}], [{303.491}]
[{2.0703}], [{1.68284}], [{2.02239}], [{2.20266}], [{217.601}]
[{2.14905}], [{2.41676}], [{2.07458}], [{1.903}], [{325.898}]
[{2.04213}], [{2.13995}], [{2.08554}], [{2.41385}], [{291.885}]
[{2.24551}], [{2.08803}], [{2.57495}], [{2.25761}], [{341.839}]
[{2.51796}], [{2.16904}], [{2.19481}], [{2.37006}], [{348.992}]
[{2.95115}], [{2.07628}], [{2.7052}], [{2.12491}], [{410.877}]
[{2.56473}], [{1.84299}], [{2.67493}], [{2.52579}], [{353.424}]
[{2.89418}], [{2.20362}], [{2.70129}], [{3.08689}], [{503.429}]
[{2.4554}], [{2.85964}], [{2.78413}], [{3.37661}], [{635.213}]
[{3.20585}], [{2.90847}], [{3.0119}], [{2.92126}], [{768.597}]

BE21B028

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0394172

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 2

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.192519}], [{0.0217837}], [{-0.440815}], [{0.306027}], [{10.4322}]
[{-0.0902505}], [{0.29849}], [{0.190113}], [{0.620159}], [{8.11924}]
[{-0.416759}], [{0.19259}], [{0.0977265}], [{-0.246912}], [{7.03207}]
[{-0.520437}], [{0.744173}], [{-0.443506}], [{0.554638}], [{0.774407}]
[{0.946191}], [{0.595761}], [{-0.0780982}], [{1.00246}], [{21.392}]
[{0.466145}], [{0.422351}], [{0.856205}], [{0.13185}], [{16.1393}]
[{0.394164}], [{0.322459}], [{0.550118}], [{0.764832}], [{15.8005}]

[[{0.621264}], [{0.692938}], [{0.977973}], [{0.208455}], [{23.206}]
 [[{0.373554}], [{0.432902}], [{0.239831}], [{0.581787}], [{17.1281}]
 [[{0.832168}], [{0.830831}], [{1.18186}], [{0.228799}], [{31.0279}]
 [[{0.551097}], [{1.22797}], [{0.742922}], [{1.43711}], [{37.5291}]
 [[{0.978211}], [{0.487098}], [{1.02753}], [{1.25254}], [{37.6271}]
 [[{1.48018}], [{1.29117}], [{0.823679}], [{0.919936}], [{67.6684}]
 [[{0.9537}], [{1.409}], [{1.75763}], [{1.06957}], [{82.409}]
 [[{1.58787}], [{1.33173}], [{0.922175}], [{1.63239}], [{90.0781}]
 [[{1.73981}], [{1.33962}], [{1.51449}], [{1.43594}], [{118.069}]
 [[{1.491}], [{1.94014}], [{1.12469}], [{1.9984}], [{142.369}]
 [[{1.65349}], [{1.76112}], [{2.22599}], [{1.47077}], [{182.794}]
 [[{1.69542}], [{1.83932}], [{1.65088}], [{1.90181}], [{176.612}]
 [[{1.6958}], [{2.37788}], [{2.27686}], [{2.18468}], [{299.481}]
 [[{1.82468}], [{1.66612}], [{2.06252}], [{2.13986}], [{204.334}]
 [[{1.95298}], [{1.7696}], [{2.51452}], [{2.0717}], [{253.164}]
 [[{2.49776}], [{2.04974}], [{2.44211}], [{2.49592}], [{374.607}]
 [[{2.5599}], [{2.03109}], [{2.17966}], [{2.71482}], [{366.983}]
 [[{2.23125}], [{2.12806}], [{1.68387}], [{2.56805}], [{287.216}]
 [[{2.21381}], [{3.02489}], [{2.99378}], [{2.40678}], [{585.33}]
 [[{2.44518}], [{2.45665}], [{2.65276}], [{2.62059}], [{471.512}]
 [[{2.55265}], [{2.50372}], [{2.59203}], [{2.51179}], [{480.904}]
 [[{2.56901}], [{2.8717}], [{2.80318}], [{2.86226}], [{619.649}]
 [[{2.41241}], [{2.65894}], [{3.59261}], [{3.2739}], [{689.088}]]

BE21B031

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0272319

Matrix Index 1 = 4, Matrix Index 2 = 2

Parameter No. = 3

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
 [[{-0.37271}], [{-0.238448}], [{0.304269}], [{-0.102887}], [{6.3138}]
 [[{-0.285352}], [{0.164179}], [{0.774028}], [{-0.161608}], [{4.32759}]
 [[{-0.255032}], [{-0.0753444}], [{-0.183076}], [{1.04362}], [{7.21137}]
 [[{0.94728}], [{-0.118275}], [{0.0462512}], [{0.19099}], [{18.9855}]
 [[{0.200463}], [{0.666937}], [{0.0852854}], [{0.101671}], [{13.9846}]
 [[{0.483687}], [{0.644326}], [{0.773699}], [{0.377753}], [{21.1231}]
 [[{1.19664}], [{0.539562}], [{0.53146}], [{0.449772}], [{29.3945}]
 [[{0.9708}], [{0.392083}], [{1.04393}], [{0.994367}], [{32.2009}]
 [[{1.17907}], [{1.03277}], [{0.493523}], [{0.965556}], [{47.4899}]
 [[{1.26744}], [{0.626109}], [{0.829833}], [{1.0516}], [{42.3244}]
 [[{0.837956}], [{0.453627}], [{0.716524}], [{0.940624}], [{27.1612}]
 [[{1.4265}], [{1.15335}], [{1.55314}], [{1.2503}], [{97.8987}]
 [[{1.02283}], [{0.947472}], [{0.924237}], [{0.942978}], [{47.8508}]
 [[{1.21586}], [{1.38241}], [{1.06933}], [{1.23326}], [{87.9776}]
 [[{1.51608}], [{1.75957}], [{1.46}], [{1.30947}], [{164.141}]
 [[{1.89113}], [{1.19981}], [{1.66145}], [{1.97655}], [{151.754}]
 [[{1.63395}], [{1.53171}], [{1.00538}], [{1.65818}], [{126.404}]
 [[{1.92117}], [{1.96342}], [{1.50843}], [{1.78403}], [{237.247}]
 [[{2.31524}], [{1.88337}], [{1.88589}], [{1.93047}], [{295.78}]
 [[{1.94768}], [{2.4163}], [{2.59648}], [{2.05719}], [{447.205}]
 [[{1.65407}], [{1.65666}], [{1.93699}], [{2.32805}], [{218.422}]
 [[{1.87357}], [{2.22834}], [{1.66916}], [{2.07521}], [{304.197}]
 [[{2.13911}], [{2.45649}], [{2.12507}], [{2.4428}], [{446.867}]]

```
[{3.14193}], [{2.5431}], [{2.57869}], [{2.79889}], [{712.679}]
[{2.36517}], [{2.60409}], [{2.40642}], [{2.93572}], [{589.172}]
[{2.59518}], [{2.76639}], [{2.23882}], [{2.88862}], [{644.803}]
[{2.41035}], [{2.27053}], [{3.0426}], [{2.7036}], [{568.899}]
[{3.07156}], [{2.87125}], [{3.0179}], [{2.32156}], [{852.539}]
[{2.89199}], [{2.96363}], [{2.99037}], [{2.02919}], [{827.485}]
[{3.30847}], [{2.97956}], [{2.77528}], [{2.13424}], [{881.615}]
```

BE21B032

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0411546

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{0.295653}], [{0.0924075}], [{0.187287}], [{-0.753655}], [{10.9894}]
[{0.155745}], [{0.36446}], [{0.267079}], [{0.178472}], [{9.92411}]
[{0.305921}], [{0.0496493}], [{0.525794}], [{0.480427}], [{14.886}]
[{0.295087}], [{0.467793}], [{0.0601272}], [{0.599829}], [{12.0123}]
[{0.24703}], [{0.0332553}], [{0.695377}], [{0.596524}], [{12.2802}]
[{0.647674}], [{0.225936}], [{0.600413}], [{0.557778}], [{17.0065}]
[{0.765069}], [{0.135674}], [{0.560135}], [{0.631407}], [{22.5355}]
[{0.379051}], [{0.66108}], [{0.423703}], [{0.893907}], [{17.5097}]
[{1.22515}], [{0.698056}], [{0.910674}], [{1.07683}], [{46.6547}]
[{1.00575}], [{0.805177}], [{0.546909}], [{0.557857}], [{32.0581}]
[{0.827746}], [{0.975801}], [{0.684886}], [{0.891304}], [{36.5412}]
[{0.715315}], [{1.36323}], [{1.22222}], [{1.05411}], [{56.2913}]
[{1.39905}], [{0.890014}], [{0.868872}], [{1.42836}], [{59.6756}]
[{1.42133}], [{1.71304}], [{1.06975}], [{1.29496}], [{105.865}]
[{1.18214}], [{1.4418}], [{1.88319}], [{1.00617}], [{100.071}]
[{1.69268}], [{1.49945}], [{1.64875}], [{1.3902}], [{132.408}]
[{1.46847}], [{2.30237}], [{1.77176}], [{1.69459}], [{213.306}]
[{1.69194}], [{1.45873}], [{1.4631}], [{1.98402}], [{136.995}]
[{1.77989}], [{1.90824}], [{1.094}], [{1.93187}], [{155.358}]
[{1.49083}], [{2.06648}], [{1.90278}], [{2.1701}], [{208.496}]
[{1.72206}], [{2.29851}], [{1.53052}], [{1.49913}], [{212.378}]
[{2.30962}], [{1.41516}], [{1.75647}], [{2.27883}], [{200.047}]
[{2.37259}], [{1.94948}], [{1.96224}], [{2.37934}], [{288.461}]
[{2.21022}], [{1.99628}], [{1.82133}], [{2.01257}], [{251.621}]
[{2.40601}], [{1.80643}], [{2.21084}], [{2.60441}], [{307.815}]
[{2.70097}], [{2.38121}], [{1.40339}], [{2.17646}], [{319.028}]
[{2.9191}], [{2.51904}], [{2.46114}], [{2.25284}], [{492.297}]
[{2.22757}], [{3.28078}], [{3.14164}], [{2.92623}], [{720.265}]
[{2.98763}], [{2.1642}], [{2.32899}], [{2.7837}], [{452.222}]
[{3.20747}], [{2.6517}], [{2.93598}], [{2.85195}], [{682.001}]
```

BE21B035

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0384143

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 3

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.572161}], [{0.196896}], [{-0.376175}], [{-0.3858}], [{3.23093}]
```

```

[{-0.224226}], [{0.00879107}], [{0.0971232}], [{0.139763}], [{9.04637}]
[{-0.219318}], [{0.326282}], [{0.937298}], [{-0.136622}], [{8.66461}]
[{0.374529}], [{0.123482}], [{0.226798}], [{0.365338}], [{12.6819}]
[{0.13973}], [{0.398875}], [{0.634773}], [{1.0338}], [{12.4953}]
[{0.376511}], [{0.756044}], [{-0.248077}], [{0.145119}], [{15.218}]
[{0.398094}], [{0.800576}], [{0.545836}], [{0.633903}], [{19.7307}]
[{0.239564}], [{0.655654}], [{0.797075}], [{0.517348}], [{18.1268}]
[{0.608854}], [{0.52898}], [{0.8051}], [{0.461762}], [{21.4716}]
[{1.16694}], [{0.790983}], [{0.407085}], [{0.692222}], [{34.7176}]
[{1.25144}], [{0.853261}], [{1.06614}], [{1.10568}], [{49.8706}]
[{1.11992}], [{1.63191}], [{0.609697}], [{1.13157}], [{67.0985}]
[{1.05644}], [{1.40263}], [{1.28072}], [{1.80529}], [{80.0482}]
[{0.856622}], [{1.55107}], [{0.98993}], [{0.9895}], [{62.422}]
[{2.03563}], [{1.57125}], [{1.44823}], [{0.879235}], [{123.381}]
[{1.52904}], [{1.58136}], [{1.1701}], [{2.00654}], [{116.259}]
[{1.85175}], [{1.9019}], [{1.52113}], [{0.881237}], [{150.243}]
[{2.13271}], [{1.69707}], [{1.6943}], [{1.68686}], [{176.198}]
[{1.71637}], [{1.5855}], [{1.58437}], [{1.63627}], [{133.572}]
[{2.11465}], [{2.41944}], [{1.93799}], [{2.14542}], [{301.849}]
[{1.8794}], [{1.45104}], [{2.292}], [{2.60333}], [{201.807}]
[{2.03471}], [{1.97}], [{2.56391}], [{2.03332}], [{268.776}]
[{2.69269}], [{2.07885}], [{2.4946}], [{1.89845}], [{332.943}]
[{2.88989}], [{2.40739}], [{2.70178}], [{2.52243}], [{478.816}]
[{2.15819}], [{3.2703}], [{2.73358}], [{2.7131}], [{584.696}]
[{2.18943}], [{3.07988}], [{3.01126}], [{2.71822}], [{578.96}]
[{2.18305}], [{2.78702}], [{2.53017}], [{2.96274}], [{469.601}]
[{3.19492}], [{2.64599}], [{3.05772}], [{2.58721}], [{627.238}]
[{2.86893}], [{2.7844}], [{2.22228}], [{3.27961}], [{552.112}]
[{3.40758}], [{2.57904}], [{2.89349}], [{2.6926}], [{627.568}]

```

BE21B036

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0369542

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 3

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{-0.106894}], [{0.316913}], [{0.00840765}], [{0.356803}], [{6.0106}]
[{0.0685233}], [{0.041293}], [{-0.14006}], [{1.09971}], [{8.10337}]
[{0.252349}], [{0.455893}], [{0.21076}], [{0.2716}], [{12.6835}]
[{0.357459}], [{0.891419}], [{-0.381521}], [{0.508852}], [{11.4703}]
[{0.0277119}], [{0.703154}], [{0.40414}], [{-0.315164}], [{11.5194}]
[{0.346698}], [{0.560013}], [{0.153498}], [{0.413482}], [{15.8612}]
[{0.505671}], [{0.313526}], [{0.912661}], [{1.04531}], [{20.1127}]
[{0.439823}], [{0.438471}], [{0.490688}], [{0.669595}], [{17.7554}]
[{0.726795}], [{1.06031}], [{0.665453}], [{1.18365}], [{39.0973}]
[{0.873403}], [{1.13196}], [{0.84103}], [{0.963245}], [{49.2799}]
[{1.3529}], [{1.19787}], [{1.1895}], [{1.24919}], [{83.1755}]
[{1.4376}], [{0.57398}], [{0.788305}], [{0.833504}], [{42.9856}]
[{1.17324}], [{0.696417}], [{0.798887}], [{0.912088}], [{42.4833}]
[{1.35231}], [{1.05929}], [{0.990049}], [{1.18781}], [{68.4871}]
[{1.5977}], [{1.15015}], [{1.17774}], [{1.09678}], [{87.4299}]
[{1.55127}], [{1.33096}], [{1.40523}], [{1.60132}], [{117.054}]
[{2.12022}], [{1.4092}], [{1.80358}], [{1.606}], [{179.502}]

```

[{1.96608}], [{1.13945}], [{2.40028}], [{1.80314}], [{178.604}]
[{2.14403}], [{1.33046}], [{1.2915}], [{1.39011}], [{135.71}]
[{1.9175}], [{2.15143}], [{1.934}], [{2.15537}], [{303.015}]
[{2.32777}], [{2.11291}], [{2.0493}], [{1.82091}], [{331.086}]
[{1.82679}], [{1.66473}], [{2.26562}], [{2.29822}], [{248.783}]
[{1.94713}], [{2.34597}], [{2.15903}], [{2.53284}], [{379.473}]
[{2.24336}], [{2.47722}], [{2.59711}], [{1.81457}], [{457.85}]
[{2.62672}], [{2.49008}], [{2.80019}], [{2.34174}], [{571.526}]
[{2.49712}], [{2.70599}], [{2.58513}], [{2.72556}], [{612.176}]
[{2.31087}], [{2.77208}], [{2.96152}], [{2.8623}], [{668.915}]
[{2.87898}], [{2.56783}], [{3.19344}], [{2.51556}], [{702.826}]
[{2.97079}], [{2.72668}], [{3.0315}], [{2.40122}], [{735.826}]
[{2.92766}], [{3.11191}], [{3.07014}], [{3.07156}], [{938.984}]

BE21B038

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0427867

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 2

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
[{0.0721938}], [{-0.0519421}], [{0.637439}], [{0.809405}], [{8.31459}]
[{0.589378}], [{0.46177}], [{-0.167962}], [{0.14154}], [{12.6121}]
[{0.240869}], [{0.659591}], [{0.589297}], [{0.485358}], [{14.9534}]
[{0.117745}], [{-0.141023}], [{0.141795}], [{0.136079}], [{7.9112}]
[{0.141475}], [{0.718955}], [{0.159327}], [{-0.0414811}], [{9.76026}]
[{0.89233}], [{1.22813}], [{0.200293}], [{0.0400508}], [{34.9712}]
[{0.996947}], [{0.321128}], [{0.707326}], [{0.714542}], [{19.2362}]
[{0.463175}], [{0.349633}], [{1.42512}], [{1.16666}], [{18.5368}]
[{1.16262}], [{1.19753}], [{0.862667}], [{0.23514}], [{51.1888}]
[{0.993391}], [{0.209265}], [{1.0261}], [{0.88569}], [{20.6577}]
[{0.786099}], [{1.33277}], [{0.571219}], [{1.12846}], [{43.807}]
[{1.34989}], [{0.571559}], [{1.1876}], [{0.848907}], [{38.796}]
[{1.34593}], [{1.31405}], [{1.20716}], [{1.39719}], [{79.082}]
[{1.47842}], [{0.904777}], [{1.94036}], [{1.05669}], [{68.3628}]
[{1.31067}], [{1.272}], [{1.31145}], [{0.87452}], [{73.8659}]
[{1.64204}], [{1.31955}], [{1.54148}], [{1.75374}], [{108.739}]
[{1.55347}], [{1.76778}], [{1.43632}], [{1.174}], [{138.213}]
[{1.66677}], [{1.58838}], [{2.1037}], [{1.64554}], [{158.407}]
[{1.76438}], [{1.63059}], [{1.79637}], [{2.45155}], [{173.427}]
[{1.63689}], [{2.29227}], [{1.75793}], [{2.1079}], [{249.484}]
[{2.32905}], [{1.97358}], [{1.67232}], [{2.36367}], [{255.521}]
[{1.70216}], [{2.48081}], [{2.7695}], [{2.17896}], [{373.47}]
[{2.12154}], [{2.22611}], [{1.85782}], [{1.64653}], [{278.812}]
[{1.97756}], [{2.17822}], [{1.87088}], [{2.42725}], [{277.483}]
[{2.83713}], [{2.45655}], [{2.34581}], [{1.75276}], [{443.238}]
[{2.38444}], [{2.32742}], [{3.3988}], [{2.22895}], [{471.378}]
[{2.87892}], [{2.2317}], [{2.36229}], [{2.32165}], [{415.074}]
[{2.98109}], [{2.29216}], [{2.28571}], [{2.69027}], [{448.009}]
[{2.24474}], [{2.23773}], [{3.004}], [{2.84667}], [{425.117}]
[{2.32047}], [{2.60254}], [{3.06952}], [{2.82165}], [{539.997}]

BE21B039

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0449104
Matrix Index 1 = 4, Matrix Index 2 = 1
Parameter No. = 3

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.124799}], [{-0.565102}], [{-0.338554}], [{0.0326989}], [{8.93352}]
[0.589868], [{0.108012}], [{0.330944}], [{-0.0146818}], [{16.5285}]
[0.0304284], [{0.680968}], [{-0.176515}], [{0.0575923}], [{11.18}]
[{-0.267461}], [{0.141994}], [{0.0348372}], [{0.398328}], [{7.48339}]
[0.233516], [{0.315288}], [{0.813612}], [{0.423532}], [{16.069}]
[{0.707092}], [{-0.0335835}], [{0.734274}], [{0.866429}], [{19.8515}]
[{0.059042}], [{0.928492}], [{0.85736}], [{0.726886}], [{19.1066}]
[{0.71325}], [{1.11059}], [{0.494449}], [{0.898299}], [{34.4293}]
[{0.391291}], [{0.596035}], [{1.07002}], [{0.471156}], [{23.8518}]
[{1.05109}], [{1.50669}], [{0.647972}], [{0.490337}], [{62.3446}]
[{1.49444}], [{0.708874}], [{0.902255}], [{1.44764}], [{55.3971}]
[{0.850448}], [{1.04611}], [{1.16272}], [{1.41756}], [{55.6311}]
[{0.674139}], [{1.46735}], [{0.953366}], [{1.3029}], [{62.1301}]
[{0.551183}], [{1.46599}], [{1.51543}], [{1.76121}], [{74.131}]
[{1.03597}], [{1.62793}], [{1.42613}], [{1.00902}], [{103.292}]
[{1.34582}], [{1.63113}], [{1.45551}], [{1.82481}], [{133.887}]
[{1.72568}], [{1.73522}], [{1.2261}], [{1.99874}], [{159.245}]
[{1.59279}], [{1.42179}], [{1.54318}], [{1.33129}], [{122.073}]
[{1.50401}], [{1.73998}], [{2.01815}], [{1.96647}], [{192.229}]
[{2.07818}], [{1.56784}], [{2.05092}], [{1.91916}], [{209.41}]
[{2.21553}], [{1.94902}], [{1.70917}], [{1.81544}], [{248.155}]
[{2.57764}], [{2.38054}], [{1.85444}], [{2.26993}], [{397.866}]
[{2.20224}], [{2.52593}], [{2.22707}], [{2.34028}], [{432.844}]
[{2.27214}], [{2.06668}], [{2.27031}], [{2.12069}], [{334.757}]
[{2.41375}], [{2.61388}], [{1.8385}], [{2.62772}], [{443.535}]
[{2.43153}], [{2.68245}], [{2.40267}], [{2.45088}], [{530.241}]
[{2.79359}], [{2.73097}], [{2.63273}], [{2.20157}], [{609.413}]
[{2.96}], [{3.05061}], [{2.26849}], [{2.8578}], [{724.812}]
[{3.04771}], [{2.56916}], [{2.82545}], [{2.95559}], [{680.894}]
[{2.78814}], [{2.7339}], [{2.76772}], [{2.79887}], [{669.351}]
```

BE21B044

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0133205
Matrix Index 1 = 3, Matrix Index 2 = 3
Parameter No. = 3

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{0.393004}], [{0.253277}], [{-0.379303}], [{-0.0546086}], [{15.863}]
[{-0.487368}], [{-0.579714}], [{0.19307}], [{-0.329761}], [{3.72189}]
[{0.331685}], [{0.520932}], [{0.126669}], [{0.238923}], [{15.9856}]
[{-0.0452831}], [{-0.312305}], [{-0.149318}], [{0.191825}], [{7.76393}]
[{0.66186}], [{0.162317}], [{0.0320474}], [{0.712009}], [{19.2007}]
[{0.316589}], [{0.336821}], [{0.599842}], [{0.760375}], [{15.6036}]
[{0.556516}], [{0.833844}], [{0.732131}], [{0.297501}], [{28.2442}]
[{0.501111}], [{0.849033}], [{0.865967}], [{0.804614}], [{30.5639}]
[{0.930551}], [{0.956832}], [{1.10243}], [{0.838208}], [{50.719}]
[{0.79448}], [{0.97588}], [{1.09303}], [{0.92792}], [{47.3141}]
[{0.587176}], [{0.702665}], [{0.741868}], [{0.761987}], [{27.8923}]]
```

[{1.32456}], [{1.04593}], [{0.965092}], [{0.927309}], [{65.287}]
[0.782849]], [{1.2504}], [{1.24616}], [{1.41338}], [{68.1952}]
[{1.48045}], [{0.666506}], [{2.30066}], [{1.15434}], [{88.4152}]
[{1.44547}], [{0.927219}], [{0.807864}], [{1.48067}], [{65.8599}]
[{2.01151}], [{1.37204}], [{1.86669}], [{1.41243}], [{162.922}]
[{2.34762}], [{1.77743}], [{1.01884}], [{1.68499}], [{185.822}]
[{1.99422}], [{1.40267}], [{2.35954}], [{2.16699}], [{229.204}]
[{2.36286}], [{1.74432}], [{1.96453}], [{2.00631}], [{267.901}]
[{1.72012}], [{2.2996}], [{2.29599}], [{1.90226}], [{322.509}]
[{1.76877}], [{1.38426}], [{1.80152}], [{1.78749}], [{161.45}]
[{1.9807}], [{2.39176}], [{1.75941}], [{1.96134}], [{319.195}]
[{2.16089}], [{2.57738}], [{2.08336}], [{2.63048}], [{440.056}]
[{2.63322}], [{2.75622}], [{2.46862}], [{2.6246}], [{603.63}]
[{2.5161}], [{2.09454}], [{2.17918}], [{2.13514}], [{366.038}]
[{2.32311}], [{2.44506}], [{2.21709}], [{2.41806}], [{437.612}]
[{2.60407}], [{2.59189}], [{3.09568}], [{2.49861}], [{633.849}]
[{2.97685}], [{2.58704}], [{3.15876}], [{2.95775}], [{744.659}]
[{2.87058}], [{3.0449}], [{3.10899}], [{3.26054}], [{899.858}]
[{2.97737}], [{2.57434}], [{3.12472}], [{2.49815}], [{691.054}]

BS21B001

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0407914

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@[{ Y }]
[-0.294552], [-0.451909], [{0.0405341}], [{0.251093}], [{7.00995}]
[{0.0191614}], [{0.380096}], [-0.329352], [{0.0561375}], [{10.3841}]
[-0.128667], [{0.158836}], [{0.2411}], [-0.173908], [{10.3381}]
[{0.438612}], [{0.722672}], [-0.396293], [{0.466878}], [{16.488}]
[{0.401612}], [{0.6244}], [{0.825295}], [{0.604137}], [{20.2453}]
[{0.80184}], [{0.780697}], [{0.818473}], [{0.76473}], [{34.8012}]
[{0.494445}], [{0.450682}], [{0.622041}], [{0.459792}], [{21.0684}]
[{0.728193}], [{0.6979}], [{0.999504}], [{0.679214}], [{29.6651}]
[{0.688115}], [{0.828568}], [{0.424356}], [{0.321602}], [{26.1222}]
[{0.951489}], [{1.41927}], [{1.00731}], [{0.931295}], [{62.2326}]
[{0.774628}], [{1.02232}], [{1.19025}], [{0.659641}], [{42.9589}]
[{1.14495}], [{1.05597}], [{1.14778}], [{1.50508}], [{61.6956}]
[{1.25656}], [{1.72784}], [{1.1633}], [{0.972786}], [{100.369}]
[{0.808253}], [{1.69994}], [{0.538893}], [{0.899604}], [{57.4652}]
[{1.4069}], [{1.18069}], [{1.24055}], [{1.37039}], [{78.4416}]
[{1.3725}], [{1.36387}], [{1.53315}], [{1.32413}], [{95.2444}]
[{1.56459}], [{1.99442}], [{0.943753}], [{0.882776}], [{132.005}]
[{1.64522}], [{1.38831}], [{1.76311}], [{1.39592}], [{119.304}]
[{1.52223}], [{1.93398}], [{2.33518}], [{1.93269}], [{205.134}]
[{1.57747}], [{1.26984}], [{1.84548}], [{1.33263}], [{105.647}]
[{1.52588}], [{2.14324}], [{2.27879}], [{2.22807}], [{237.868}]
[{1.28949}], [{2.27357}], [{1.95161}], [{1.85491}], [{204.271}]
[{2.66269}], [{2.19681}], [{2.38339}], [{2.55428}], [{384.929}]
[{2.10204}], [{2.25258}], [{2.25875}], [{2.31667}], [{313.488}]
[{2.46585}], [{2.76933}], [{1.8947}], [{2.88721}], [{445.153}]
[{2.40525}], [{2.66122}], [{1.95969}], [{2.42611}], [{403.989}]
[{2.35883}], [{2.4272}], [{2.67898}], [{2.80135}], [{433.929}]]

```
[{2.52707}], [{2.19844}], [{2.5957}], [{2.92847}], [{406.316}]
[{3.30172}], [{2.92162}], [{2.94503}], [{2.9027}], [{739.248}]
[{3.20151}], [{2.58238}], [{2.58171}], [{2.91403}], [{580.149}]
```

BS21B003

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0414048

Matrix Index 1 = 3, Matrix Index 2 = 4

Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.0263385}], [{0.636666}], [{-0.197222}], [{0.0584312}], [{7.76997}]
[{{0.0115743}}, [{-0.258701}], [{-0.428661}], [{0.339064}], [{7.73965}]
[{{0.40998}}, [{-0.153326}], [{-0.0465617}], [{-0.175673}], [{12.3615}]
[{{0.507852}}, [{0.524081}], [{0.165392}], [{0.299421}], [{15.1875}]
[{{0.84419}}, [{0.136737}], [{0.809479}], [{-0.060252}], [{18.3318}]
[{{0.589015}}, [{1.05924}], [{0.316125}], [{-0.148164}], [{26.0638}]
[{{0.429826}}, [{0.290334}], [{0.782148}], [{0.0475274}], [{14.7604}]
[{{1.05726}}, [{0.392378}], [{0.63887}], [{0.961952}], [{29.1605}]
[{{0.226622}}, [{1.70113}], [{0.685187}], [{0.79615}], [{43.5414}]
[{{0.740825}}, [{0.795738}], [{1.18154}], [{1.10268}], [{36.3084}]
[{{1.47496}}, [{0.693617}], [{0.923249}], [{1.23594}], [{47.5651}]
[{{0.973755}}, [{1.11251}], [{1.33793}], [{1.15879}], [{62.5087}]
[{{1.13079}}, [{1.24983}], [{1.64534}], [{1.03602}], [{82.7643}]
[{{1.06982}}, [{1.14846}], [{1.27753}], [{1.2473}], [{66.5832}]
[{{1.33842}}, [{0.985764}], [{1.81218}], [{0.857846}], [{72.5714}]
[{{1.25903}}, [{1.37074}], [{1.71785}], [{1.52727}], [{108.774}]
[{{1.52105}}, [{1.99636}], [{1.81258}], [{1.38363}], [{198.042}]
[{{1.29088}}, [{1.77899}], [{1.67738}], [{1.86974}], [{156.96}]
[{{1.9493}}, [{2.03753}], [{1.48861}], [{1.78225}], [{213.703}]
[{{1.94263}}, [{1.8796}], [{2.10483}], [{2.10931}], [{246.96}]
[{{2.02526}}, [{2.322}], [{1.89228}], [{1.96217}], [{307.323}]
[{{1.62207}}, [{2.97791}], [{2.30364}], [{2.2178}], [{474.747}]
[{{2.38322}}, [{1.80882}], [{2.36648}], [{2.13668}], [{289.445}]
[{{1.41284}}, [{2.25209}], [{2.20581}], [{2.50784}], [{287.779}]
[{{2.28302}}, [{2.35822}], [{2.52155}], [{2.66893}], [{434.541}]
[{{2.57496}}, [{1.728}], [{2.51801}], [{2.5796}], [{319.775}]
[{{2.3136}}, [{2.52219}], [{1.87984}], [{2.23986}], [{380.544}]
[{{2.91645}}, [{2.5284}], [{2.3693}], [{2.94091}], [{539.016}]
[{{2.94532}}, [{2.57869}], [{2.76588}], [{2.87002}], [{613.9}]
[{{2.8378}}, [{2.97315}], [{3.21106}], [{3.04259}], [{821.913}]]
```

BS21B004

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0297456

Matrix Index 1 = 3, Matrix Index 2 = 5

Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.283668}], [{0.5267}], [{-0.697367}], [{0.15884}], [{4.33194}]
[{{0.579953}}, [{0.419684}], [{0.945417}], [{-0.0849136}], [{20.4117}]
[{{0.60442}}, [{-0.0678139}], [{-0.39126}], [{-0.049495}], [{17.6378}]
[{{-0.0773174}}, [{0.324194}], [{0.794392}], [{0.184172}], [{10.8097}]
[{{-0.118021}}, [{0.604848}], [{0.133521}], [{0.227688}], [{9.97397}]]
```

[{0.333455}], [{0.402734}], [{1.0253}], [{0.883093}], [{19.3499}]
 [{0.247242}], [{0.531887}], [{0.751644}], [{0.777515}], [{18.8601}]
 [{0.0719159}], [{1.11536}], [{0.260101}], [{0.803823}], [{16.6957}]
 [{0.379092}], [{1.1128}], [{0.486211}], [{0.768787}], [{25.8437}]
 [{1.04125}], [{0.857227}], [{0.871913}], [{0.909535}], [{41.298}]
 [{0.911369}], [{1.22569}], [{1.00244}], [{0.842067}], [{55.0646}]
 [{1.32595}], [{1.36721}], [{1.55456}], [{1.24258}], [{102.889}]
 [{1.6015}], [{1.24445}], [{1.00965}], [{0.766534}], [{77.1325}]
 [{1.73996}], [{1.18504}], [{1.7246}], [{1.20905}], [{106.093}]
 [{0.893401}], [{1.05989}], [{2.14121}], [{0.712806}], [{65.1782}]
 [{1.19739}], [{1.35722}], [{1.49287}], [{1.80886}], [{101.32}]
 [{1.3006}], [{1.35598}], [{1.74238}], [{1.86572}], [{114.763}]
 [{2.07571}], [{2.27183}], [{1.75126}], [{1.66366}], [{284.962}]
 [{1.32592}], [{1.5124}], [{1.85641}], [{1.93168}], [{138.412}]
 [{1.24573}], [{1.93441}], [{1.9895}], [{1.95705}], [{187.35}]
 [{1.64628}], [{1.64031}], [{1.62096}], [{1.89108}], [{158.737}]
 [{0.981576}], [{2.3775}], [{2.1097}], [{2.0036}], [{234.516}]
 [{1.58732}], [{1.9747}], [{2.28886}], [{1.84149}], [{237.441}]
 [{2.00279}], [{2.12752}], [{1.9532}], [{2.37941}], [{292.59}]
 [{2.33865}], [{2.36818}], [{2.14841}], [{2.67656}], [{404.979}]
 [{2.52364}], [{2.37434}], [{2.60011}], [{1.97984}], [{441.451}]
 [{2.62873}], [{2.34023}], [{2.53049}], [{2.36919}], [{458.717}]
 [{2.65408}], [{2.38778}], [{2.66101}], [{2.81868}], [{515.205}]
 [{2.91274}], [{2.73573}], [{2.8098}], [{2.30235}], [{636.583}]
 [{3.52868}], [{2.91494}], [{3.06409}], [{2.92763}], [{886.788}]

BS21B005

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.01871

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 1

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
 [{-0.427293}], [{-0.160538}], [{0.488529}], [{-0.709234}], [{6.62689}]
 [{-0.258448}], [{-0.129186}], [{0.0390266}], [{-0.386451}], [{6.79782}]
 [{0.368321}], [{-0.511938}], [{-0.0410601}], [{0.00428454}], [{13.0286}]
 [{0.554558}], [{0.288743}], [{0.350106}], [{0.189499}], [{14.6431}]
 [{0.343383}], [{0.963111}], [{0.366286}], [{0.821532}], [{17.7358}]
 [{0.688033}], [{0.584366}], [{0.348339}], [{0.41662}], [{18.7972}]
 [{0.393705}], [{0.637254}], [{0.996274}], [{0.285881}], [{18.5546}]
 [{0.60287}], [{1.30953}], [{1.29528}], [{0.706289}], [{49.7822}]
 [{0.230567}], [{0.697921}], [{0.384036}], [{0.923919}], [{15.4345}]
 [{0.578223}], [{0.803197}], [{1.22359}], [{1.00184}], [{30.651}]
 [{0.557024}], [{1.31545}], [{0.65707}], [{1.76892}], [{39.4113}]
 [{0.853086}], [{0.93823}], [{0.9412}], [{1.63948}], [{43.3339}]
 [{1.14643}], [{1.27476}], [{1.11787}], [{1.10403}], [{67.0227}]
 [{1.23028}], [{1.25131}], [{1.5902}], [{1.458}], [{88.5628}]
 [{1.31123}], [{2.02523}], [{1.61705}], [{0.70888}], [{152.4}]
 [{1.47113}], [{1.39986}], [{1.2832}], [{1.84663}], [{106.898}]
 [{1.53338}], [{1.76376}], [{1.28028}], [{1.65629}], [{137.94}]
 [{1.58709}], [{1.54915}], [{1.56374}], [{1.27737}], [{126.799}]
 [{1.80004}], [{1.97816}], [{1.83396}], [{2.39374}], [{240.387}]
 [{2.18566}], [{2.17514}], [{2.20137}], [{1.68373}], [{311.958}]
 [{2.04867}], [{2.04969}], [{2.09847}], [{1.93873}], [{276.842}]

```
[{2.48184}], [{1.82409}], [{1.8782}], [{2.15246}], [{272.608}]
[{1.56901}], [{2.213}], [{1.92678}], [{2.01499}], [{246.972}]
[{2.44448}], [{2.56647}], [{2.89837}], [{2.48544}], [{542.779}]
[{2.29145}], [{2.49328}], [{2.6755}], [{2.18092}], [{457.287}]
[{2.51445}], [{2.30274}], [{2.59684}], [{1.80833}], [{409.924}]
[{3.29653}], [{2.15587}], [{2.59376}], [{2.83583}], [{547.016}]
[{2.49149}], [{3.14932}], [{2.70041}], [{2.97066}], [{730.45}]
[{3.09868}], [{2.89027}], [{2.96081}], [{2.9544}], [{801.266}]
[{2.52263}], [{3.24639}], [{2.95987}], [{3.4934}], [{849.475}]
```

BS21B006

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0296898

Matrix Index 1 = 2, Matrix Index 2 = 4

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{-0.0660063}], [{0.380931}], [{-0.0393685}], [{-0.589871}], [{7.83668}]
[{0.562852}], [{0.417945}], [{-0.041196}], [{-0.131787}], [{16.6123}]
[{-0.100077}], [{0.10621}], [{0.337412}], [{0.24136}], [{9.46695}]
[{0.0512228}], [{0.164781}], [{0.264947}], [{-0.38159}], [{9.51113}]
[{1.02636}], [{0.278866}], [{0.391523}], [{0.290185}], [{26.2809}]
[{0.929644}], [{0.38524}], [{0.520318}], [{0.757689}], [{27.0091}]
[{0.373042}], [{0.317635}], [{0.436549}], [{0.843167}], [{13.3245}]
[{1.21865}], [{0.188117}], [{0.851366}], [{0.988122}], [{34.6211}]
[{1.04272}], [{0.882347}], [{1.33453}], [{1.18024}], [{55.1835}]
[{0.623585}], [{1.04699}], [{1.20977}], [{0.796787}], [{45.146}]
[{1.3635}], [{1.14242}], [{1.47901}], [{1.40873}], [{90.5377}]
[{1.31559}], [{1.11836}], [{0.886471}], [{1.33485}], [{69.3352}]
[{1.30695}], [{0.807443}], [{1.46185}], [{1.14395}], [{65.8599}]
[{1.59048}], [{1.24695}], [{1.02815}], [{0.934712}], [{83.9175}]
[{1.54154}], [{1.91886}], [{1.46122}], [{1.13155}], [{156.319}]
[{1.13399}], [{1.79285}], [{1.77272}], [{1.52349}], [{140.959}]
[{2.05388}], [{1.63975}], [{1.44436}], [{1.82161}], [{177.806}]
[{1.44314}], [{1.87748}], [{1.81801}], [{1.50799}], [{172.794}]
[{1.89276}], [{2.0525}], [{1.45289}], [{1.38885}], [{203.216}]
[{1.84145}], [{2.36119}], [{2.08614}], [{1.89927}], [{306.891}]
[{1.84493}], [{2.18611}], [{1.44981}], [{2.10767}], [{233.941}]
[{1.98878}], [{2.46684}], [{1.79169}], [{2.30774}], [{331.753}]
[{2.47253}], [{1.33104}], [{1.72174}], [{1.99379}], [{196.605}]
[{1.91199}], [{2.31436}], [{2.89889}], [{1.99687}], [{380.339}]
[{2.09122}], [{2.36496}], [{2.82772}], [{2.043}], [{409.357}]
[{1.83748}], [{2.33605}], [{2.92426}], [{2.06465}], [{382.769}]
[{2.90266}], [{2.36852}], [{2.60697}], [{2.38883}], [{515.018}]
[{2.39092}], [{2.87687}], [{3.1167}], [{2.38309}], [{635.874}]
[{3.26349}], [{2.64329}], [{2.23624}], [{2.71389}], [{608.102}]
[{3.52222}], [{2.77979}], [{2.91209}], [{2.34584}], [{758.494}]
```

BS21B007

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0290626

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 1

```

[%{ X1 }, [{ X2 } &], [{ X3 }], [{ X4 } $], [@{ Y }]
[ {0.455676} ], [ { -0.0936111} ], [ { -0.56528} ], [ { -0.131072} ], [ { 17.6608} ]
[ {0.0933071} ], [ { 0.321979} ], [ { 0.641308} ], [ { 0.318188} ], [ { 14.1805} ]
[ {0.0837727} ], [ { 0.763389} ], [ { 0.0897675} ], [ { 0.206915} ], [ { 13.715} ]
[ { -0.161844} ], [ { -0.133321} ], [ { 0.364126} ], [ { -0.140134} ], [ { 11.4753} ]
[ { 0.287793} ], [ { 0.0518127} ], [ { 0.423513} ], [ { 0.466799} ], [ { 13.4746} ]
[ { 0.677378} ], [ { 0.70908} ], [ { 0.113333} ], [ { 1.33036} ], [ { 22.2334} ]
[ { 0.492492} ], [ { 0.860796} ], [ { 0.671378} ], [ { 1.2476} ], [ { 30.0264} ]
[ { 0.476074} ], [ { 0.333843} ], [ { 0.691804} ], [ { 0.923427} ], [ { 22.174} ]
[ { 0.852531} ], [ { 0.588487} ], [ { 1.11002} ], [ { 0.991865} ], [ { 35.3409} ]
[ { 1.00596} ], [ { 0.565174} ], [ { 1.14699} ], [ { 0.907377} ], [ { 38.4378} ]
[ { 0.950094} ], [ { 1.20451} ], [ { 1.44641} ], [ { 0.685428} ], [ { 64.7567} ]
[ { 1.13091} ], [ { 0.970368} ], [ { 0.943618} ], [ { 1.2318} ], [ { 55.1048} ]
[ { 1.50438} ], [ { 1.46515} ], [ { 0.997948} ], [ { 1.11302} ], [ { 92.8794} ]
[ { 1.46237} ], [ { 1.12367} ], [ { 0.892518} ], [ { 1.47636} ], [ { 75.18} ]
[ { 1.46231} ], [ { 1.33168} ], [ { 1.66106} ], [ { 1.83285} ], [ { 126.855} ]
[ { 2.05259} ], [ { 1.27072} ], [ { 1.71677} ], [ { 1.0663} ], [ { 128.477} ]
[ { 1.36743} ], [ { 1.81494} ], [ { 1.84013} ], [ { 1.62444} ], [ { 168.723} ]
[ { 1.97804} ], [ { 1.76486} ], [ { 1.58274} ], [ { 1.37919} ], [ { 179.951} ]
[ { 1.41961} ], [ { 2.28057} ], [ { 1.46977} ], [ { 1.53336} ], [ { 197.964} ]
[ { 1.91377} ], [ { 2.01229} ], [ { 2.0805} ], [ { 1.84343} ], [ { 263.861} ]
[ { 2.19161} ], [ { 2.21333} ], [ { 1.81492} ], [ { 1.19939} ], [ { 263.811} ]
[ { 1.94309} ], [ { 2.1234} ], [ { 1.97304} ], [ { 2.2194} ], [ { 287.376} ]
[ { 2.4725} ], [ { 2.42001} ], [ { 2.86133} ], [ { 2.49929} ], [ { 521.501} ]
[ { 1.87579} ], [ { 2.218} ], [ { 2.19844} ], [ { 2.30332} ], [ { 319.649} ]
[ { 2.95461} ], [ { 2.58765} ], [ { 2.26898} ], [ { 2.66311} ], [ { 560.646} ]
[ { 2.10546} ], [ { 2.97271} ], [ { 3.09756} ], [ { 2.28663} ], [ { 620.373} ]
[ { 2.76488} ], [ { 1.95818} ], [ { 2.99162} ], [ { 2.61453} ], [ { 484.319} ]
[ { 3.06599} ], [ { 2.38681} ], [ { 2.18257} ], [ { 2.46678} ], [ { 499.461} ]
[ { 2.91973} ], [ { 2.68223} ], [ { 2.74151} ], [ { 2.44521} ], [ { 634.185} ]
[ { 2.74669} ], [ { 2.89902} ], [ { 2.7467} ], [ { 3.23347} ], [ { 734.407} ]

```

BS21B008

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0488668

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 1

```

[%{ X1 }, [{ X2 } &], [{ X3 }], [{ X4 } $], [@{ Y }]
[ { -0.0343943} ], [ { 0.0949169} ], [ { -0.0398732} ], [ { 0.248156} ], [ { 12.0436} ]
[ { 0.435711} ], [ { -0.0967354} ], [ { 0.0401504} ], [ { -0.357407} ], [ { 17.1351} ]
[ { 0.575986} ], [ { -0.032668} ], [ { -0.0351644} ], [ { 0.250175} ], [ { 16.3121} ]
[ { -0.315929} ], [ { 0.616511} ], [ { 0.19525} ], [ { -0.449138} ], [ { 10.6785} ]
[ { 0.388566} ], [ { 0.346821} ], [ { 0.659135} ], [ { 0.365898} ], [ { 16.8126} ]
[ { 0.323512} ], [ { -0.0774036} ], [ { 1.05756} ], [ { 0.228647} ], [ { 15.948} ]
[ { 0.278818} ], [ { 0.836843} ], [ { 0.788023} ], [ { 0.868376} ], [ { 24.0172} ]
[ { 0.74719} ], [ { 0.437848} ], [ { 0.700157} ], [ { 0.922389} ], [ { 28.5061} ]
[ { 0.654597} ], [ { 0.980761} ], [ { 1.27297} ], [ { 1.12467} ], [ { 47.4432} ]
[ { 0.891822} ], [ { 0.645275} ], [ { 0.630374} ], [ { 0.964781} ], [ { 32.6834} ]
[ { 1.07395} ], [ { 0.674875} ], [ { 0.649692} ], [ { 0.627475} ], [ { 35.0056} ]
[ { 0.646743} ], [ { 0.532999} ], [ { 0.414639} ], [ { 1.05518} ], [ { 24.1867} ]
[ { 1.36536} ], [ { 1.53288} ], [ { 1.51569} ], [ { 1.02338} ], [ { 119.398} ]
[ { 1.03777} ], [ { 0.930721} ], [ { 1.19495} ], [ { 1.14955} ], [ { 56.3584} ]
[ { 1.68181} ], [ { 1.42808} ], [ { 1.57146} ], [ { 1.79373} ], [ { 144.355} ]

```

```

[ {1.64749} ], [ {1.20544} ], [ {1.36459} ], [ {1.22932} ], [ {101.058} ]
[ {1.55237} ], [ {1.34074} ], [ {1.67994} ], [ {1.8806} ], [ {137.236} ]
[ {2.03741} ], [ {1.13972} ], [ {1.20665} ], [ {1.47154} ], [ {112.664} ]
[ {1.91268} ], [ {1.7503} ], [ {1.92464} ], [ {1.69539} ], [ {216.359} ]
[ {1.96327} ], [ {1.43963} ], [ {1.78474} ], [ {1.15864} ], [ {156.011} ]
[ {2.02888} ], [ {2.02872} ], [ {1.9678} ], [ {1.9875} ], [ {284.021} ]
[ {1.96287} ], [ {2.04675} ], [ {1.17286} ], [ {2.10271} ], [ {215.196} ]
[ {2.51756} ], [ {2.68327} ], [ {2.02354} ], [ {2.05848} ], [ {484.705} ]
[ {2.50919} ], [ {2.26659} ], [ {2.48952} ], [ {1.63063} ], [ {410.864} ]
[ {2.39989} ], [ {2.67541} ], [ {2.56699} ], [ {2.43936} ], [ {560.91} ]
[ {2.41979} ], [ {2.15268} ], [ {2.10693} ], [ {2.05294} ], [ {359.783} ]
[ {3.19547} ], [ {2.83317} ], [ {2.40417} ], [ {2.83465} ], [ {725.818} ]
[ {2.13627} ], [ {2.74418} ], [ {2.4767} ], [ {3.04687} ], [ {562.935} ]
[ {2.38638} ], [ {2.85355} ], [ {3.23915} ], [ {2.49447} ], [ {717.282} ]
[ {3.20725} ], [ {3.47176} ], [ {2.6972} ], [ {3.1795} ], [ {1061.27} ]

```

BS21B009

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0491109

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 2

```

[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[ {0.028957} ], [ {0.0859778} ], [ {0.34458} ], [ {-0.230341} ], [ {10.0713} ]
[ {-0.103128} ], [ {-0.181543} ], [ {0.0457179} ], [ {-0.191214} ], [ {9.12318} ]
[ {0.20351} ], [ {0.206935} ], [ {0.400954} ], [ {-0.0511646} ], [ {11.6965} ]
[ {0.335019} ], [ {0.0913435} ], [ {0.470567} ], [ {0.179931} ], [ {13.5568} ]
[ {-0.436647} ], [ {-0.0875758} ], [ {0.414387} ], [ {0.601183} ], [ {4.88086} ]
[ {0.323601} ], [ {0.561783} ], [ {0.577735} ], [ {0.373588} ], [ {16.5062} ]
[ {0.476509} ], [ {0.0683347} ], [ {0.316842} ], [ {0.11565} ], [ {14.8448} ]
[ {0.470122} ], [ {0.772779} ], [ {0.154864} ], [ {0.289075} ], [ {18.0304} ]
[ {0.847743} ], [ {0.427656} ], [ {0.871053} ], [ {1.37936} ], [ {32.6054} ]
[ {0.836557} ], [ {1.23957} ], [ {0.147286} ], [ {1.08056} ], [ {34.0624} ]
[ {1.23693} ], [ {1.51784} ], [ {1.0408} ], [ {0.875879} ], [ {86.4065} ]
[ {0.411301} ], [ {1.14284} ], [ {1.12862} ], [ {0.611195} ], [ {41.1858} ]
[ {1.25731} ], [ {1.7601} ], [ {1.0643} ], [ {0.932039} ], [ {108.111} ]
[ {1.18006} ], [ {1.02731} ], [ {1.30968} ], [ {1.59019} ], [ {72.5106} ]
[ {1.10485} ], [ {0.886953} ], [ {0.990913} ], [ {1.35227} ], [ {49.7052} ]
[ {1.72196} ], [ {1.55951} ], [ {1.98252} ], [ {1.91853} ], [ {182.067} ]
[ {1.93063} ], [ {1.91792} ], [ {1.25613} ], [ {1.15196} ], [ {170.768} ]
[ {1.96022} ], [ {1.79992} ], [ {1.33672} ], [ {1.80299} ], [ {181.001} ]
[ {2.15128} ], [ {1.90101} ], [ {1.35378} ], [ {1.59835} ], [ {200.575} ]
[ {2.05054} ], [ {2.34208} ], [ {1.97511} ], [ {1.88086} ], [ {328.891} ]
[ {1.39955} ], [ {1.76199} ], [ {1.97099} ], [ {2.60916} ], [ {201.325} ]
[ {1.90271} ], [ {1.93919} ], [ {2.14653} ], [ {1.66591} ], [ {252.096} ]
[ {1.90054} ], [ {2.29835} ], [ {1.29755} ], [ {2.52848} ], [ {255.705} ]
[ {2.09751} ], [ {2.3135} ], [ {2.89721} ], [ {2.58555} ], [ {459.152} ]
[ {2.6632} ], [ {2.79463} ], [ {2.49319} ], [ {2.22877} ], [ {586.701} ]
[ {2.37276} ], [ {2.21377} ], [ {2.28818} ], [ {2.49419} ], [ {395.783} ]
[ {2.57716} ], [ {2.72588} ], [ {2.46139} ], [ {3.05834} ], [ {598.72} ]
[ {2.81677} ], [ {2.49618} ], [ {2.61766} ], [ {2.90525} ], [ {583.581} ]
[ {2.4715} ], [ {2.79163} ], [ {2.78295} ], [ {2.91756} ], [ {647.216} ]
[ {2.98061} ], [ {3.32644} ], [ {2.97386} ], [ {3.02016} ], [ {964.063} ]

```

BS21B010

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0199069

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.324942}},[{{-0.0824797}}],[{{-0.119921}}],[{{0.183703}}],[{{13.119}}]
[{{0.145126}},[{{-0.00886239}}],[{{0.178491}}],[{{0.280126}}],[{{9.79339}}]
[{{-0.0601577}},[{{0.333752}}],[{{-0.120967}}],[{{-0.0996585}}],[{{9.75607}}]
[{{0.176321}},[{{0.553069}}],[{{0.545617}}],[{{0.360977}}],[{{13.141}}]
[{{0.183476}},[{{0.461038}}],[{{-0.0830464}}],[{{0.358394}}],[{{12.2321}}]
[{{0.736957}},[{{0.316572}}],[{{0.508861}}],[{{0.621977}}],[{{18.2906}}]
[{{0.832549}},[{{1.10785}}],[{{0.175841}}],[{{0.31256}}],[{{25.4194}}]
[{{0.31125}},[{{0.530543}}],[{{0.867766}}],[{{0.942929}}],[{{16.6191}}]
[{{1.21269}},[{{1.22829}}],[{{0.991007}}],[{{0.985625}}],[{{53.1042}}]
[{{0.189172}},[{{0.836915}}],[{{1.3103}}],[{{0.615333}}],[{{20.9331}}]
[{{0.789932}},[{{1.16235}}],[{{1.05861}}],[{{1.13832}}],[{{43.0069}}]
[{{1.10846}},[{{1.05769}}],[{{0.846861}}],[{{1.5991}}],[{{43.8517}}]
[{{1.22438}},[{{1.02459}}],[{{0.924019}}],[{{0.650462}}],[{{41.4475}}]
[{{1.32651}},[{{1.14401}}],[{{0.777945}}],[{{1.61089}}],[{{53.1924}}]
[{{1.98831}},[{{1.03362}}],[{{1.2673}}],[{{1.12182}}],[{{71.8403}}]
[{{1.4708}},[{{2.05988}}],[{{1.71465}}],[{{1.26576}}],[{{153.549}}]
[{{1.54645}},[{{1.4941}}],[{{2.35706}}],[{{1.36978}}],[{{126.593}}]
[{{1.64889}},[{{1.25316}}],[{{1.37961}}],[{{1.63112}}],[{{84.2498}}]
[{{2.12718}},[{{1.38137}}],[{{1.73606}}],[{{1.9083}}],[{{131.121}}]
[{{1.75838}},[{{2.08468}}],[{{1.72878}}],[{{1.91319}}],[{{185.65}}]
[{{1.98993}},[{{2.5622}}],[{{2.36324}}],[{{1.76348}}],[{{315.194}}]
[{{2.31374}},[{{1.59958}}],[{{1.98809}}],[{{1.57979}}],[{{163.845}}]
[{{2.69163}},[{{2.56207}}],[{{2.49081}}],[{{2.16929}}],[{{400.709}}]
[{{1.66425}},[{{2.21303}}],[{{2.3684}}],[{{2.75716}}],[{{257.404}}]
[{{2.37761}},[{{2.5105}}],[{{2.31169}}],[{{2.2564}}],[{{349.985}}]
[{{2.8453}},[{{2.50579}}],[{{2.80625}}],[{{2.0319}}],[{{427.262}}]
[{{2.53797}},[{{2.08071}}],[{{2.70423}}],[{{2.93275}}],[{{345.243}}]
[{{2.94366}},[{{2.45436}}],[{{2.7377}}],[{{2.55567}}],[{{444.372}}]
[{{2.45394}},[{{2.55232}}],[{{2.56636}}],[{{2.92086}}],[{{412.692}}]
[{{2.86363}},[{{2.9982}}],[{{2.74744}}],[{{3.39742}}],[{{616.91}}]
```

BS21B012

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0335871

Matrix Index 1 = 3, Matrix Index 2 = 5

Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.139509}},[{{-0.429773}}],[{{0.135075}}],[{{0.193481}}],[{{12.1778}}]
[{{-0.406077}},[{{-0.220504}}],[{{-0.656398}}],[{{0.195943}}],[{{7.84211}}]
[{{-0.160442}},[{{0.333074}}],[{{-0.0757084}}],[{{0.145584}}],[{{8.89226}}]
[{{0.455311}},[{{0.619338}}],[{{-0.261004}}],[{{-0.266486}}],[{{15.083}}]
[{{-0.186695}},[{{0.695767}}],[{{0.511054}}],[{{0.794208}}],[{{9.23003}}]
[{{0.820028}},[{{0.470681}}],[{{0.831501}}],[{{0.189466}}],[{{23.9177}}]
[{{0.195793}},[{{0.615308}}],[{{0.267765}}],[{{0.40199}}],[{{14.1571}}]
[{{0.448723}},[{{0.444073}}],[{{0.564396}}],[{{0.983531}}],[{{19.7487}}]
[{{0.495926}},[{{1.31736}}],[{{0.613378}}],[{{1.15985}}],[{{37.1025}}]
```

[{0.962258}], [{1.10852}], [{0.845358}], [{0.63043}], [{46.8352}]
[{0.962781}], [{0.839623}], [{0.828039}], [{1.13596}], [{40.7074}]
[{1.57511}], [{0.779377}], [{0.886426}], [{0.660115}], [{47.9398}]
[{1.1685}], [{0.599157}], [{0.807992}], [{1.46767}], [{42.0336}]
[{0.808023}], [{1.46804}], [{0.628853}], [{0.928256}], [{51.3799}]
[{1.52193}], [{1.17772}], [{1.20242}], [{0.652514}], [{72.6378}]
[{1.09543}], [{1.5476}], [{1.3199}], [{1.58051}], [{95.4667}]
[{1.70425}], [{1.31811}], [{1.66691}], [{1.27717}], [{114.157}]
[{2.42559}], [{1.52669}], [{0.091}], [{1.6016}], [{204.535}]
[{1.65311}], [{1.9664}], [{1.38423}], [{1.73384}], [{173.476}]
[{2.30107}], [{2.22893}], [{2.26187}], [{1.45575}], [{310.75}]
[{2.36919}], [{1.87647}], [{2.97574}], [{2.33204}], [{356.708}]
[{2.24013}], [{1.77536}], [{2.28115}], [{1.54759}], [{237.957}]
[{2.61509}], [{1.82945}], [{2.17875}], [{2.05619}], [{288.211}]
[{2.28214}], [{2.42613}], [{2.1659}], [{1.8562}], [{358.179}]
[{2.43651}], [{2.51712}], [{1.84076}], [{2.34012}], [{380.752}]
[{2.04167}], [{2.83244}], [{2.26718}], [{2.65008}], [{462.575}]
[{3.05226}], [{2.76394}], [{2.8275}], [{2.31089}], [{634.89}]
[{2.58745}], [{2.83101}], [{3.02599}], [{2.38122}], [{623.149}]
[{2.68957}], [{3.24501}], [{3.1725}], [{2.83795}], [{831.065}]
[{2.66726}], [{2.83411}], [{2.81137}], [{3.07368}], [{650.378}]

BS21B013

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0324139

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.239482}], [{-0.306126}], [{0.0460939}], [{0.132564}], [{9.84431}]
[{0.165594}], [{0.289596}], [{0.209908}], [{0.127191}], [{12.018}]
[{0.205698}], [{0.817836}], [{0.182944}], [{0.515972}], [{14.5569}]
[{-0.117672}], [{0.0363213}], [{0.737312}], [{0.34624}], [{7.75422}]
[{0.378859}], [{0.712331}], [{0.415946}], [{0.331485}], [{19.2023}]
[{0.549321}], [{0.771284}], [{0.632056}], [{0.946568}], [{24.3581}]
[{1.2801}], [{0.132876}], [{1.07543}], [{0.209963}], [{27.3438}]
[{0.803066}], [{0.530265}], [{0.885105}], [{1.36458}], [{32.1126}]
[{0.599971}], [{1.30459}], [{1.02509}], [{0.524007}], [{49.3446}]
[{0.909019}], [{0.869996}], [{0.666428}], [{1.07363}], [{38.0425}]
[{0.741269}], [{0.98552}], [{1.31546}], [{0.731602}], [{44.0728}]
[{0.976458}], [{0.609413}], [{0.982029}], [{1.11488}], [{37.6669}]
[{1.53543}], [{1.2232}], [{0.900377}], [{1.23031}], [{81.7141}]
[{0.87747}], [{1.24435}], [{1.49857}], [{0.773571}], [{69.6822}]
[{1.46645}], [{0.78334}], [{2.11497}], [{1.42081}], [{92.6202}]
[{1.48879}], [{1.2219}], [{1.48368}], [{1.37935}], [{103.517}]
[{2.01125}], [{1.67481}], [{2.00134}], [{1.40613}], [{211.193}]
[{1.66755}], [{1.47395}], [{1.53326}], [{1.68132}], [{145.47}]
[{1.72688}], [{1.33646}], [{1.80307}], [{1.32126}], [{135.678}]
[{2.02899}], [{1.60375}], [{2.26875}], [{1.47129}], [{218.108}]
[{1.8399}], [{1.78838}], [{2.58004}], [{2.60343}], [{305.108}]
[{2.73975}], [{1.65835}], [{2.49068}], [{2.40934}], [{360.165}]
[{2.22451}], [{2.84704}], [{2.22928}], [{1.58691}], [{506.734}]
[{2.52381}], [{1.80397}], [{2.25285}], [{2.30893}], [{336.978}]
[{2.36911}], [{3.11288}], [{2.60233}], [{2.49089}], [{715.206}]

```
[{2.69657}], [{2.46162}], [{2.21445}], [{2.41996}], [{510.022}]
[{2.49009}], [{2.63039}], [{2.44676}], [{3.24285}], [{607.349}]
[{3.21732}], [{2.44183}], [{3.05205}], [{2.82376}], [{731.786}]
[{2.72487}], [{2.36493}], [{2.60738}], [{3.30572}], [{601.312}]
[{2.1595}], [{3.00608}], [{2.68025}], [{2.26955}], [{640.51}]
```

BS21B014

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0322035

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{0.510164}], [{0.147897}], [{0.0908091}], [{-0.411585}], [{15.3793}]
[{0.35982}], [{-0.400607}], [{0.252598}], [{-0.109325}], [{17.0191}]
[{0.548809}], [{0.364145}], [{0.432055}], [{0.267238}], [{18.7866}]
[{0.445175}], [{0.0650218}], [{0.267222}], [{0.459612}], [{15.4306}]
[{0.158712}], [{0.18185}], [{0.180711}], [{1.04621}], [{12.3526}]
[{0.420663}], [{0.513343}], [{0.920753}], [{0.544596}], [{22.7077}]
[{1.31586}], [{0.819688}], [{0.670152}], [{0.207895}], [{39.6257}]
[{1.40519}], [{1.07284}], [{1.18912}], [{0.987724}], [{73.4812}]
[{1.18194}], [{0.925147}], [{1.17491}], [{1.11484}], [{61.209}]
[{0.419565}], [{0.978149}], [{0.988934}], [{1.18975}], [{35.4001}]
[{1.54876}], [{0.971921}], [{1.29727}], [{0.704055}], [{71.1327}]
[{0.860761}], [{1.44197}], [{0.864925}], [{0.835558}], [{64.4013}]
[{1.01157}], [{0.645603}], [{1.22999}], [{1.29242}], [{45.5494}]
[{1.15263}], [{0.900748}], [{1.26052}], [{1.15942}], [{58.9833}]
[{1.14088}], [{1.63536}], [{0.959939}], [{1.28977}], [{96.6326}]
[{1.29696}], [{0.972996}], [{1.67258}], [{0.886129}], [{72.2524}]
[{1.72338}], [{1.25832}], [{1.46737}], [{1.88669}], [{128.706}]
[{1.70203}], [{1.60206}], [{2.29014}], [{1.99296}], [{213.545}]
[{1.77271}], [{1.27019}], [{1.81634}], [{1.42358}], [{136.577}]
[{1.93}], [{1.34961}], [{1.74415}], [{2.42783}], [{183.403}]
[{1.71891}], [{1.98299}], [{1.40512}], [{1.54182}], [{193.91}]
[{1.6627}], [{1.68624}], [{1.97701}], [{2.01852}], [{202.775}]
[{2.43487}], [{2.28921}], [{2.12648}], [{0.902336}], [{329.249}]
[{2.79678}], [{1.97597}], [{1.53264}], [{2.60052}], [{328.024}]
[{2.86675}], [{2.39159}], [{2.18663}], [{1.73963}], [{448.276}]
[{2.00872}], [{2.00559}], [{2.92686}], [{1.95907}], [{351.983}]
[{3.06816}], [{3.06512}], [{2.50318}], [{2.51067}], [{776.05}]
[{2.94297}], [{2.57797}], [{3.15008}], [{2.45632}], [{687.604}]
[{2.49051}], [{2.55327}], [{3.28748}], [{3.36138}], [{700.249}]
[{2.90696}], [{3.1297}], [{2.94892}], [{2.18395}], [{818.211}]
```

BS21B015

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0366983

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{0.31367}], [{0.365267}], [{0.122555}], [{0.195764}], [{16.2309}]
[{0.204604}], [{-0.387814}], [{0.372219}], [{-0.204987}], [{14.2439}]
[{0.146706}], [{-0.0554801}], [{0.455355}], [{0.662883}], [{14.2288}]
```

```

[{\{0.385837\}}, {\{0.689568\}}, {\{-0.0340578\}}, {\{0.230995\}}, {\{16.4639\}}
[{\{0.562482\}}, {\{0.55037\}}, {\{0.455716\}}, {\{0.330675\}}, {\{20.9152\}}
[{\{0.188317\}}, {\{0.985091\}}, {\{0.561943\}}, {\{0.532506\}}, {\{22.1359\}}
[{\{0.0733552\}}, {\{0.542437\}}, {\{0.115573\}}, {\{0.797957\}}, {\{13.9845\}}
[{\{0.686404\}}, {\{0.737426\}}, {\{0.740288\}}, {\{1.0837\}}, {\{31.6402\}}
[{\{0.668214\}}, {\{1.22657\}}, {\{0.555276\}}, {\{0.561132\}}, {\{38.2941\}}
[{\{0.683762\}}, {\{0.678287\}}, {\{0.64843\}}, {\{1.07345\}}, {\{30.4408\}}
[{\{0.514913\}}, {\{1.22382\}}, {\{1.3635\}}, {\{0.93567\}}, {\{54.0433\}}
[{\{0.857146\}}, {\{1.17022\}}, {\{1.34537\}}, {\{1.57237\}}, {\{71.7243\}}
[{\{1.20103\}}, {\{1.33184\}}, {\{1.46641\}}, {\{1.1485\}}, {\{97.0955\}}
[{\{0.696173\}}, {\{0.993936\}}, {\{1.08401\}}, {\{1.22293\}}, {\{47.7229\}}
[{\{1.27336\}}, {\{1.80441\}}, {\{1.33557\}}, {\{1.76208\}}, {\{150.743\}}
[{\{1.6042\}}, {\{1.2635\}}, {\{1.20474\}}, {\{1.93046\}}, {\{119.029\}}
[{\{1.46117\}}, {\{1.64106\}}, {\{1.46009\}}, {\{1.61688\}}, {\{151.205\}}
[{\{1.79678\}}, {\{1.58011\}}, {\{1.61823\}}, {\{1.55911\}}, {\{173.1\}}
[{\{1.81059\}}, {\{1.50826\}}, {\{1.60837\}}, {\{2.02508\}}, {\{181.845\}}
[{\{1.8791\}}, {\{1.72329\}}, {\{2.18306\}}, {\{2.10609\}}, {\{259.003\}}
[{\{1.50039\}}, {\{1.67104\}}, {\{1.91571\}}, {\{1.81996\}}, {\{189.479\}}
[{\{2.88757\}}, {\{2.57465\}}, {\{1.83558\}}, {\{1.81767\}}, {\{495.529\}}
[{\{1.63531\}}, {\{1.91298\}}, {\{2.37381\}}, {\{2.1112\}}, {\{282.783\}}
[{\{2.58428\}}, {\{2.28107\}}, {\{2.00026\}}, {\{2.30844\}}, {\{436.688\}}
[{\{2.64986\}}, {\{2.52356\}}, {\{2.67203\}}, {\{2.3596\}}, {\{602.848\}}
[{\{2.39201\}}, {\{2.29241\}}, {\{2.76262\}}, {\{2.03578\}}, {\{487.364\}}
[{\{2.43611\}}, {\{2.60897\}}, {\{2.49842\}}, {\{2.96079\}}, {\{614.155\}}
[{\{2.56704\}}, {\{2.49917\}}, {\{2.66762\}}, {\{2.28669\}}, {\{576.6\}}
[{\{2.70149\}}, {\{3.35006\}}, {\{2.84507\}}, {\{2.52821\}}, {\{950.228\}}
[{\{2.99243\}}, {\{2.81014\}}, {\{2.85152\}}, {\{3.29362\}}, {\{873.923\}}

```

BS21B016

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.04617

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 5

```

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{\{0.147345\}}, {\{0.52158\}}, {\{0.0408431\}}, {\{-0.499461\}}, {\{12.3895\}}
[{\{-0.294802\}}, {\{0.314014\}}, {\{0.256596\}}, {\{-0.289417\}}, {\{7.32706\}}
[{\{0.317665\}}, {\{0.251241\}}, {\{0.0126363\}}, {\{0.260663\}}, {\{14.9982\}}
[{\{0.542283\}}, {\{0.459761\}}, {\{0.493183\}}, {\{0.749382\}}, {\{21.8456\}}
[{\{0.839387\}}, {\{-0.137931\}}, {\{0.480192\}}, {\{0.32914\}}, {\{21.7615\}}
[{\{0.731703\}}, {\{0.348204\}}, {\{-0.186218\}}, {\{0.582467\}}, {\{19.1249\}}
[{\{0.184911\}}, {\{0.868906\}}, {\{0.915091\}}, {\{0.709934\}}, {\{22.0783\}}
[{\{-0.0339783\}}, {\{0.811585\}}, {\{1.07582\}}, {\{0.557185\}}, {\{17.1255\}}
[{\{0.832829\}}, {\{0.762142\}}, {\{0.49009\}}, {\{0.656042\}}, {\{31.3651\}}
[{\{0.703576\}}, {\{1.13951\}}, {\{0.759366\}}, {\{0.763973\}}, {\{41.131\}}
[{\{0.728161\}}, {\{0.586717\}}, {\{1.19003\}}, {\{0.840083\}}, {\{33.9257\}}
[{\{1.09164\}}, {\{0.847507\}}, {\{1.09607\}}, {\{1.13801\}}, {\{54.4361\}}
[{\{1.33017\}}, {\{0.93998\}}, {\{1.37444\}}, {\{1.70404\}}, {\{86.0853\}}
[{\{1.14598\}}, {\{1.30136\}}, {\{1.27503\}}, {\{1.60184\}}, {\{92.1128\}}
[{\{1.45402\}}, {\{1.25154\}}, {\{1.17441\}}, {\{1.79876\}}, {\{106.653\}}
[{\{1.54293\}}, {\{1.63264\}}, {\{1.74852\}}, {\{1.19986\}}, {\{153.724\}}
[{\{1.83178\}}, {\{1.68268\}}, {\{1.664\}}, {\{1.70504\}}, {\{193.621\}}
[{\{1.78397\}}, {\{1.36461\}}, {\{2.38086\}}, {\{1.50583\}}, {\{184.721\}}
[{\{1.87407\}}, {\{1.585\}}, {\{2.64771\}}, {\{2.17792\}}, {\{276.769\}}]

```

```
[[{1.70022}], [{2.02799}], [{1.49462}], [{1.92503}], [{219.808}]
[{{1.92841}], [{2.07104}], [{2.24486}], [{2.44304}], [{340.271}]
[{{2.02571}], [{2.18238}], [{2.92807}], [{2.12771}], [{419.186}]
[{{2.26786}], [{1.46881}], [{2.15053}], [{1.87859}], [{241.436}]
[{{2.12648}], [{2.59058}], [{2.42402}], [{2.95201}], [{522.442}]
[{{2.51739}], [{2.54876}], [{1.87239}], [{2.45168}], [{466.867}]
[{{2.74667}], [{2.53181}], [{2.49276}], [{2.92965}], [{624.038}]
[{{2.96733}], [{2.81041}], [{2.6114}], [{2.94221}], [{765.51}]
[{{2.51219}], [{2.92651}], [{2.71402}], [{3.11204}], [{743.561}]
[{{3.59678}], [{2.49812}], [{3.17072}], [{3.23781}], [{926.328}]
[{{2.54689}], [{2.64167}], [{3.07937}], [{2.62052}], [{681.552}]
```

BS21B017

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0300627

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{{0.132983}], [{{-0.187856}], [{{-0.0511552}], [{{-0.800977}], [{{13.7251}]
[{{-0.298257}], [{{0.818629}], [{{-0.0676404}], [{{0.643137}], [{{4.17163}]
[{{-0.000437485}], [{{-0.218908}], [{{0.323066}], [{{0.504868}], [{{10.5261}]
[{{0.129237}], [{{0.664141}], [{{0.43518}], [{{-0.371408}], [{{14.2232}]
[{{0.301408}], [{{0.417822}], [{{-0.0626316}], [{{0.531074}], [{{13.0371}]
[{{1.07359}], [{{0.281274}], [{{0.343254}], [{{0.398988}], [{{21.1272}]
[{{0.884976}], [{{1.11866}], [{{0.817308}], [{{0.817224}], [{{44.2672}]
[{{0.827241}], [{{1.04697}], [{{0.349383}], [{{0.607993}], [{{34.7819}]
[{{0.827825}], [{{0.547549}], [{{1.11534}], [{{1.30376}], [{{34.2001}]
[{{0.780818}], [{{0.617845}], [{{0.49655}], [{{0.894709}], [{{24.739}]
[{{1.08809}], [{{0.607473}], [{{0.511106}], [{{1.2742}], [{{32.3639}]
[{{1.15732}], [{{1.42973}], [{{1.2455}], [{{0.814345}], [{{83.195}]
[{{0.942883}], [{{0.752848}], [{{0.987464}], [{{1.02132}], [{{39.7086}]
[{{1.32405}], [{{1.19582}], [{{1.31935}], [{{1.27141}], [{{83.6768}]
[{{1.21098}], [{{1.50515}], [{{1.64449}], [{{1.18078}], [{{110.257}]
[{{1.20676}], [{{0.408873}], [{{1.53252}], [{{1.4322}], [{{48.9983}]
[{{1.93363}], [{{1.98993}], [{{1.20734}], [{{2.32826}], [{{211.071}]
[{{1.4471}], [{{2.34166}], [{{1.6536}], [{{1.85357}], [{{245.016}]
[{{1.59777}], [{{1.4411}], [{{1.99389}], [{{2.06306}], [{{162.025}]
[{{1.95255}], [{{2.01841}], [{{1.89972}], [{{1.58766}], [{{247.775}]
[{{2.42478}], [{{1.47979}], [{{1.55748}], [{{1.98112}], [{{193.075}]
[{{1.68462}], [{{2.30352}], [{{2.04504}], [{{1.96391}], [{{296.366}]
[{{1.95495}], [{{2.30353}], [{{2.22624}], [{{2.33707}], [{{353.569}]
[{{2.50314}], [{{2.22182}], [{{2.37454}], [{{2.04892}], [{{398.936}]
[{{2.74596}], [{{2.13318}], [{{1.92772}], [{{2.73474}], [{{391.155}]
[{{2.51809}], [{{2.3819}], [{{2.90582}], [{{2.38474}], [{{514.545}]
[{{2.96358}], [{{2.41783}], [{{2.75094}], [{{2.84647}], [{{596.8}]
[{{2.70037}], [{{3.22766}], [{{2.79769}], [{{2.42197}], [{{811.672}]
[{{3.27744}], [{{2.74834}], [{{3.00217}], [{{3.38765}], [{{838.859}]
[{{2.59904}], [{{3.07512}], [{{3.14392}], [{{2.89659}], [{{820.549}]]
```

BS21B018

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0380402

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 3

```
[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.604534}],[{-0.0929039}],[{-0.25744}],[{0.54274}],[{4.57478}]
[{0.0727664}],[{0.00343288}],[{-0.0890456}],[{0.28478}],[{11.1164}]
[{0.0883051}],[{0.515966}],[{0.511161}],[{0.538968}],[{12.0439}]
[{0.422134}],[{0.575381}],[{0.698099}],[{0.684165}],[{19.578}]
[{0.543571}],[{-0.383049}],[{0.570259}],[{0.48901}],[{18.0394}]
[{0.422334}],[{0.798849}],[{0.458543}],[{0.410374}],[{18.273}]
[{0.706741}],[{0.548056}],[{0.513036}],[{0.821556}],[{24.7387}]
[{0.787529}],[{0.671606}],[{0.912263}],[{0.800366}],[{30.6133}]
[{0.76252}],[{0.510911}],[{0.96177}],[{0.685347}],[{27.5415}]
[{1.21666}],[{1.59653}],[{1.3694}],[{1.76839}],[{108.754}]
[{0.635513}],[{1.66749}],[{0.545602}],[{1.08151}],[{48.4334}]
[{1.52906}],[{1.18604}],[{0.771978}],[{1.05916}],[{67.1437}]
[{0.755958}],[{0.947806}],[{1.32211}],[{1.08016}],[{43.8642}]
[{1.62628}],[{1.0929}],[{1.27315}],[{1.8653}],[{94.2261}]
[{1.3773}],[{1.75807}],[{0.785258}],[{1.40428}],[{99.6804}]
[{1.26628}],[{1.68233}],[{1.38995}],[{1.50255}],[{115.237}]
[{1.26241}],[{1.93128}],[{1.35991}],[{1.76551}],[{139.106}]
[{1.63371}],[{2.00186}],[{1.40987}],[{1.79201}],[{176.23}]
[{1.65643}],[{2.14259}],[{2.08898}],[{1.54337}],[{230.083}]
[{1.872225}],[{1.55165}],[{1.59313}],[{1.99003}],[{163.735}]
[{1.41531}],[{2.02098}],[{1.71562}],[{1.78805}],[{178.358}]
[{2.22869}],[{2.10388}],[{2.1761}],[{2.0554}],[{301.727}]
[{2.48916}],[{2.08083}],[{2.28634}],[{1.73207}],[{316.321}]
[{2.62551}],[{2.37326}],[{2.60518}],[{2.24526}],[{446.976}]
[{2.94398}],[{2.37417}],[{2.34093}],[{2.49978}],[{478.258}]
[{2.40566}],[{2.75271}],[{2.42449}],[{2.37777}],[{493.586}]
[{2.46771}],[{2.64813}],[{2.87431}],[{2.51283}],[{535.144}]
[{2.89516}],[{2.81408}],[{3.04913}],[{2.41566}],[{661.342}]
[{2.08434}],[{3.07346}],[{3.32026}],[{3.22487}],[{680.528}]
[{3.32592}],[{2.80955}],[{3.29999}],[{2.97628}],[{825.781}]
```

BS21B019

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0135903

Matrix Index 1 = 3, Matrix Index 2 = 3

Parameter No. = 1

```
[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{0.477632}],[{-0.0786229}],[{0.174625}],[{-0.466453}],[{12.691}]
[{0.391545}],[{0.0365774}],[{0.0139976}],[{0.7586}],[{16.3073}]
[{0.184085}],[{0.297264}],[{0.318435}],[{-0.00396139}],[{11.3061}]
[{0.378955}],[{0.543942}],[{-0.0499838}],[{0.49798}],[{14.7701}]
[{0.672839}],[{0.35844}],[{0.380436}],[{0.679023}],[{21.4325}]
[{1.28849}],[{0.562576}],[{0.685148}],[{-0.00272055}],[{29.7175}]
[{0.586467}],[{0.356992}],[{0.335757}],[{0.266538}],[{17.0354}]
[{0.780775}],[{1.04403}],[{0.27517}],[{0.611131}],[{31.8688}]
[{0.642958}],[{1.45786}],[{0.392686}],[{0.542664}],[{41.974}]
[{1.19494}],[{1.01682}],[{0.591727}],[{1.14811}],[{49.0261}]
[{0.662208}],[{0.851281}],[{1.03708}],[{0.762026}],[{37.0435}]
[{1.39953}],[{1.30389}],[{0.813927}],[{1.57909}],[{80.1951}]
[{1.38973}],[{0.537506}],[{1.66065}],[{1.3378}],[{65.6201}]]
```

```

[ { 1.78192 } ], [ { 1.29464 } ], [ { 0.966644 } ], [ { 1.27379 } ], [ { 96.112 } ]
[ { 0.678283 } ], [ { 1.1689 } ], [ { 1.22356 } ], [ { 1.56848 } ], [ { 58.6579 } ]
[ { 1.35204 } ], [ { 1.68525 } ], [ { 1.25474 } ], [ { 1.52838 } ], [ { 125.668 } ]
[ { 1.01407 } ], [ { 1.459 } ], [ { 1.13214 } ], [ { 1.79043 } ], [ { 87.2925 } ]
[ { 1.54417 } ], [ { 1.66467 } ], [ { 2.0464 } ], [ { 1.48213 } ], [ { 176.038 } ]
[ { 1.89447 } ], [ { 2.0971 } ], [ { 1.96607 } ], [ { 1.97572 } ], [ { 277.191 } ]
[ { 2.20887 } ], [ { 2.2281 } ], [ { 1.92445 } ], [ { 1.26809 } ], [ { 293.923 } ]
[ { 2.25113 } ], [ { 2.41999 } ], [ { 1.83867 } ], [ { 1.7984 } ], [ { 349.807 } ]
[ { 2.41177 } ], [ { 2.2505 } ], [ { 2.41346 } ], [ { 1.71225 } ], [ { 385.707 } ]
[ { 1.69409 } ], [ { 2.0447 } ], [ { 2.20629 } ], [ { 2.41744 } ], [ { 288.01 } ]
[ { 2.50502 } ], [ { 2.4215 } ], [ { 2.60959 } ], [ { 1.83137 } ], [ { 462.863 } ]
[ { 2.4357 } ], [ { 2.38821 } ], [ { 2.31202 } ], [ { 1.9784 } ], [ { 423.466 } ]
[ { 2.18464 } ], [ { 2.64647 } ], [ { 2.04964 } ], [ { 2.62194 } ], [ { 453.485 } ]
[ { 2.85416 } ], [ { 2.50405 } ], [ { 1.90899 } ], [ { 2.5321 } ], [ { 477.428 } ]
[ { 2.72244 } ], [ { 3.14103 } ], [ { 3.17255 } ], [ { 2.55293 } ], [ { 861.323 } ]
[ { 2.65841 } ], [ { 2.44801 } ], [ { 2.75559 } ], [ { 3.35844 } ], [ { 624.485 } ]
[ { 3.03468 } ], [ { 3.0616 } ], [ { 3.09349 } ], [ { 3.00638 } ], [ { 914.702 } ]

```

BS21B020

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.0257015

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 2

```

[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[ { 0.16532 } ], [ { -0.345683 } ], [ { 0.13891 } ], [ { -0.528016 } ], [ { 8.15893 } ]
[ { 0.142984 } ], [ { 0.140486 } ], [ { -0.201674 } ], [ { -0.288008 } ], [ { 8.91376 } ]
[ { 0.011455 } ], [ { 0.68711 } ], [ { 0.0895895 } ], [ { 0.153138 } ], [ { 7.69409 } ]
[ { 0.23641 } ], [ { 0.354554 } ], [ { 0.112985 } ], [ { 0.354459 } ], [ { 11.7358 } ]
[ { -0.0706707 } ], [ { 0.420446 } ], [ { 0.40579 } ], [ { 0.440783 } ], [ { 6.88364 } ]
[ { 0.267678 } ], [ { 0.242499 } ], [ { 0.912597 } ], [ { 1.07504 } ], [ { 11.6516 } ]
[ { 0.364001 } ], [ { 1.37472 } ], [ { 0.815565 } ], [ { 0.267051 } ], [ { 31.8542 } ]
[ { 0.808033 } ], [ { 0.391339 } ], [ { 0.621328 } ], [ { 0.579844 } ], [ { 20.1994 } ]
[ { 0.800832 } ], [ { 1.18884 } ], [ { 1.02141 } ], [ { 0.588473 } ], [ { 41.1922 } ]
[ { 0.357158 } ], [ { 1.75389 } ], [ { 0.379152 } ], [ { 0.967519 } ], [ { 30.5141 } ]
[ { 0.881981 } ], [ { 1.06838 } ], [ { 1.05331 } ], [ { 0.920342 } ], [ { 42.4591 } ]
[ { 1.05656 } ], [ { 1.2119 } ], [ { 1.15126 } ], [ { 0.811702 } ], [ { 55.337 } ]
[ { 1.53883 } ], [ { 1.28753 } ], [ { 1.17709 } ], [ { 1.61275 } ], [ { 86.234 } ]
[ { 1.70178 } ], [ { 1.20181 } ], [ { 1.38192 } ], [ { 1.43604 } ], [ { 91.0574 } ]
[ { 1.03897 } ], [ { 1.68827 } ], [ { 1.51702 } ], [ { 0.942775 } ], [ { 94.4715 } ]
[ { 1.79412 } ], [ { 1.06364 } ], [ { 1.2357 } ], [ { 1.68948 } ], [ { 85.996 } ]
[ { 1.53012 } ], [ { 1.63322 } ], [ { 1.63243 } ], [ { 1.18146 } ], [ { 118.664 } ]
[ { 1.45068 } ], [ { 1.7887 } ], [ { 1.56253 } ], [ { 1.20538 } ], [ { 128.503 } ]
[ { 1.6219 } ], [ { 2.32065 } ], [ { 1.03178 } ], [ { 1.66001 } ], [ { 165.092 } ]
[ { 2.36593 } ], [ { 2.67703 } ], [ { 1.59208 } ], [ { 1.74674 } ], [ { 323.348 } ]
[ { 2.06253 } ], [ { 2.11609 } ], [ { 2.06012 } ], [ { 1.90458 } ], [ { 252.904 } ]
[ { 1.87111 } ], [ { 2.24827 } ], [ { 2.0658 } ], [ { 2.10695 } ], [ { 264.717 } ]
[ { 2.49008 } ], [ { 2.06209 } ], [ { 1.89092 } ], [ { 2.41149 } ], [ { 282.185 } ]
[ { 2.56302 } ], [ { 2.07071 } ], [ { 2.06543 } ], [ { 2.22071 } ], [ { 298.184 } ]
[ { 2.17746 } ], [ { 2.41148 } ], [ { 2.90844 } ], [ { 2.58126 } ], [ { 418.514 } ]
[ { 2.50848 } ], [ { 2.33442 } ], [ { 2.40614 } ], [ { 2.92012 } ], [ { 405.26 } ]
[ { 2.29915 } ], [ { 2.58178 } ], [ { 2.46583 } ], [ { 2.93532 } ], [ { 438.647 } ]
[ { 2.19605 } ], [ { 2.82523 } ], [ { 3.05674 } ], [ { 2.90099 } ], [ { 551.983 } ]
[ { 3.10188 } ], [ { 2.56912 } ], [ { 2.84753 } ], [ { 3.37447 } ], [ { 616.956 } ]

```

[{2.77059}], [{2.68383}], [{2.75656}], [{2.61567}], [{538.413}]

BS21B021

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0389003

Matrix Index 1 = 3, Matrix Index 2 = 5

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.0296558}], [{0.21752}], [{-0.185272}], [{-0.52061}], [{9.41665}]
[{-0.15897}], [{0.217531}], [{0.120073}], [{0.706799}], [{8.52366}]
[{0.487605}], [{0.360723}], [{0.0667965}], [{0.039037}], [{17.0631}]
[{0.407485}], [{-0.304472}], [{-0.0638664}], [{0.491117}], [{14.5804}]
[{0.244594}], [{0.778606}], [{0.754999}], [{1.11147}], [{21.9852}]
[{0.475286}], [{0.732941}], [{0.337115}], [{0.412055}], [{19.6648}]
[{0.963241}], [{0.660531}], [{0.756048}], [{0.558085}], [{34.7187}]
[{0.796087}], [{0.853229}], [{0.858357}], [{0.794222}], [{39.4161}]
[{0.894983}], [{0.204707}], [{0.788887}], [{1.18769}], [{30.1997}]
[{1.0076}], [{1.06097}], [{0.962947}], [{0.901971}], [{58.5129}]
[{1.03209}], [{0.21564}], [{1.3085}], [{0.848017}], [{35.9042}]
[{1.04642}], [{0.810595}], [{1.49574}], [{1.51113}], [{66.5608}]
[{1.3124}], [{2.01897}], [{1.26446}], [{1.42389}], [{173.327}]
[{1.6222}], [{0.949027}], [{1.12271}], [{1.38334}], [{85.211}]
[{1.47602}], [{1.54736}], [{1.5389}], [{1.56071}], [{148.837}]
[{0.995537}], [{1.03262}], [{1.42591}], [{1.52986}], [{74.4136}]
[{1.22829}], [{1.29499}], [{1.97071}], [{1.53515}], [{124.906}]
[{1.83411}], [{2.31742}], [{1.95461}], [{1.58781}], [{326.451}]
[{1.82074}], [{1.53091}], [{1.44793}], [{1.65008}], [{168.836}]
[{2.22248}], [{2.02411}], [{1.90217}], [{1.7299}], [{315.013}]
[{2.12841}], [{2.10346}], [{1.69969}], [{1.69027}], [{300.121}]
[{1.85529}], [{2.16834}], [{2.01416}], [{2.22528}], [{330.738}]
[{2.51025}], [{2.48845}], [{1.72639}], [{1.86485}], [{439.333}]
[{2.68898}], [{2.17158}], [{2.38298}], [{1.78629}], [{446.389}]
[{1.95074}], [{2.11577}], [{2.27096}], [{1.98732}], [{345.004}]
[{2.81572}], [{2.74893}], [{2.39025}], [{2.49184}], [{684.963}]
[{2.59339}], [{2.53888}], [{2.03739}], [{2.63064}], [{543.435}]
[{2.64765}], [{3.07873}], [{2.69735}], [{2.80467}], [{842.551}]
[{2.7714}], [{2.44004}], [{3.05189}], [{1.86125}], [{610.96}]
[{2.62377}], [{2.73545}], [{2.65453}], [{3.3313}], [{748.019}]

BS21B022

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0252657

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 1

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.0578173}], [{-0.0741329}], [{-0.131202}], [{-0.168441}], [{7.39034}]
[{0.0930435}], [{0.455957}], [{0.646242}], [{-0.0404215}], [{10.5916}]
[{-0.0398225}], [{0.26385}], [{0.0516952}], [{-0.0348275}], [{5.39155}]
[{-0.171452}], [{0.642688}], [{0.621}], [{0.0795471}], [{6.86383}]
[{0.207628}], [{0.803371}], [{0.546095}], [{0.955035}], [{16.2577}]
[{0.189551}], [{0.177027}], [{0.0938317}], [{0.29955}], [{8.58805}]
[{0.928542}], [{1.35518}], [{0.330834}], [{0.798155}], [{43.6317}]

[[{0.831637}], [{0.717363}], [{0.66784}], [{0.56331}], [{27.0591}]
 [[1.37199]], [{0.959969}], [{0.44694}], [{1.04081}], [{43.988}]
 [[0.895755]], [{0.707271}], [{1.27404}], [{0.920183}], [{38.4767}]
 [[0.600987]], [{0.958497}], [{1.05433}], [{0.842899}], [{34.633}]
 [[0.904907]], [{0.928648}], [{0.650409}], [{1.12829}], [{36.5387}]
 [[1.46583]], [{1.25839}], [{1.69647}], [{0.99402}], [{97.1741}]
 [[1.41164]], [{1.16604}], [{1.25254}], [{1.67941}], [{86.8586}]
 [[1.73601]], [{1.73737}], [{1.93138}], [{1.2045}], [{175.669}]
 [[1.40484]], [{1.51598}], [{1.51318}], [{1.3951}], [{117.45}]
 [[1.35555]], [{1.59232}], [{1.55605}], [{1.68201}], [{128.255}]
 [[1.69187]], [{2.14267}], [{2.12626}], [{1.40251}], [{250.156}]
 [[2.14554]], [{2.04925}], [{1.23153}], [{1.57426}], [{214.63}]
 [[2.14329]], [{1.4742}], [{1.91535}], [{2.42129}], [{208.966}]
 [[2.14577]], [{2.24479}], [{2.17467}], [{1.85835}], [{331.597}]
 [[1.88854]], [{2.46138}], [{2.34997}], [{1.88778}], [{365.599}]
 [[2.35205]], [{2.22469}], [{2.36302}], [{1.49192}], [{346.323}]
 [[2.94149]], [{2.19616}], [{2.65707}], [{2.05462}], [{459.481}]
 [[2.5468]], [{2.58956}], [{3.05091}], [{2.28987}], [{580.213}]
 [[2.05469]], [{2.49447}], [{1.41099}], [{2.65312}], [{322.624}]
 [[2.43085]], [{2.72653}], [{2.31874}], [{1.90492}], [{494.57}]
 [[2.75011]], [{2.50197}], [{2.58083}], [{2.50957}], [{541.095}]
 [[2.84236]], [{2.67215}], [{2.55201}], [{2.83647}], [{619.586}]
 [[2.84001]], [{2.60666}], [{2.93164}], [{2.29797}], [{612.794}]

BS21B023

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0240612

Matrix Index 1 = 3, Matrix Index 2 = 1

Parameter No. = 1

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
 [[{0.0543441}], [{-0.250579}], [{-0.265078}], [{0.0125228}], [{13.7618}]
 [[{0.344685}], [{0.372756}], [{0.582882}], [{-0.224802}], [{18.4089}]
 [[{-0.230525}], [{0.256643}], [{0.19192}], [{0.703081}], [{11.6399}]
 [[{0.473081}], [{0.728917}], [{0.209108}], [{-0.465771}], [{21.468}]
 [[{-0.0532728}], [{0.433611}], [{0.181674}], [{0.585405}], [{12.2938}]
 [[{0.637014}], [{0.620495}], [{0.333996}], [{0.6138}], [{24.5384}]
 [[{0.0616307}], [{0.517908}], [{0.384316}], [{0.724061}], [{15.4763}]
 [[{0.312608}], [{0.664647}], [{0.166135}], [{0.769281}], [{20.5526}]
 [[{1.50873}], [{0.173561}], [{0.863342}], [{0.465651}], [{35.8233}]
 [[{1.3431}], [{1.20536}], [{1.5106}], [{1.41881}], [{103.278}]
 [[{1.20343}], [{0.756207}], [{1.1404}], [{1.01967}], [{53.8038}]
 [[{0.744922}], [{0.893588}], [{0.320025}], [{1.2647}], [{32.3131}]
 [[{1.71609}], [{0.937163}], [{1.41362}], [{0.981983}], [{87.1666}]
 [[{1.47987}], [{1.43465}], [{1.43284}], [{1.23755}], [{122.284}]
 [[{1.44342}], [{1.57072}], [{1.79318}], [{1.4145}], [{152.782}]
 [[{1.01357}], [{1.89151}], [{2.08833}], [{1.51907}], [{179.581}]
 [[{1.35017}], [{2.45693}], [{1.47889}], [{1.65289}], [{246.411}]
 [[{1.74824}], [{1.48525}], [{2.13972}], [{2.30873}], [{215.306}]
 [[{1.91054}], [{1.65241}], [{1.837}], [{2.19685}], [{224.251}]
 [[{2.33952}], [{1.70228}], [{1.38536}], [{1.53541}], [{206.055}]
 [[{2.96312}], [{1.52569}], [{2.21067}], [{2.13204}], [{323.45}]
 [[{2.00932}], [{2.58337}], [{1.26758}], [{2.38082}], [{333.117}]
 [[{1.99806}], [{1.81666}], [{1.75001}], [{2.42711}], [{256.935}]]]

```
[{2.90781}], [{2.25457}], [{1.79025}], [{2.01169}], [{408.926}]
[{2.59887}], [{2.41704}], [{2.16366}], [{2.34519}], [{480.696}]
[{3.0306}], [{2.11956}], [{2.50286}], [{2.79242}], [{537.917}]
[{2.83424}], [{2.10325}], [{2.71716}], [{1.94093}], [{467.221}]
[{2.85518}], [{3.09293}], [{2.85748}], [{3.09243}], [{905.42}]
[{2.79089}], [{2.72425}], [{3.11456}], [{2.64905}], [{761.167}]
[{2.63071}], [{2.79544}], [{2.77899}], [{3.00863}], [{731.724}]
```

BS21B025

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0449585

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 5

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.830559}], [{-0.429227}], [{-0.538997}], [{-0.520026}], [{22.1848}]
[{-0.349136}], [{0.227429}], [{0.307771}], [{0.162026}], [{17.0418}]
[{-0.573198}], [{-0.162355}], [{0.393932}], [{-0.746424}], [{15.2421}]
[{-0.266621}], [{-0.0714438}], [{0.682474}], [{0.574116}], [{14.8828}]
[{-0.516075}], [{0.240393}], [{0.483683}], [{0.341729}], [{17.2341}]
[{-0.680178}], [{0.409196}], [{0.212505}], [{0.121005}], [{19.389}]
[{-0.69843}], [{0.713086}], [{0.413845}], [{0.42754}], [{25.8617}]
[{-0.821221}], [{0.532602}], [{0.562698}], [{0.731522}], [{26.043}]
[{-0.960138}], [{1.0379}], [{1.08906}], [{1.1112}], [{51.243}]
[{-0.480832}], [{0.346697}], [{1.0144}], [{0.696706}], [{20.3239}]
[{-1.06845}], [{0.859454}], [{1.00063}], [{0.119289}], [{34.4038}]
[{-1.14977}], [{0.844717}], [{0.806332}], [{1.50167}], [{49.9625}]
[{-1.24242}], [{1.21074}], [{1.55079}], [{1.15362}], [{79.9768}]
[{-1.27816}], [{1.39051}], [{1.23866}], [{1.66194}], [{93.2266}]
[{-1.18116}], [{1.30651}], [{0.974666}], [{2.02607}], [{79.7637}]
[{-1.20533}], [{0.926496}], [{1.9869}], [{1.37914}], [{81.922}]
[{-1.59851}], [{1.71136}], [{1.71798}], [{1.05306}], [{138.619}]
[{-1.78034}], [{1.61173}], [{1.45861}], [{1.31761}], [{134.709}]
[{-1.37774}], [{1.95052}], [{1.39069}], [{2.60583}], [{168.336}]
[{-1.61851}], [{1.87095}], [{1.73545}], [{1.37993}], [{167.254}]
[{-1.88208}], [{2.32388}], [{1.91184}], [{2.30833}], [{291.599}]
[{-1.88689}], [{2.2378}], [{2.16108}], [{2.00906}], [{288.265}]
[{-2.42677}], [{2.14012}], [{2.45497}], [{3.0007}], [{412.85}]
[{-2.57539}], [{2.13492}], [{2.34143}], [{2.43985}], [{383.299}]
[{-2.17146}], [{2.71711}], [{2.20497}], [{2.48617}], [{431.131}]
[{-2.49334}], [{2.83921}], [{2.67186}], [{1.842}], [{517.834}]
[{-1.52183}], [{2.65284}], [{2.8788}], [{2.63859}], [{407.57}]
[{-2.76769}], [{2.49274}], [{2.46133}], [{3.04154}], [{534.883}]
[{-3.05418}], [{2.66158}], [{2.87587}], [{2.76111}], [{655.214}]
[{-3.43086}], [{2.47158}], [{2.97581}], [{3.27771}], [{733.517}]
```

BS21B026

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0332837

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.0378925}], [{0.206996}], [{-0.356224}], [{0.42467}], [{8.90591}]
```

```

[{-0.330294}], [-0.0741529], [-0.452915], [-0.110362], [8.07584]
[0.0629312], [0.256055], [0.0535011], [0.119479], [9.75749]
[0.129688], [0.278166], [0.660585], [0.407125], [11.6887]
[0.76447], [0.326499], [0.187589], [0.3028], [17.6592]
[0.194799], [0.588664], [0.78208], [0.843538], [15.0872]
[0.224191], [0.555492], [0.885464], [0.779389], [16.8559]
[0.564072], [1.19873], [0.505447], [0.506631], [33.9838]
[0.703769], [1.5513], [0.86962], [0.809527], [65.8165]
[1.13908], [1.69601], [0.45729], [-0.00566013], [74.076]
[0.687468], [0.841107], [1.27428], [1.11346], [40.9584]
[1.56664], [1.17752], [0.875717], [0.828518], [75.8826]
[1.27889], [1.15428], [0.850287], [1.83479], [75.6558]
[0.707957], [1.52923], [1.62897], [1.08448], [92.8814]
[1.41214], [0.7908], [1.80106], [1.41628], [84.0234]
[1.63123], [1.66787], [1.5897], [1.61387], [172.953]
[1.59236], [1.31239], [1.40958], [1.27927], [115.544]
[1.49933], [1.3169], [1.72363], [1.92907], [141.888]
[2.10732], [1.90045], [2.23768], [1.47508], [287.945]
[2.35685], [1.4626], [1.69617], [0.859603], [169.322]
[1.70479], [2.0485], [2.01798], [1.93046], [278.962]
[1.61006], [1.66908], [1.73774], [2.29189], [199.886]
[2.30346], [2.74427], [2.38425], [1.9195], [560.663]
[2.25462], [2.33549], [2.12787], [2.28984], [429.919]
[2.58732], [1.99506], [2.42672], [2.5816], [440.786]
[2.37734], [2.30875], [2.27638], [1.82822], [429.44]
[2.67936], [2.88387], [2.84107], [2.87436], [806.762]
[2.87991], [3.31461], [2.69116], [2.784], [988.473]
[3.05597], [2.52593], [2.43438], [2.46995], [648.15]
[3.15625], [2.79068], [2.97699], [3.24718], [928.17]

```

BS21B027

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0190869

Matrix Index 1 = 3, Matrix Index 2 = 5

Parameter No. = 1

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[0.0574456], [0.232786], [-0.441588], [-0.402524], [14.2928]
[-0.285969], [-0.0516519], [-0.359572], [0.0391037], [10.9065]
[0.701601], [0.391464], [0.417555], [-0.155735], [21.571]
[0.379389], [0.312601], [0.0584903], [0.178001], [18.5941]
[0.16965], [0.520455], [0.174317], [0.433071], [16.1792]
[0.903471], [0.274096], [0.246624], [0.827267], [27.7333]
[0.496072], [0.784457], [1.01586], [0.601158], [30.634]
[0.531424], [0.800319], [1.11886], [0.761778], [33.7063]
[0.664859], [0.886796], [0.457318], [0.60036], [32.1781]
[1.01074], [0.196654], [0.785245], [0.599453], [29.2311]
[1.23897], [0.410319], [1.02196], [0.729606], [41.0691]
[0.895555], [1.11042], [0.820006], [1.20491], [52.4523]
[1.43517], [0.92295], [1.45864], [0.71301], [67.4988]
[1.08126], [0.547088], [1.26408], [1.51984], [54.083]
[1.15609], [1.15486], [1.64192], [1.24815], [88.8557]
[1.29097], [1.3449], [1.74057], [1.39079], [115.898]
[1.34557], [1.28093], [0.973344], [1.49638], [85.2699]

```

```
[{1.54782}], [{1.76729}], [{1.91046}], [{1.61519}], [{186.508}]
[{2.17443}], [{2.07664}], [{1.86433}], [{1.7398}], [{282.794}]
[{2.60461}], [{1.30102}], [{2.19774}], [{1.47041}], [{211.083}]
[{1.83576}], [{2.76396}], [{1.95575}], [{2.11268}], [{399.223}]
[{2.77083}], [{2.07355}], [{1.72086}], [{2.11498}], [{339.244}]
[{1.87323}], [{2.54335}], [{2.43191}], [{1.70527}], [{391.903}]
[{2.26155}], [{1.98731}], [{2.03992}], [{2.49461}], [{328.779}]
[{2.14199}], [{2.49967}], [{2.57704}], [{2.55526}], [{478.119}]
[{2.3947}], [{2.72171}], [{2.0941}], [{2.32413}], [{489.845}]
[{3.35089}], [{3.09231}], [{2.2102}], [{2.85588}], [{790.431}]
[{2.73465}], [{2.60711}], [{2.59364}], [{2.72622}], [{607.586}]
[{2.94128}], [{2.40761}], [{2.66707}], [{2.68512}], [{592.339}]
[{3.08483}], [{3.25042}], [{2.89662}], [{2.90703}], [{945.587}]
```

BS21B028

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0228025

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 5

```
[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[0.285491], [{0.133953}], [{0.115358}], [{-0.204641}], [{11.5623}]
[0.546101], [{-0.0869553}], [{0.517963}], [{0.00810162}], [{13.0808}]
[-0.171474], [{0.163684}], [{0.286961}], [{0.438766}], [{7.00076}]
[0.0342049], [{0.44154}], [{0.396151}], [{0.562926}], [{9.09731}]
[0.396645], [{0.345118}], [{0.221191}], [{0.486933}], [{13.0186}]
[0.796281], [{0.398203}], [{0.286011}], [{0.391368}], [{18.7735}]
[0.727834], [{0.735974}], [{0.619321}], [{0.286898}], [{26.0409}]
[0.570735], [{0.901483}], [{0.750834}], [{0.987733}], [{28.4744}]
[0.302718], [{1.74113}], [{0.630428}], [{1.45233}], [{45.7794}]
[0.648332], [{0.764855}], [{0.56794}], [{0.92839}], [{26.6681}]
[0.697774], [{0.846879}], [{0.82625}], [{0.921813}], [{34.5866}]
[0.802054], [{0.841443}], [{0.834495}], [{1.41321}], [{39.4063}]
[1.41127], [{1.64987}], [{1.22529}], [{1.81652}], [{133.367}]
[1.89366], [{1.64833}], [{1.84108}], [{1.80287}], [{205.743}]
[1.60094], [{1.24402}], [{1.75481}], [{1.45897}], [{124.209}]
[2.0481], [{1.61701}], [{1.78452}], [{2.06932}], [{218.339}]
[1.09187], [{1.49364}], [{1.43297}], [{1.90625}], [{112.016}]
[2.16732], [{1.60026}], [{2.25186}], [{1.58493}], [{237.495}]
[1.95111], [{1.59173}], [{1.41246}], [{2.20989}], [{184.341}]
[1.50713], [{1.72174}], [{1.88491}], [{2.09708}], [{196.286}]
[1.94382], [{2.13158}], [{1.89043}], [{1.73912}], [{284.601}]
[2.34461], [{2.18405}], [{1.61572}], [{1.29707}], [{287.707}]
[1.62766], [{2.36463}], [{2.49215}], [{2.11253}], [{366.804}]
[2.45994], [{1.8416}], [{2.44462}], [{2.71958}], [{392.028}]
[3.07475], [{2.47879}], [{2.5453}], [{2.21322}], [{599.4}]
[2.61375], [{2.48753}], [{2.35122}], [{2.11355}], [{505.349}]
[2.6245], [{2.36915}], [{2.56231}], [{1.91332}], [{488.238}]
[2.19021], [{2.49559}], [{2.37532}], [{2.2033}], [{461.417}]
[2.4983], [{2.80197}], [{3.16975}], [{2.36389}], [{717.381}]
[2.97414], [{3.05783}], [{2.8014}], [{2.99806}], [{891.04}]
```

BS21B029

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0470521
Matrix Index 1 = 2, Matrix Index 2 = 2
Parameter No. = 2

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.755197}], [{-0.189704}], [{-0.161959}], [{0.0999377}], [{19.8408}]
[{-0.147718}], [{0.323337}], [{-0.0347432}], [{-0.0224027}], [{8.99987}]
[{-0.418918}], [{0.189228}], [{-0.00631695}], [{0.496998}], [{4.39892}]
[{0.0939869}], [{0.322856}], [{0.682236}], [{0.332429}], [{13.9086}]
[{0.204233}], [{0.812778}], [{0.541843}], [{0.158661}], [{18.9137}]
[{-0.046566}], [{0.926105}], [{0.593525}], [{0.48989}], [{17.4501}]
[{-0.521362}], [{0.235895}], [{0.360907}], [{0.61735}], [{18.9349}]
[{1.2229}], [{0.222056}], [{0.432854}], [{0.940233}], [{32.6135}]
[{0.696764}], [{1.38573}], [{0.945257}], [{0.739114}], [{57.9001}]
[{0.654069}], [{0.604453}], [{0.734779}], [{0.198686}], [{24.046}]
[{1.07091}], [{1.04121}], [{1.11973}], [{1.56984}], [{65.3632}]
[{1.07314}], [{1.30783}], [{0.990145}], [{1.50078}], [{76.1664}]
[{-0.96225}], [{1.31254}], [{1.5815}], [{1.43365}], [{85.854}]
[{1.23658}], [{1.57531}], [{1.69988}], [{1.10409}], [{122.28}]
[{1.11604}], [{1.11489}], [{1.71981}], [{0.928092}], [{76.8553}]
[{1.54614}], [{1.24812}], [{1.65875}], [{1.71154}], [{118.389}]
[{1.7168}], [{1.9274}], [{1.31847}], [{1.71721}], [{188.523}]
[{1.18438}], [{1.20483}], [{1.99773}], [{1.37379}], [{101.889}]
[{2.04766}], [{1.96724}], [{1.75568}], [{1.89352}], [{252.798}]
[{2.2996}], [{2.10881}], [{2.14135}], [{1.94382}], [{333.149}]
[{2.05711}], [{2.04154}], [{1.79125}], [{1.88097}], [{268.27}]
[{2.68056}], [{1.5878}], [{1.43544}], [{2.30583}], [{233.02}]
[{1.94718}], [{2.38146}], [{2.03354}], [{2.23802}], [{353.048}]
[{2.03606}], [{2.16789}], [{2.32017}], [{1.62481}], [{318.573}]
[{2.37148}], [{2.30301}], [{2.51767}], [{2.29929}], [{432.448}]
[{2.28294}], [{2.62073}], [{1.85331}], [{2.92061}], [{451.466}]
[{2.50314}], [{2.18569}], [{2.70753}], [{2.84344}], [{468.329}]
[{3.05295}], [{2.61649}], [{2.46182}], [{2.47809}], [{618.305}]
[{2.69627}], [{2.61804}], [{2.63375}], [{2.54523}], [{589.932}]
[{2.76606}], [{3.23712}], [{2.64703}], [{2.82849}], [{831.956}]
```

BS21B032

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0202277
Matrix Index 1 = 4, Matrix Index 2 = 5
Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.302675}], [{-0.310219}], [{-0.0697047}], [{0.328287}], [{13.9759}]
[{-0.0195562}], [{-0.257607}], [{-0.125008}], [{1.12857}], [{10.4819}]
[{-0.141563}], [{0.0776565}], [{-0.576464}], [{-0.510346}], [{12.2324}]
[{-0.368716}], [{0.730002}], [{0.477154}], [{0.590592}], [{17.2354}]
[{-0.354017}], [{0.61079}], [{-0.0911073}], [{0.140427}], [{14.8083}]
[{-0.125141}], [{0.523903}], [{0.571968}], [{0.471351}], [{12.7416}]
[{-0.00604876}], [{0.195281}], [{0.12934}], [{0.275997}], [{10.0242}]
[{-1.46902}], [{0.692935}], [{1.33436}], [{0.540947}], [{40.1138}]
[{-0.482398}], [{1.02961}], [{0.366023}], [{0.801945}], [{22.6931}]
[{-0.487652}], [{0.578998}], [{1.00386}], [{1.05227}], [{22.494}]
[{-1.10154}], [{0.952538}], [{0.790942}], [{1.19292}], [{42.3807}]]
```

[{1.12549}], [{0.937129}], [{0.819001}], [{0.714313}], [{38.075}]
[{1.51201}], [{1.12155}], [{1.05524}], [{1.60003}], [{66.9701}]
[{1.32971}], [{1.43526}], [{1.19124}], [{1.28106}], [{79.018}]
[{1.81833}], [{1.54379}], [{1.6045}], [{1.61846}], [{127.667}]
[{1.15415}], [{1.65545}], [{1.72868}], [{1.61005}], [{111.348}]
[{1.64152}], [{2.09811}], [{2.00415}], [{1.02785}], [{190.057}]
[{2.13954}], [{1.5996}], [{1.27743}], [{1.54408}], [{129.433}]
[{1.66512}], [{1.87129}], [{2.06463}], [{2.25873}], [{189.897}]
[{1.90481}], [{1.84453}], [{1.98722}], [{2.23787}], [{197.943}]
[{2.11461}], [{2.65449}], [{2.21275}], [{1.61998}], [{347.375}]
[{2.24932}], [{1.67808}], [{1.40892}], [{1.70585}], [{153.07}]
[{2.85994}], [{1.8984}], [{1.87936}], [{2.26216}], [{259.703}]
[{1.78538}], [{2.17686}], [{2.50723}], [{2.343}], [{275.12}]
[{2.03706}], [{3.1329}], [{2.16946}], [{2.66802}], [{471.319}]
[{1.72824}], [{2.24353}], [{2.34721}], [{2.52405}], [{274.461}]
[{2.68649}], [{2.35973}], [{2.78001}], [{2.34692}], [{415.256}]
[{3.11489}], [{2.94369}], [{3.27105}], [{2.40812}], [{684.042}]
[{2.35627}], [{2.59855}], [{2.83348}], [{2.64614}], [{458.946}]
[{3.26413}], [{3.05295}], [{3.26718}], [{2.58812}], [{753.982}]

BS21B033

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0294551

Matrix Index 1 = 2, Matrix Index 2 = 2

Parameter No. = 3

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@ { Y }]
[{-0.365781}], [{0.918115}], [{-0.0846427}], [{-0.433414}], [{3.42089}]
[{-0.15686}], [{-0.187181}], [{0.316797}], [{-0.55296}], [{9.794}]
[{0.181356}], [{0.329715}], [{0.257438}], [{0.107573}], [{13.7328}]
[{0.469856}], [{0.0336078}], [{0.297137}], [{0.169457}], [{17.8033}]
[{0.688366}], [{0.084333}], [{1.03751}], [{0.438621}], [{23.3753}]
[{0.656972}], [{0.020279}], [{0.24452}], [{0.442365}], [{19.2925}]
[{0.0192879}], [{1.09167}], [{0.719269}], [{0.539527}], [{19.2779}]
[{0.510931}], [{0.733648}], [{0.929142}], [{0.715367}], [{26.6117}]
[{0.916403}], [{0.995111}], [{1.03475}], [{0.888224}], [{47.624}]
[{0.413298}], [{1.00318}], [{1.08477}], [{1.07908}], [{34.3071}]
[{0.959342}], [{0.93472}], [{1.09926}], [{0.898489}], [{49.01}]
[{0.737031}], [{0.649373}], [{1.22477}], [{1.36143}], [{37.6684}]
[{1.08272}], [{1.30542}], [{0.947789}], [{1.51883}], [{69.458}]
[{1.38714}], [{1.21986}], [{1.3803}], [{1.76344}], [{95.6432}]
[{1.58933}], [{1.11514}], [{1.29144}], [{1.58984}], [{92.0943}]
[{1.69941}], [{1.12262}], [{1.1556}], [{1.47749}], [{93.4411}]
[{1.91519}], [{1.48777}], [{1.344}], [{1.28126}], [{135.244}]
[{1.69171}], [{2.17893}], [{1.70187}], [{1.55066}], [{229.796}]
[{1.71066}], [{1.74577}], [{2.23156}], [{1.57218}], [{200.665}]
[{2.17646}], [{2.02699}], [{2.39117}], [{2.04566}], [{314.545}]
[{2.06198}], [{1.7995}], [{1.98902}], [{1.95332}], [{234.657}]
[{1.45498}], [{2.10198}], [{1.97761}], [{2.23054}], [{230.208}]
[{2.30845}], [{2.15098}], [{2.65287}], [{2.65393}], [{404.103}]
[{2.50359}], [{2.05584}], [{2.30955}], [{2.10428}], [{346.461}]
[{2.75617}], [{2.42957}], [{2.24035}], [{2.24784}], [{461.23}]
[{2.54131}], [{2.7569}], [{2.54345}], [{2.53576}], [{567.742}]
[{2.27109}], [{2.90158}], [{2.68059}], [{2.33771}], [{571.453}]

```
[{2.72058}], [{2.78457}], [{3.26854}], [{2.83274}], [{718.953}]
[{2.59882}], [{3.1607}], [{2.26409}], [{2.78868}], [{671.778}]
[{3.4943}], [{2.73016}], [{3.04678}], [{2.8853}], [{806.811}]
```

BS21B034

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0418831

Matrix Index 1 = 4, Matrix Index 2 = 2

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{0.326741}], [{-0.0419509}], [{0.119313}], [{0.191685}], [{16.0806}]
[{-0.439632}], [{-0.49712}], [{0.24639}], [{0.181109}], [{4.6336}]
[{-0.15802}], [{0.169088}], [{0.00877541}], [{0.312105}], [{7.32963}]
[{0.22936}], [{-0.0518205}], [{0.971342}], [{0.189356}], [{15.2423}]
[{0.447994}], [{-0.158417}], [{0.730229}], [{0.594303}], [{19.5091}]
[{0.944951}], [{0.742285}], [{0.360504}], [{0.291265}], [{28.867}]
[{0.215648}], [{0.195697}], [{1.02422}], [{0.44688}], [{15.1725}]
[{0.664719}], [{0.337405}], [{1.21483}], [{0.838108}], [{28.0768}]
[{0.770016}], [{0.66425}], [{1.10924}], [{0.418872}], [{31.2594}]
[{0.12885}], [{0.99661}], [{0.941362}], [{1.4269}], [{24.676}]
[{1.20988}], [{0.669323}], [{1.20719}], [{1.39462}], [{60.7458}]
[{1.09913}], [{1.41098}], [{1.51526}], [{0.750695}], [{87.8827}]
[{1.07875}], [{1.34445}], [{1.3487}], [{0.638078}], [{76.8837}]
[{1.57705}], [{1.47424}], [{1.61757}], [{1.55954}], [{143.995}]
[{1.4311}], [{1.42985}], [{1.61349}], [{1.42825}], [{128.889}]
[{1.69611}], [{1.45566}], [{1.60992}], [{1.67648}], [{155.973}]
[{1.83431}], [{0.922851}], [{1.98929}], [{1.35027}], [{127.181}]
[{2.02529}], [{1.33283}], [{1.71872}], [{1.87653}], [{181.342}]
[{2.09032}], [{1.99567}], [{1.54839}], [{2.15895}], [{257.115}]
[{2.26602}], [{1.33416}], [{2.42087}], [{1.91579}], [{253.271}]
[{1.94975}], [{1.60227}], [{1.95942}], [{2.00807}], [{228.54}]
[{2.33068}], [{2.53334}], [{2.31869}], [{2.10234}], [{460.371}]
[{2.56778}], [{2.08144}], [{1.82926}], [{2.32382}], [{354.24}]
[{1.96001}], [{2.45741}], [{2.27383}], [{1.68184}], [{368.843}]
[{3.09092}], [{2.9673}], [{1.97808}], [{2.45758}], [{637.863}]
[{3.02572}], [{2.65303}], [{2.85988}], [{2.30583}], [{686.985}]
[{2.41392}], [{2.37972}], [{2.69264}], [{2.99936}], [{563.06}]
[{2.3951}], [{2.60364}], [{3.08817}], [{2.99153}], [{677.661}]
[{2.71688}], [{2.94357}], [{2.81412}], [{2.65623}], [{749.233}]
[{2.91137}], [{3.26233}], [{2.89733}], [{3.24158}], [{970.645}]
```

BS21B036

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0199655

Matrix Index 1 = 3, Matrix Index 2 = 5

Parameter No. = 5

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.126653}], [{-0.160146}], [{-0.425966}], [{-0.25651}], [{4.17885}]
[{0.127857}], [{-0.118157}], [{-0.571555}], [{0.086896}], [{8.85005}]
[{0.528198}], [{-0.073974}], [{0.372901}], [{0.0938532}], [{14.5827}]
[{1.00602}], [{0.797175}], [{0.507519}], [{0.145039}], [{28.0257}]
[{0.512825}], [{0.642718}], [{0.373411}], [{0.842563}], [{18.0507}]
```

[{0.489889}], [{0.52946}], [{-0.145956}], [{0.03591}], [{12.5068}]
[0.230946], [{0.444314}], [{0.402648}], [{0.475384}], [{12.0821}]
[{1.035}], [{0.540074}], [{0.242949}], [{0.551691}], [{24.5995}]
[{0.0835711}], [{0.534548}], [{0.589478}], [{1.04467}], [{12.4165}]
[{1.244}], [{0.953917}], [{0.382972}], [{0.705413}], [{38.326}]
[{1.03907}], [{0.87987}], [{0.938778}], [{1.05432}], [{43.4565}]
[{0.893284}], [{0.696046}], [{0.789921}], [{1.12805}], [{33.8632}]
[{1.46426}], [{1.35159}], [{1.26134}], [{0.931906}], [{85.3105}]
[{1.28471}], [{0.451048}], [{1.06484}], [{0.895305}], [{39.3081}]
[{1.21702}], [{1.20601}], [{1.72242}], [{1.71073}], [{96.7857}]
[{1.66455}], [{1.28413}], [{1.25583}], [{1.35406}], [{99.0016}]
[{1.47227}], [{1.60257}], [{1.75897}], [{1.8473}], [{147.674}]
[{1.70884}], [{1.43653}], [{1.82042}], [{1.53844}], [{144.899}]
[{2.55887}], [{1.61968}], [{1.80742}], [{1.7242}], [{224.043}]
[{1.67762}], [{1.38481}], [{1.74911}], [{2.29003}], [{158.571}]
[{1.90769}], [{1.63083}], [{1.75777}], [{1.86645}], [{183.227}]
[{1.81961}], [{1.93957}], [{2.22498}], [{2.46305}], [{268.975}]
[{2.20482}], [{2.65688}], [{2.55978}], [{2.25034}], [{462.923}]
[{2.41316}], [{2.134}], [{2.57963}], [{2.68959}], [{416.481}]
[{2.36802}], [{2.42689}], [{2.73321}], [{2.54725}], [{477.206}]
[{2.56084}], [{1.84796}], [{2.59224}], [{2.67467}], [{385.532}]
[{3.22566}], [{2.48621}], [{2.81219}], [{2.07361}], [{577.78}]
[{2.89128}], [{3.01196}], [{2.92318}], [{2.55101}], [{737.435}]
[{3.11672}], [{2.84383}], [{2.30699}], [{2.84616}], [{655.811}]
[{2.77378}], [{2.92839}], [{2.99017}], [{3.09482}], [{751.869}]

BS21B037

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0163438

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 2

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{-0.487969}], [{-0.330292}], [{-0.102723}], [{-0.234774}], [{4.84454}]
[{0.015232}], [{-0.0867206}], [{0.492898}], [{-0.0680015}], [{9.86862}]
[{0.00879916}], [{0.654584}], [{0.710309}], [{-0.308807}], [{12.9072}]
[{0.451979}], [{0.27261}], [{-0.119506}], [{0.172697}], [{14.7523}]
[{0.345377}], [{-0.164098}], [{0.70796}], [{0.748854}], [{16.0772}]
[{0.57067}], [{0.165239}], [{0.504077}], [{0.275237}], [{16.6554}]
[{0.596526}], [{0.462073}], [{0.708845}], [{0.569681}], [{21.656}]
[{0.921751}], [{0.681414}], [{1.10976}], [{0.538379}], [{36.5533}]
[{0.500988}], [{0.796992}], [{0.862977}], [{0.934049}], [{29.163}]
[{0.531157}], [{0.456857}], [{1.44753}], [{1.02994}], [{31.9416}]
[{0.810573}], [{1.47232}], [{1.12318}], [{0.714469}], [{69.8099}]
[{1.02483}], [{0.981076}], [{1.18181}], [{1.13894}], [{61.4203}]
[{0.550216}], [{1.40325}], [{0.883429}], [{0.901896}], [{49.5052}]
[{1.16406}], [{1.91924}], [{1.33947}], [{1.53375}], [{148.876}]
[{1.94875}], [{1.0695}], [{1.52984}], [{1.38905}], [{126.796}]
[{2.14582}], [{1.43203}], [{1.47707}], [{1.65298}], [{180.034}]
[{1.37149}], [{1.18454}], [{2.0853}], [{1.26933}], [{120.199}]
[{1.12556}], [{1.51806}], [{1.42189}], [{2.28569}], [{130.603}]
[{1.62742}], [{1.5361}], [{1.98357}], [{1.9841}], [{199.182}]
[{1.98743}], [{2.21634}], [{1.92604}], [{2.076}], [{335.846}]
[{1.28567}], [{2.06936}], [{2.29949}], [{1.86869}], [{249.879}]]

```
[{2.53051}], [{1.98876}], [{1.64432}], [{1.81731}], [{313.748}]
[{2.36351}], [{2.28643}], [{2.11382}], [{2.47245}], [{440.95}]
[{2.86165}], [{1.60518}], [{1.69054}], [{2.16752}], [{306.302}]
[{1.9751}], [{2.69571}], [{1.75166}], [{2.76779}], [{439.222}]
[{2.33042}], [{1.81553}], [{2.78617}], [{2.39007}], [{411.94}]
[{2.16166}], [{2.26824}], [{2.50635}], [{2.63711}], [{468.01}]
[{1.86025}], [{3.09633}], [{2.51131}], [{2.62218}], [{614.948}]
[{3.05188}], [{2.85382}], [{2.52668}], [{3.07197}], [{830.885}]
[{2.39666}], [{2.65485}], [{2.98745}], [{3.10971}], [{716.082}]
```

BS21B038

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0481798

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{-0.598097}], [{-0.618698}], [{-0.176579}], [{-0.606881}], [{20.8657}]
[{-0.0579067}], [{0.140625}], [{-0.0628678}], [{-0.0445322}], [{12.1141}]
[{-0.202027}], [{0.0855464}], [{0.207199}], [{-0.0142123}], [{13.125}]
[{-0.513145}], [{-0.078299}], [{0.90295}], [{0.19584}], [{18.2802}]
[{-0.121994}], [{0.783131}], [{-0.132879}], [{-0.116861}], [{13.9815}]
[{-0.255161}], [{0.244937}], [{0.827988}], [{0.940181}], [{16.7375}]
[{-1.06397}], [{0.434649}], [{-0.188841}], [{0.35592}], [{24.8666}]
[{-0.489339}], [{0.445565}], [{1.17478}], [{1.09962}], [{26.7523}]
[{-1.10275}], [{0.913656}], [{0.375529}], [{0.944644}], [{43.019}]
[{-1.09628}], [{0.986593}], [{0.459661}], [{0.844971}], [{45.7168}]
[{-0.946956}], [{1.18293}], [{0.342691}], [{1.42733}], [{48.5279}]
[{-0.937905}], [{0.370011}], [{0.682139}], [{1.07794}], [{32.8715}]
[{-1.37466}], [{1.3477}], [{0.993459}], [{0.987309}], [{89.9574}]
[{-1.64953}], [{1.7092}], [{1.5845}], [{1.38644}], [{173.252}]
[{-1.88486}], [{0.943074}], [{1.37584}], [{1.67602}], [{114.296}]
[{-1.49127}], [{1.25979}], [{2.04195}], [{1.44151}], [{137.681}]
[{-1.73241}], [{1.77095}], [{1.44703}], [{1.11835}], [{171.868}]
[{-2.59168}], [{1.94089}], [{1.05783}], [{1.28363}], [{240.73}]
[{-2.09194}], [{2.08739}], [{2.44664}], [{1.88579}], [{354.075}]
[{-1.65657}], [{2.13605}], [{2.51065}], [{2.31708}], [{336.923}]
[{-2.24607}], [{2.26308}], [{1.79122}], [{2.13744}], [{358.968}]
[{-1.73291}], [{1.95375}], [{1.523}], [{2.25056}], [{231.443}]
[{-1.83284}], [{2.01032}], [{2.15322}], [{1.77825}], [{283.128}]
[{-1.99088}], [{2.22512}], [{2.16831}], [{2.09302}], [{354.064}]
[{-3.10233}], [{2.80263}], [{2.21929}], [{2.06327}], [{666.541}]
[{-2.87629}], [{2.98789}], [{2.91158}], [{2.66037}], [{851.462}]
[{-2.58084}], [{2.5387}], [{2.82915}], [{2.54351}], [{620.38}]
[{-2.93205}], [{2.78781}], [{2.68268}], [{2.40929}], [{730.36}]
[{-3.09069}], [{2.96604}], [{2.52659}], [{3.02289}], [{851.021}]
[{-2.80209}], [{2.63879}], [{2.5521}], [{3.08418}], [{692.194}]
```

BS21B039

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0258025

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 4

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.204307}], [{ -0.0285159}], [{ -0.212132}], [{ -0.127344}], [{ 8.53247}]
[{-0.159502}], [{ 0.322148}], [{ -0.00579164}], [{ 0.107365}], [{ 12.212}]
[{-0.295901}], [{ 0.101463}], [{ 0.57558}], [{ -0.0147942}], [{ 7.8959}]
[{ 1.29708}], [{ 0.525773}], [{ 0.294982}], [{ 0.210846}], [{ 31.4614}]
[{ 0.529455}], [{ 0.376606}], [{ 0.838872}], [{ 0.873747}], [{ 23.7638}]
[{ 0.781066}], [{ 0.645078}], [{ 0.450516}], [{ 0.247388}], [{ 28.1184}]
[{ 0.890354}], [{ 0.738454}], [{ 0.037367}], [{ 0.910595}], [{ 26.9666}]
[{ 0.937523}], [{ 0.669412}], [{ 0.32423}], [{ 1.22992}], [{ 32.6731}]
[{ 0.867061}], [{ 0.883686}], [{ 0.973965}], [{ 0.647532}], [{ 41.8323}]
[{ 0.668929}], [{ 1.1583}], [{ 0.794849}], [{ 0.681867}], [{ 43.6319}]
[{ 1.22332}], [{ 1.39996}], [{ 0.854019}], [{ 1.46959}], [{ 78.9685}]
[{ 1.14198}], [{ 1.51083}], [{ 1.83143}], [{ 1.19}], [{ 117.521}]
[{ 0.830759}], [{ 0.861351}], [{ 1.0538}], [{ 1.29914}], [{ 44.8758}]
[{ 1.08796}], [{ 1.4061}], [{ 1.5237}], [{ 0.943062}], [{ 93.0163}]
[{ 1.50173}], [{ 1.53506}], [{ 1.75643}], [{ 1.3147}], [{ 136.79}]
[{ 1.53011}], [{ 1.0511}], [{ 1.01451}], [{ 1.11958}], [{ 71.2678}]
[{ 1.86017}], [{ 0.662214}], [{ 1.65343}], [{ 1.47008}], [{ 84.7675}]
[{ 1.78325}], [{ 1.05844}], [{ 1.97895}], [{ 1.48711}], [{ 116.675}]
[{ 1.16229}], [{ 1.46436}], [{ 1.19481}], [{ 1.45685}], [{ 93.4373}]
[{ 2.74597}], [{ 1.36604}], [{ 2.22444}], [{ 1.62777}], [{ 215.238}]
[{ 2.2226}], [{ 2.41649}], [{ 2.01433}], [{ 1.96129}], [{ 358.852}]
[{ 1.5865}], [{ 2.43884}], [{ 2.31334}], [{ 2.10042}], [{ 336.309}]
[{ 2.22106}], [{ 1.71777}], [{ 2.80126}], [{ 2.53382}], [{ 316.318}]
[{ 2.18854}], [{ 2.05583}], [{ 2.41611}], [{ 2.73305}], [{ 351.965}]
[{ 2.42618}], [{ 1.93995}], [{ 2.0496}], [{ 1.95593}], [{ 288.837}]
[{ 2.5267}], [{ 2.27077}], [{ 2.37469}], [{ 2.94787}], [{ 436.33}]
[{ 2.74875}], [{ 3.18388}], [{ 2.58963}], [{ 3.01407}], [{ 763.587}]
[{ 2.91928}], [{ 2.89015}], [{ 2.71583}], [{ 2.83073}], [{ 701.52}]
[{ 3.23471}], [{ 2.75327}], [{ 2.75711}], [{ 2.8376}], [{ 706.468}]
[{ 2.61174}], [{ 2.69553}], [{ 3.48819}], [{ 2.81991}], [{ 711.146}]

```

BS21B040

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0241084

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 4

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[0.356128], [{ 0.125495}], [{ 0.226084}], [{ 0.305428}], [{ 15.0332}]
[0.0932015], [{ -0.011466}], [{ 0.710821}], [{ -0.288836}], [{ 12.6028}]
[{-0.262127}], [{ 0.255145}], [{ 0.39192}], [{ -0.237325}], [{ 9.4703}]
[{-0.101641}], [{ 0.311683}], [{ 0.197283}], [{ -0.232766}], [{ 11.2222}]
[0.544255], [{ 0.722734}], [{ 0.378963}], [{ 0.573815}], [{ 20.7928}]
[0.521031], [{ 0.183819}], [{ 0.517632}], [{ 0.50443}], [{ 17.2288}]
[0.913304], [{ 1.0507}], [{ 0.683313}], [{ 0.396696}], [{ 36.5605}]
[1.3809], [{ 0.990532}], [{ 0.979745}], [{ 0.885532}], [{ 54.8573}]
[0.624812], [{ 0.788612}], [{ 1.07823}], [{ 0.152777}], [{ 28.2531}]
[0.752526], [{ 0.983103}], [{ 0.559132}], [{ 0.977607}], [{ 33.4321}]
[{ 1.21673}], [{ 0.769499}], [{ 0.994041}], [{ 0.952827}], [{ 43.2088}]
[{ 1.06599}], [{ 0.834168}], [{ 1.06481}], [{ 1.0141}], [{ 44.7059}]
[0.498553], [{ 1.0944}], [{ 1.79943}], [{ 0.261876}], [{ 41.4079}]
[{ 0.64936}], [{ 2.15656}], [{ 0.994596}], [{ 1.42448}], [{ 91.2825}]
[{ 1.78202}], [{ 1.74809}], [{ 1.26094}], [{ 1.44703}], [{ 140.069}]

```

```
[[{1.66168}], [{1.14266}], [{1.76401}], [{0.71094}], [{83.8193}]
[{{1.12248}], [{1.51494}], [{1.44047}], [{1.58207}], [{98.098}]
[{{1.35035}], [{1.82327}], [{1.28396}], [{1.20694}], [{119.178}]
[{{1.80129}], [{1.75155}], [{2.22386}], [{2.09886}], [{219.609}]
[{{1.32768}], [{2.13162}], [{1.88834}], [{2.30782}], [{207.829}]
[{{2.14284}], [{2.05563}], [{2.1602}], [{2.29645}], [{296.691}]
[{{2.1197}], [{1.97312}], [{2.07583}], [{2.20713}], [{273.05}]
[{{1.64864}], [{2.40193}], [{2.3158}], [{2.13308}], [{304.543}]
[{{1.81037}], [{2.44678}], [{2.27963}], [{2.46338}], [{343.261}]
[{{2.78408}], [{2.42682}], [{2.67257}], [{2.07201}], [{472.759}]
[{{2.1949}], [{2.55099}], [{2.42342}], [{3.03672}], [{457.106}]
[{{1.98264}], [{2.50307}], [{2.62163}], [{3.35523}], [{458.441}]
[{{2.78037}], [{2.74554}], [{2.48342}], [{2.82762}], [{580.81}]
[{{3.07333}], [{2.68873}], [{3.21824}], [{2.60231}], [{698.911}]
[{{3.15818}], [{2.98642}], [{2.5393}], [{2.62533}], [{696.354}]
```

BS21B041

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0432094

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 1

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{-0.333271}], [{0.124119}], [{-0.0268811}], [{-0.124865}], [{5.35112}]
[{-0.148088}], [{-0.315721}], [{0.111894}], [{0.0986562}], [{8.15392}]
[{{0.420468}], [{-0.315658}], [{-0.172515}], [{-0.0977593}], [{11.4739}]
[{{0.226224}], [{0.161506}], [{0.632426}], [{0.71154}], [{14.2335}]
[{{0.731201}], [{0.316057}], [{0.237181}], [{-0.11133}], [{19.5936}]
[{{0.0471107}], [{0.493624}], [{0.510382}], [{0.0328098}], [{11.0858}]
[{{1.02288}], [{0.668689}], [{0.555833}], [{0.674801}], [{31.7801}]
[{{0.958173}], [{0.414302}], [{0.515721}], [{0.239865}], [{23.1847}]
[{{0.623095}], [{0.854717}], [{1.1839}], [{1.5861}], [{43.4297}]
[{{0.801581}], [{0.651275}], [{0.924084}], [{1.22551}], [{37.1677}]
[{{0.910041}], [{1.27674}], [{0.726032}], [{1.10087}], [{52.3547}]
[{{1.30216}], [{0.556208}], [{1.5353}], [{1.6832}], [{71.8732}]
[{{1.28665}], [{1.53913}], [{1.21758}], [{1.0186}], [{95.8325}]
[{{1.27023}], [{1.47828}], [{1.54579}], [{1.4524}], [{113.71}]
[{{1.29518}], [{1.65393}], [{1.22517}], [{0.685387}], [{99.1723}]
[{{1.21986}], [{1.49974}], [{1.58741}], [{1.58048}], [{116.009}]
[{{2.02531}], [{1.88041}], [{1.86288}], [{1.40976}], [{220.51}]
[{{1.59658}], [{1.54035}], [{1.81478}], [{1.20357}], [{143.653}]
[{{1.71586}], [{1.6109}], [{2.32949}], [{1.75675}], [{208.295}]
[{{2.15871}], [{2.19072}], [{1.92385}], [{2.125}], [{315.73}]
[{{2.38877}], [{1.63375}], [{2.31364}], [{1.96545}], [{277.455}]
[{{1.68336}], [{2.20907}], [{1.8631}], [{2.27632}], [{271.04}]
[{{2.73283}], [{2.05278}], [{2.60626}], [{2.54894}], [{457.356}]
[{{3.04351}], [{1.65202}], [{2.36989}], [{2.02156}], [{347.728}]
[{{2.61118}], [{2.39724}], [{1.95457}], [{2.53874}], [{429.475}]
[{{2.65152}], [{2.57813}], [{2.34927}], [{2.16044}], [{499.408}]
[{{2.28815}], [{2.75396}], [{2.92962}], [{2.53848}], [{598.247}]
[{{3.10486}], [{2.80486}], [{2.34227}], [{2.34048}], [{631.626}]
[{{3.32151}], [{3.097}], [{3.15629}], [{2.85582}], [{964.684}]
[{{3.24566}], [{2.13891}], [{3.1183}], [{2.78357}], [{642.31}]
```

CE19B005

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0181634

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 2

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.146212}],[{0.405325}],[{0.242666}],[{0.0630276}],[{9.34866}]
[{0.28401}],[{0.160942}],[{-0.28063}],[{-0.442634}],[{14.7579}]
[{-0.0807563}],[{0.0454498}],[{0.219016}],[{0.286921}],[{10.2743}]
[{0.10657}],[{0.198498}],[{0.533715}],[{0.344073}],[{13.6031}]
[{0.242932}],[{1.01844}],[{0.612975}],[{0.806394}],[{23.1434}]
[{0.749084}],[{0.738751}],[{0.726546}],[{0.470019}],[{28.1847}]
[{0.665778}],[{0.529778}],[{0.732886}],[{0.595753}],[{23.9544}]
[{0.631405}],[{0.607373}],[{0.641265}],[{0.311673}],[{22.7529}]
[{0.707885}],[{1.134}],[{0.790691}],[{0.800198}],[{40.2907}]
[{0.96851}],[{0.774745}],[{0.91261}],[{0.565373}],[{35.861}]
[{0.209113}],[{0.686572}],[{1.72178}],[{0.886538}],[{26.8962}]
[{0.862031}],[{0.448917}],[{1.00864}],[{1.08914}],[{33.3734}]
[{1.22645}],[{1.11052}],[{1.56346}],[{1.38367}],[{82.3252}]
[{0.77206}],[{1.38982}],[{1.77506}],[{1.038}],[{76.1828}]
[{1.48846}],[{1.51537}],[{1.78793}],[{0.572846}],[{107.326}]
[{1.14104}],[{1.20137}],[{1.43827}],[{1.31471}],[{77.5165}]
[{1.59472}],[{1.30799}],[{1.63135}],[{1.8375}],[{125.969}]
[{1.56207}],[{1.74846}],[{2.05657}],[{1.66204}],[{180.823}]
[{1.8291}],[{2.73638}],[{2.02219}],[{2.22283}],[{371.756}]
[{1.66336}],[{1.94691}],[{2.07328}],[{1.62725}],[{211.638}]
[{2.67987}],[{2.44933}],[{2.54666}],[{1.88416}],[{449.881}]
[{1.56062}],[{2.58301}],[{2.03849}],[{1.93231}],[{305.218}]
[{2.42703}],[{2.18501}],[{2.40342}],[{1.94026}],[{358.759}]
[{2.85314}],[{2.1731}],[{2.47604}],[{2.80008}],[{470.224}]
[{3.01479}],[{2.84745}],[{1.3909}],[{2.13596}],[{445.686}]
[{1.85932}],[{2.60485}],[{2.50759}],[{2.69257}],[{425.705}]
[{2.46705}],[{2.06439}],[{2.92022}],[{2.67922}],[{441.138}]
[{2.8804}],[{2.88558}],[{2.65717}],[{2.70679}],[{665.04}]
[{2.40995}],[{2.51005}],[{3.03173}],[{2.35161}],[{519.285}]
[{2.69436}],[{2.80652}],[{2.62646}],[{2.45706}],[{589.712}]
```

CE19B006

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0457074

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 2

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{0.296806}],[{0.188562}],[{-0.136591}],[{0.190546}],[{12.9114}]
[{0.322289}],[{0.12755}],[{0.0178374}],[{-0.618909}],[{16.0364}]
[{0.0602849}],[{0.211385}],[{0.823967}],[{0.208402}],[{10.6791}]
[{0.259012}],[{0.316271}],[{0.0290056}],[{0.840635}],[{13.7801}]
[{0.518112}],[{-0.163603}],[{0.766047}],[{0.781052}],[{19.2219}]
[{0.697831}],[{0.271347}],[{0.220729}],[{0.0907382}],[{18.4922}]
[{0.455486}],[{0.789182}],[{0.577709}],[{0.727115}],[{24.4497}]
[{0.493066}],[{0.557382}],[{0.507842}],[{0.434128}],[{19.8066}]
[{0.445775}],[{0.8394}],[{0.710174}],[{0.497372}],[{25.1095}]]
```

[{0.812091}], [{0.986672}], [{0.80522}], [{0.325135}], [{41.2664}]
[{1.24269}], [{0.79041}], [{1.11289}], [{0.644667}], [{51.9645}]
[{0.744246}], [{1.21762}], [{1.06016}], [{0.851246}], [{54.7823}]
[{1.14113}], [{1.5224}], [{0.84491}], [{0.994158}], [{88.468}]
[{1.50387}], [{0.843009}], [{1.6238}], [{1.70939}], [{98.7838}]
[{1.98021}], [{1.6088}], [{1.40307}], [{1.69227}], [{186.303}]
[{1.70304}], [{1.77308}], [{1.25701}], [{1.03566}], [{161.806}]
[{1.63937}], [{1.5502}], [{1.74902}], [{1.49597}], [{173.691}]
[{1.69899}], [{1.71084}], [{1.20776}], [{1.59977}], [{163.206}]
[{1.28251}], [{1.97932}], [{2.12676}], [{2.29837}], [{257.251}]
[{1.52628}], [{1.86671}], [{1.9493}], [{1.50392}], [{223.466}]
[{2.14762}], [{2.26914}], [{1.29477}], [{1.77984}], [{294.598}]
[{2.43116}], [{1.60353}], [{1.71598}], [{2.25541}], [{265.799}]
[{2.32271}], [{1.86387}], [{2.12068}], [{2.61259}], [{363.634}]
[{2.19069}], [{2.25662}], [{2.09267}], [{1.71371}], [{381.93}]
[{1.63573}], [{2.02935}], [{2.07818}], [{1.32635}], [{260.643}]
[{2.45609}], [{2.32154}], [{2.38034}], [{2.96539}], [{544.774}]
[{2.53921}], [{2.50115}], [{2.86436}], [{2.35217}], [{637.691}]
[{2.77363}], [{3.11118}], [{2.86433}], [{2.25931}], [{895.641}]
[{2.67247}], [{2.82402}], [{3.41674}], [{2.75742}], [{911.443}]
[{2.89134}], [{3.13983}], [{2.70121}], [{2.64702}], [{933.392}]

CE19B009

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0142204

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.374212}], [{0.289251}], [{-0.606435}], [{0.158292}], [{13.3561}]
[{0.333864}], [{0.102545}], [{0.483968}], [{0.566933}], [{13.1539}]
[{0.0637045}], [{0.413014}], [{0.15217}], [{0.601852}], [{9.92369}]
[{0.401186}], [{0.612263}], [{-0.234832}], [{0.802757}], [{13.7476}]
[{0.780368}], [{0.306437}], [{0.0454732}], [{0.441126}], [{19.5656}]
[{0.152904}], [{0.240982}], [{0.205913}], [{0.495312}], [{11.1185}]
[{0.528095}], [{0.494147}], [{0.553824}], [{0.293678}], [{18.2574}]
[{1.11836}], [{0.0704561}], [{1.16347}], [{0.359614}], [{26.5525}]
[{1.47524}], [{0.600437}], [{1.12643}], [{1.2266}], [{58.5396}]
[{0.878403}], [{0.691703}], [{0.753877}], [{0.81674}], [{33.5638}]
[{0.868197}], [{1.8247}], [{0.972097}], [{0.622424}], [{93.4669}]
[{1.50579}], [{1.30264}], [{0.952327}], [{0.90489}], [{86.6671}]
[{1.51316}], [{1.85043}], [{1.43725}], [{0.908411}], [{160.785}]
[{1.69225}], [{0.889558}], [{1.35624}], [{0.782652}], [{75.6897}]
[{1.62024}], [{1.7965}], [{1.61998}], [{1.77087}], [{196.085}]
[{1.42934}], [{1.59716}], [{1.33731}], [{2.01402}], [{146.322}]
[{1.50179}], [{1.20251}], [{1.92276}], [{1.55522}], [{130.61}]
[{1.19553}], [{1.83576}], [{1.87845}], [{1.60453}], [{176.713}]
[{1.55761}], [{2.17133}], [{1.94799}], [{2.09211}], [{280.996}]
[{1.8535}], [{2.25989}], [{1.94647}], [{1.67399}], [{313.176}]
[{2.009}], [{2.21392}], [{1.43707}], [{1.82489}], [{278.288}]
[{2.44612}], [{2.04712}], [{2.00287}], [{2.32964}], [{369.999}]
[{2.13099}], [{1.70045}], [{2.41459}], [{2.44872}], [{318.186}]
[{2.39483}], [{2.29278}], [{1.81881}], [{2.31354}], [{394.846}]
[{1.81771}], [{2.40566}], [{2.36245}], [{2.3289}], [{408.483}]]

```
[{2.50801}], [{1.92789}], [{2.93496}], [{2.38944}], [{454.493}]
[{2.24855}], [{2.39654}], [{3.01761}], [{2.45752}], [{554.102}]
[{3.27329}], [{2.77369}], [{3.05612}], [{2.46289}], [{857.132}]
[{2.82818}], [{2.36294}], [{2.82425}], [{2.81924}], [{638.937}]
[{2.9853}], [{2.55145}], [{3.10275}], [{3.01379}], [{788.674}]
```

CE19B010

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0126064

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.346683}], [{-0.133091}], [{0.226361}], [{-0.341716}], [{5.94437}]
[{-0.393555}], [{0.853802}], [{0.0834664}], [{0.629806}], [{3.43625}]
[{0.778963}], [{0.0833226}], [{0.0785399}], [{0.103084}], [{19.789}]
[{0.0298865}], [{-0.00341372}], [{0.220047}], [{0.206267}], [{10.135}]
[{0.497519}], [{0.479141}], [{0.285842}], [{0.569536}], [{17.5341}]
[{0.0575715}], [{0.163308}], [{0.917156}], [{0.282845}], [{9.39013}]
[{0.490145}], [{1.12786}], [{0.527047}], [{1.24789}], [{30.4511}]
[{0.61166}], [{0.478976}], [{0.755928}], [{0.115173}], [{19.8132}]
[{1.25142}], [{0.656136}], [{0.988012}], [{0.592242}], [{38.1576}]
[{1.04666}], [{0.737967}], [{1.02792}], [{0.502695}], [{36.8128}]
[{0.932845}], [{0.794403}], [{1.07005}], [{1.28037}], [{44.34}]
[{1.63412}], [{0.752422}], [{1.29824}], [{0.589976}], [{55.5152}]
[{0.737593}], [{1.17912}], [{1.57342}], [{1.11262}], [{63.0388}]
[{0.974593}], [{0.971546}], [{1.19591}], [{1.42207}], [{57.5237}]
[{1.11739}], [{1.36952}], [{0.996817}], [{1.51486}], [{79.4883}]
[{2.14875}], [{1.61802}], [{1.13783}], [{1.66151}], [{163.148}]
[{2.07925}], [{1.3699}], [{1.34644}], [{1.8362}], [{148.061}]
[{1.48393}], [{1.41003}], [{1.45533}], [{2.02239}], [{130.24}]
[{1.42648}], [{1.23221}], [{1.45369}], [{1.79951}], [{105.639}]
[{1.99552}], [{1.84113}], [{2.46916}], [{2.14609}], [{290.627}]
[{1.79356}], [{2.3712}], [{1.92763}], [{1.85011}], [{306.347}]
[{2.14273}], [{2.29232}], [{1.97269}], [{2.08896}], [{341.701}]
[{2.11438}], [{2.07637}], [{2.16277}], [{1.69656}], [{299.02}]
[{2.79169}], [{2.48326}], [{1.73392}], [{1.92973}], [{420.772}]
[{2.10085}], [{1.88092}], [{2.28185}], [{1.94319}], [{282.521}]
[{1.66292}], [{2.27843}], [{2.3533}], [{2.23474}], [{328.232}]
[{3.47915}], [{2.76664}], [{2.70169}], [{3.04279}], [{818.682}]
[{2.54281}], [{2.78859}], [{2.91198}], [{2.49513}], [{655.948}]
[{2.99246}], [{2.69628}], [{2.91733}], [{3.01787}], [{748.003}]
[{3.08029}], [{3.31174}], [{2.55833}], [{3.09367}], [{925.336}]
```

CE19B014

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0319493

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{0.233711}], [{0.0937448}], [{0.106038}], [{0.00661179}], [{14.2949}]
[{0.459663}], [{-0.233624}], [{-0.141765}], [{0.105553}], [{15.6319}]
[{-0.0114305}], [{0.116085}], [{0.0823902}], [{0.377099}], [{8.86684}]
```

```

[ { 0.350546 } ], [ { 0.343996 } ], [ { 0.259479 } ], [ { 0.100295 } ], [ { 14.1489 } ]
[ { 0.0311782 } ], [ { 0.585816 } ], [ { 0.567423 } ], [ { 0.909085 } ], [ { 12.798 } ]
[ { 0.624735 } ], [ { 0.827186 } ], [ { 0.459542 } ], [ { 0.918478 } ], [ { 28.5843 } ]
[ { 0.927608 } ], [ { 0.425897 } ], [ { 0.50027 } ], [ { 0.337833 } ], [ { 26.8505 } ]
[ { 0.842874 } ], [ { 0.285203 } ], [ { 0.326057 } ], [ { 1.1123 } ], [ { 24.8049 } ]
[ { 0.847161 } ], [ { 0.962407 } ], [ { 1.12406 } ], [ { 0.231976 } ], [ { 40.976 } ]
[ { 2.20953 } ], [ { 1.34058 } ], [ { 1.09481 } ], [ { 1.13044 } ], [ { 128.419 } ]
[ { 0.705855 } ], [ { 1.17359 } ], [ { 1.14333 } ], [ { 1.07997 } ], [ { 57.3536 } ]
[ { 1.06701 } ], [ { 1.00392 } ], [ { 0.594229 } ], [ { 1.13338 } ], [ { 46.2993 } ]
[ { 1.01354 } ], [ { 0.831833 } ], [ { 1.10534 } ], [ { 1.32354 } ], [ { 54.685 } ]
[ { 1.04203 } ], [ { 0.971934 } ], [ { 1.1768 } ], [ { 1.55675 } ], [ { 68.3878 } ]
[ { 1.73958 } ], [ { 1.53458 } ], [ { 1.46681 } ], [ { 1.50728 } ], [ { 156.01 } ]
[ { 1.55277 } ], [ { 1.4457 } ], [ { 1.78173 } ], [ { 1.21553 } ], [ { 143.668 } ]
[ { 1.17799 } ], [ { 1.24893 } ], [ { 1.66725 } ], [ { 1.52887 } ], [ { 108.614 } ]
[ { 1.57306 } ], [ { 1.60056 } ], [ { 1.45378 } ], [ { 0.823546 } ], [ { 129.197 } ]
[ { 1.84492 } ], [ { 1.57219 } ], [ { 1.58267 } ], [ { 2.02146 } ], [ { 192.807 } ]
[ { 1.82042 } ], [ { 1.88141 } ], [ { 1.33711 } ], [ { 1.58086 } ], [ { 193.169 } ]
[ { 1.77611 } ], [ { 1.27355 } ], [ { 1.85627 } ], [ { 1.95214 } ], [ { 171.138 } ]
[ { 2.09945 } ], [ { 1.82486 } ], [ { 2.09071 } ], [ { 2.13343 } ], [ { 293.46 } ]
[ { 2.05892 } ], [ { 2.06221 } ], [ { 2.02575 } ], [ { 2.34578 } ], [ { 333.649 } ]
[ { 2.34095 } ], [ { 2.04465 } ], [ { 2.22659 } ], [ { 2.76602 } ], [ { 412.702 } ]
[ { 2.58586 } ], [ { 2.26385 } ], [ { 2.01161 } ], [ { 1.78786 } ], [ { 394.597 } ]
[ { 2.44246 } ], [ { 2.1409 } ], [ { 2.34435 } ], [ { 3.3407 } ], [ { 502.966 } ]
[ { 2.30816 } ], [ { 2.33373 } ], [ { 3.09284 } ], [ { 2.90028 } ], [ { 605.229 } ]
[ { 2.55434 } ], [ { 2.23164 } ], [ { 2.57026 } ], [ { 3.01523 } ], [ { 549.068 } ]
[ { 2.56541 } ], [ { 3.09401 } ], [ { 2.806 } ], [ { 2.98066 } ], [ { 840.831 } ]
[ { 2.94599 } ], [ { 3.35752 } ], [ { 2.74044 } ], [ { 2.38718 } ], [ { 940.954 } ]

```

CE19B016

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0169457

Matrix Index 1 = 2, Matrix Index 2 = 4

Parameter No. = 5

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[ { 0.949595 } ], [ { -0.425707 } ], [ { -0.0864447 } ], [ { 0.0816868 } ], [ { 21.1022 } ]
[ { -0.227403 } ], [ { -0.0831765 } ], [ { 0.329064 } ], [ { 0.149826 } ], [ { 9.28999 } ]
[ { 0.746569 } ], [ { 0.503132 } ], [ { -0.10983 } ], [ { 0.565855 } ], [ { 21.3711 } ]
[ { -0.169946 } ], [ { 0.49405 } ], [ { 0.265931 } ], [ { 0.438335 } ], [ { 10.687 } ]
[ { 0.426076 } ], [ { 0.519171 } ], [ { 0.381841 } ], [ { 0.429551 } ], [ { 19.9543 } ]
[ { 0.359788 } ], [ { 0.667096 } ], [ { 0.573427 } ], [ { 0.278011 } ], [ { 20.3241 } ]
[ { 1.14063 } ], [ { 0.428928 } ], [ { 1.01944 } ], [ { 0.402172 } ], [ { 31.8222 } ]
[ { 0.819216 } ], [ { 0.828682 } ], [ { 0.867177 } ], [ { 0.679841 } ], [ { 38.0097 } ]
[ { 0.981346 } ], [ { 0.427419 } ], [ { 0.378562 } ], [ { 0.861052 } ], [ { 27.7586 } ]
[ { 1.05271 } ], [ { 1.25657 } ], [ { 1.01899 } ], [ { 1.00571 } ], [ { 67.9465 } ]
[ { 1.45461 } ], [ { 1.25932 } ], [ { 1.72916 } ], [ { 1.01441 } ], [ { 103.862 } ]
[ { 0.9558 } ], [ { 1.29959 } ], [ { 0.814167 } ], [ { 0.9865 } ], [ { 61.3513 } ]
[ { 1.10181 } ], [ { 0.960914 } ], [ { 1.49817 } ], [ { 0.906449 } ], [ { 62.7824 } ]
[ { 1.82123 } ], [ { 1.62223 } ], [ { 1.38289 } ], [ { 0.975502 } ], [ { 145.555 } ]
[ { 0.951689 } ], [ { 1.65802 } ], [ { 1.31096 } ], [ { 1.55029 } ], [ { 105.219 } ]
[ { 1.13708 } ], [ { 1.20086 } ], [ { 1.72242 } ], [ { 1.30464 } ], [ { 90.0296 } ]
[ { 1.62869 } ], [ { 1.23055 } ], [ { 1.60622 } ], [ { 1.91885 } ], [ { 127.68 } ]
[ { 1.57694 } ], [ { 1.92245 } ], [ { 1.92984 } ], [ { 1.54829 } ], [ { 211.956 } ]
[ { 2.03176 } ], [ { 1.83963 } ], [ { 1.82729 } ], [ { 2.0394 } ], [ { 246.323 } ]

```

```
[{2.24468}], [{2.1839}], [{2.53799}], [{2.09362}], [{393.949}]
[{1.91569}], [{1.68973}], [{1.91953}], [{2.26331}], [{227.36}]
[{2.24026}], [{1.62887}], [{1.77487}], [{2.76159}], [{253.682}]
[{2.32541}], [{2.10693}], [{2.22915}], [{1.72792}], [{339.991}]
[{2.12329}], [{2.36629}], [{2.64827}], [{2.36179}], [{445.53}]
[{2.07726}], [{2.49399}], [{2.3334}], [{2.62891}], [{449.633}]
[{2.34996}], [{1.93659}], [{2.80975}], [{2.38776}], [{390.493}]
[{2.53739}], [{2.59834}], [{2.67934}], [{2.53698}], [{581.082}]
[{2.0532}], [{2.26811}], [{3.01323}], [{2.70079}], [{467.07}]
[{2.92696}], [{3.21571}], [{2.67883}], [{2.8095}], [{883.884}]
[{2.74952}], [{2.0281}], [{2.76051}], [{3.02264}], [{498.114}]
```

CE19B018

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0385833

Matrix Index 1 = 3, Matrix Index 2 = 5

Parameter No. = 5

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.158342}], [{0.011373}], [{-0.56572}], [{-0.178924}], [{6.80755}]
[{0.366832}], [{0.400991}], [{-0.135078}], [{0.66322}], [{15.0282}]
[{0.51809}], [{-0.326155}], [{0.387431}], [{0.280262}], [{18.2506}]
[{0.497632}], [{0.576194}], [{0.264696}], [{0.0789506}], [{18.247}]
[{0.611313}], [{0.39813}], [{0.113949}], [{0.159367}], [{18.5786}]
[{0.948406}], [{0.028738}], [{0.471504}], [{0.53881}], [{22.6574}]
[{0.390608}], [{1.12739}], [{0.504429}], [{0.388085}], [{29.7356}]
[{0.295192}], [{0.770857}], [{0.74394}], [{0.332792}], [{19.5826}]
[{0.820029}], [{0.721509}], [{1.23497}], [{0.687299}], [{40.1009}]
[{0.582836}], [{0.219493}], [{1.02692}], [{0.266876}], [{19.5788}]
[{1.00687}], [{0.959537}], [{0.966006}], [{1.12912}], [{54.7659}]
[{1.04138}], [{1.10645}], [{0.706534}], [{1.04601}], [{56.5572}]
[{1.34939}], [{1.3704}], [{1.30282}], [{1.02278}], [{106.639}]
[{1.58828}], [{1.82218}], [{1.46512}], [{1.3068}], [{187.663}]
[{1.32875}], [{1.38594}], [{1.49146}], [{1.90417}], [{137.66}]
[{1.42804}], [{1.41171}], [{0.95623}], [{1.95161}], [{116.742}]
[{1.08448}], [{1.30043}], [{1.40056}], [{1.44209}], [{100.052}]
[{1.59931}], [{2.04102}], [{1.48477}], [{1.80296}], [{239.654}]
[{1.97745}], [{1.37586}], [{2.26263}], [{1.62513}], [{219.743}]
[{1.98297}], [{1.82362}], [{2.35723}], [{2.5206}], [{356.923}]
[{1.65067}], [{1.89387}], [{1.60674}], [{1.79541}], [{232.103}]
[{1.67209}], [{1.85597}], [{2.19944}], [{2.27429}], [{297.762}]
[{1.83889}], [{2.08506}], [{2.09321}], [{2.30452}], [{351.766}]
[{2.48974}], [{2.6878}], [{2.01304}], [{1.89374}], [{561.004}]
[{2.11619}], [{2.05859}], [{2.543}], [{2.97571}], [{480.028}]
[{2.80653}], [{2.69085}], [{2.7065}], [{2.52837}], [{777.586}]
[{2.65942}], [{2.09578}], [{3.08431}], [{2.53236}], [{610.442}]
[{2.84548}], [{2.36461}], [{2.79135}], [{2.38221}], [{668.659}]
[{2.66705}], [{2.6429}], [{3.27929}], [{2.77891}], [{857.64}]
[{2.45338}], [{2.93888}], [{3.04851}], [{2.87952}], [{895.148}]]
```

CE19B024

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0407968

Matrix Index 1 = 3, Matrix Index 2 = 1

Parameter No. = 1

```
[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.353157}},{ {{0.412331}}},{{{-0.0472052}}},{{{-0.0779935}}},{{14.1487}}]
[{{0.329255}},{ {{0.0182163}}},{{0.185548}},{{-0.407259}},{{12.7128}}]
[{{-0.116167}},{ {{-0.144723}}},{{0.492329}},{{0.191101}},{{8.79397}}]
[{{0.330278}},{ {{-0.0943707}}},{{0.529133}},{{0.561727}},{{12.9523}}]
[{{0.423106}},{ {{0.367663}}},{{0.816498}},{{0.492715}},{{17.9038}}]
[{{0.355724}},{ {{0.455628}}},{{0.747176}},{{0.772143}},{{17.4601}}]
[{{0.724792}},{ {{0.303301}}},{{0.975698}},{{0.511115}},{{21.855}}]
[{{0.71774}},{ {{0.0935322}}},{{0.571923}},{{0.401067}},{{18.9603}}]
[{{0.9004}},{ {{0.524354}}},{{0.598199}},{{1.34617}},{{31.7527}}]
[{{0.614605}},{ {{1.11711}}},{{0.451531}},{{0.745349}},{{29.9575}}]
[{{1.06541}},{ {{1.03329}}},{{0.889283}},{{1.31927}},{{54.1531}}]
[{{1.12625}},{ {{0.506565}}},{{1.31754}},{{0.807588}},{{40.7892}}]
[{{1.20011}},{ {{1.04121}}},{{1.05445}},{{1.39862}},{{66.2903}}]
[{{1.54968}},{ {{1.62377}}},{{1.1659}},{{1.58867}},{{126.187}}]
[{{1.28826}},{ {{1.84273}}},{{1.20429}},{{1.93837}},{{138.162}}]
[{{1.30042}},{ {{1.62133}}},{{1.24419}},{{1.11914}},{{105.765}}]
[{{1.30603}},{ {{1.35712}}},{{1.80357}},{{1.27153}},{{111.751}}]
[{{1.77495}},{ {{1.695}}},{{1.50392}},{{1.57802}},{{165.454}}]
[{{1.75239}},{ {{1.75637}}},{{1.20324}},{{2.06988}},{{165.165}}]
[{{1.61867}},{ {{1.83384}}},{{1.40335}},{{1.63346}},{{166.037}}]
[{{1.86569}},{ {{2.00856}}},{{1.8021}},{{2.39681}},{{264.657}}]
[{{2.45635}},{ {{2.18313}}},{{2.10462}},{{2.10294}},{{368.587}}]
[{{2.31488}},{ {{2.60742}}},{{2.21744}},{{2.53679}},{{479.499}}]
[{{2.91733}},{ {{1.84137}}},{{2.49646}},{{2.33724}},{{415.02}}]
[{{2.37595}},{ {{2.6721}}},{{2.31892}},{{1.90658}},{{475.156}}]
[{{2.48291}},{ {{2.64378}}},{{2.3214}},{{2.7965}},{{543.967}}]
[{{2.63319}},{ {{2.19373}}},{{2.74885}},{{2.69946}},{{512.917}}]
[{{2.76222}},{ {{2.37803}}},{{2.99785}},{{3.12278}},{{654.355}}]
[{{3.01584}},{ {{2.56172}}},{{2.54479}},{{2.90717}},{{651.042}}]
[{{3.05519}},{ {{3.15556}}},{{3.2766}},{{3.5746}},{{1064.38}}]
```

CE19B025

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0284598

Matrix Index 1 = 5, Matrix Index 2 = 5

Parameter No. = 1

```
[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.0739848}},{ {{-0.19549}}},{{0.099681}},{{-0.20331}},{{10.6991}}]
[{{0.442739}},{ {{0.290746}}},{{-0.16258}},{{0.156299}},{{15.1133}}]
[{{0.383791}},{ {{0.117904}}},{{-0.0585993}},{{-0.223078}},{{15.9093}}]
[{{0.248931}},{ {{0.310135}}},{{0.800664}},{{0.672323}},{{16.7923}}]
[{{0.24585}},{ {{0.911981}}},{{1.40376}},{{0.37301}},{{25.7024}}]
[{{0.679054}},{ {{0.345328}}},{{0.328782}},{{-0.0347167}},{{16.6266}}]
[{{0.756354}},{ {{0.559447}}},{{0.416351}},{{0.222555}},{{21.292}}]
[{{0.831799}},{ {{0.519352}}},{{0.842602}},{{0.590948}},{{26.9928}}]
[{{0.419297}},{ {{0.199583}}},{{0.04657}},{{0.667259}},{{19.5517}}]
[{{0.774838}},{ {{0.582019}}},{{1.32161}},{{1.30636}},{{41.2141}}]
[{{1.21859}},{ {{1.08856}}},{{0.971968}},{{0.767532}},{{58.0262}}]
[{{1.11541}},{ {{1.14659}}},{{0.91664}},{{1.15352}},{{60.0759}}]
[{{1.18225}},{ {{1.33342}}},{{1.04653}},{{1.5155}},{{81.7871}}]
```

[{1.17189}], [{0.925934}], [{0.927201}], [{1.34025}], [{57.0749}]
 [{1.87301}], [{1.0979}], [{1.65424}], [{1.05695}], [{109.078}]
 [{1.20741}], [{1.88436}], [{1.13744}], [{1.51896}], [{127.459}]
 [{1.19126}], [{1.41853}], [{1.81199}], [{2.12142}], [{131.862}]
 [{2.30134}], [{1.63863}], [{1.58761}], [{1.21116}], [{186.747}]
 [{1.49826}], [{1.4223}], [{2.06688}], [{1.76693}], [{160.085}]
 [{1.53861}], [{1.89805}], [{2.00629}], [{1.55063}], [{205.068}]
 [{1.84407}], [{2.16471}], [{2.50426}], [{2.17392}], [{341.223}]
 [{2.06032}], [{2.67411}], [{1.89618}], [{2.46352}], [{414.565}]
 [{2.0242}], [{1.9548}], [{1.23612}], [{1.92003}], [{206.051}]
 [{2.54757}], [{2.36262}], [{2.68717}], [{2.67694}], [{532.459}]
 [{2.72648}], [{3.11969}], [{2.30918}], [{1.5038}], [{623.88}]
 [{2.43773}], [{2.17891}], [{2.23334}], [{2.35323}], [{397.587}]
 [{2.47687}], [{2.48446}], [{2.52823}], [{2.4702}], [{515.586}]
 [{2.65299}], [{2.57913}], [{2.8608}], [{2.80593}], [{639.57}]
 [{2.7858}], [{2.86851}], [{2.63042}], [{2.89139}], [{717.949}]
 [{2.7402}], [{2.67072}], [{3.14202}], [{2.55494}], [{697.811}]

CE19B031

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.0453399

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 5

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
 [{0.0203862}], [{0.3963}], [{0.119076}], [{0.225433}], [{10.8002}]
 [{0.074643}], [{0.12949}], [{0.00977484}], [{0.183783}], [{10.4524}]
 [{-0.10094}], [{-0.215289}], [{0.193992}], [{0.449334}], [{10.2486}]
 [{0.818295}], [{0.754632}], [{0.233093}], [{0.826067}], [{27.8421}]
 [{0.714314}], [{1.01674}], [{0.572998}], [{0.276368}], [{35.4902}]
 [{-0.178701}], [{0.594884}], [{0.424092}], [{0.441741}], [{9.54315}]
 [{0.899884}], [{0.512254}], [{0.335361}], [{0.541188}], [{24.6772}]
 [{0.811721}], [{0.542}], [{0.877143}], [{0.767001}], [{30.7557}]
 [{0.334783}], [{1.34402}], [{1.07641}], [{0.734987}], [{47.6556}]
 [{0.443164}], [{0.532947}], [{0.985075}], [{1.19153}], [{24.7114}]
 [{1.1916}], [{0.509308}], [{1.01286}], [{0.93838}], [{40.1651}]
 [{0.763654}], [{1.10372}], [{0.744227}], [{1.21438}], [{47.4973}]
 [{1.59695}], [{1.38291}], [{0.879418}], [{1.05206}], [{100.04}]
 [{2.1048}], [{1.43775}], [{1.5864}], [{0.99526}], [{156.283}]
 [{1.30719}], [{1.35424}], [{1.54796}], [{2.38127}], [{139.323}]
 [{1.42228}], [{1.45767}], [{1.45989}], [{1.8633}], [{139.373}]
 [{1.52925}], [{1.08144}], [{2.30373}], [{1.5443}], [{137.498}]
 [{1.87038}], [{1.57767}], [{1.69884}], [{1.87268}], [{200.477}]
 [{1.81903}], [{2.29343}], [{1.93756}], [{1.62859}], [{330.447}]
 [{1.62238}], [{2.01431}], [{1.52493}], [{2.00069}], [{233.026}]
 [{2.58139}], [{2.39299}], [{1.94112}], [{1.75264}], [{442.044}]
 [{1.99395}], [{2.22257}], [{1.36359}], [{1.94797}], [{286.656}]
 [{2.57732}], [{2.39815}], [{1.21887}], [{1.80482}], [{355.845}]
 [{2.76778}], [{2.40294}], [{2.11384}], [{1.67077}], [{480.327}]
 [{2.67383}], [{2.57993}], [{2.79427}], [{2.467}], [{676.849}]
 [{2.41768}], [{2.34262}], [{3.0744}], [{2.32081}], [{584.731}]
 [{2.69726}], [{3.2018}], [{1.99192}], [{2.78869}], [{774.672}]
 [{2.21911}], [{2.56648}], [{2.83212}], [{2.84104}], [{627.072}]
 [{1.99255}], [{2.62704}], [{2.70585}], [{2.85556}], [{590.468}]

[{2.51339}], [{3.16942}], [{2.60733}], [{2.95526}], [{866.805}]

CE19B032

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0499373

Matrix Index 1 = 2, Matrix Index 2 = 2

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.0928557}], [{ -0.190143}], [{ 0.00273164}], [{ 0.297368}], [{ 10.6917}]
[{{0.11344}}, [{ 0.606044}], [{ -0.192873}], [{ 2.74757e-05}], [{ 12.211}]
[{{0.316307}}, [{ 0.372295}], [{ 0.507887}], [{ 0.313587}], [{ 16.3784}]
[{{0.323768}}, [{ 0.500658}], [{ -0.460613}], [{ 0.267988}], [{ 16.6911}]
[{{0.104875}}, [{ 0.536153}], [{ 0.0574939}], [{ 1.207}], [{ 12.9972}]
[{{0.797557}}, [{ 0.239908}], [{ 0.831927}], [{ 0.723382}], [{ 27.4648}]
[{{1.00505}}, [{ 0.760858}], [{ 0.992006}], [{ 1.00697}], [{ 45.3154}]
[{{0.713298}}, [{ 0.7731}], [{ 0.891203}], [{ 0.852018}], [{ 35.5741}]
[{{0.456392}}, [{ 1.05628}], [{ 0.450887}], [{ 0.853955}], [{ 28.0591}]
[{{0.478266}}, [{ 0.673353}], [{ 1.41862}], [{ 1.28033}], [{ 37.366}]
[{{1.55238}}, [{ 1.20417}], [{ 0.883211}], [{ 1.25535}], [{ 87.3552}]
[{{0.882557}}, [{ 0.938936}], [{ 1.28957}], [{ 1.41954}], [{ 60.2963}]
[{{1.25193}}, [{ 0.980373}], [{ 1.10752}], [{ 1.10987}], [{ 66.916}]
[{{0.761825}}, [{ 1.56617}], [{ 0.885696}], [{ 1.80141}], [{ 75.415}]
[{{1.31841}}, [{ 1.30734}], [{ 1.73885}], [{ 1.19394}], [{ 112.17}]
[{{1.4955}}, [{ 0.974819}], [{ 1.74731}], [{ 1.5035}], [{ 107.231}]
[{{1.61699}}, [{ 1.429}], [{ 1.85202}], [{ 1.53979}], [{ 157.075}]
[{{1.61501}}, [{ 1.83517}], [{ 1.54768}], [{ 2.06209}], [{ 198.831}]
[{{1.76576}}, [{ 2.15017}], [{ 1.95995}], [{ 1.74571}], [{ 277.654}]
[{{2.10274}}, [{ 2.10018}], [{ 1.75834}], [{ 1.6556}], [{ 281.49}]
[{{2.08868}}, [{ 2.12149}], [{ 1.85574}], [{ 2.63094}], [{ 336.636}]
[{{2.11905}}, [{ 1.85867}], [{ 1.95479}], [{ 2.03249}], [{ 279.244}]
[{{2.84049}}, [{ 2.32508}], [{ 2.15321}], [{ 2.21142}], [{ 480.874}]
[{{2.08787}}, [{ 2.35685}], [{ 2.0601}], [{ 2.0151}], [{ 373.303}]
[{{2.37691}}, [{ 2.79225}], [{ 2.44169}], [{ 2.26057}], [{ 576.563}]
[{{2.95887}}, [{ 2.22364}], [{ 2.61776}], [{ 2.53003}], [{ 558.659}]
[{{2.62603}}, [{ 2.31003}], [{ 2.23442}], [{ 2.05633}], [{ 449.754}]
[{{2.96353}}, [{ 2.95256}], [{ 2.77466}], [{ 3.22121}], [{ 866.625}]
[{{2.29959}}, [{ 3.46389}], [{ 2.92718}], [{ 2.55865}], [{ 873.902}]
[{{2.29963}}, [{ 3.14594}], [{ 3.12942}], [{ 2.68753}], [{ 808.349}]
```

CE19B041

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0154784

Matrix Index 1 = 3, Matrix Index 2 = 4

Parameter No. = 2

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.233245}}, [{ -0.363765}], [{ 0.205452}], [{ -0.208727}], [{ 12.5626}]
[{{-0.0126315}}, [{ 0.345282}], [{ 0.0362357}], [{ -0.226984}], [{ 9.33369}]
[{{1.0023}}, [{ 0.285732}], [{ 0.373029}], [{ 0.645172}], [{ 24.6871}]
[{{0.654107}}, [{ 0.166206}], [{ 0.543908}], [{ 0.0321925}], [{ 16.7395}]
[{{0.171745}}, [{ 0.672806}], [{ 0.412146}], [{ 0.584544}], [{ 13.9505}]
[{{-0.0339452}}, [{ 0.434206}], [{ 0.400152}], [{ 0.122273}], [{ 12.4215}]
[{{1.15473}}, [{ 0.428479}], [{ 0.200773}], [{ 0.0734884}], [{ 24.5436}]
```

[{0.495444}], [{0.642396}], [{0.929299}], [{0.356268}], [{23.5163}]
[0.789371], [{0.322027}], [{0.58187}], [{0.678698}], [{22.1333}]
[{1.23232}], [{1.22215}], [{1.0113}], [{1.35032}], [{74.6124}]
[{0.738624}], [{0.502165}], [{1.2963}], [{1.00246}], [{32.6268}]
[{0.797742}], [{0.474269}], [{1.55684}], [{1.0593}], [{38.0438}]
[{1.71136}], [{1.2111}], [{1.08254}], [{1.27566}], [{91.4104}]
[{1.47894}], [{1.13081}], [{1.61802}], [{1.49038}], [{104.289}]
[{1.59119}], [{1.38301}], [{1.39258}], [{1.01372}], [{108.42}]
[{1.74472}], [{1.2069}], [{1.26749}], [{1.12874}], [{97.0666}]
[{1.81998}], [{1.23971}], [{0.891016}], [{1.81258}], [{99.5743}]
[{1.91396}], [{1.53014}], [{2.08394}], [{2.0059}], [{212.214}]
[{2.00027}], [{2.26628}], [{2.426}], [{1.69742}], [{352.84}]
[{1.98297}], [{2.05323}], [{2.25185}], [{2.37368}], [{326.281}]
[{1.76473}], [{1.87979}], [{1.89982}], [{1.86427}], [{228.383}]
[{2.31352}], [{1.87556}], [{2.54176}], [{2.28816}], [{352.638}]
[{2.27638}], [{2.60015}], [{2.05789}], [{1.76414}], [{415.97}]
[{2.08041}], [{2.01727}], [{2.80896}], [{1.64129}], [{343.405}]
[{2.15949}], [{2.807}], [{2.87884}], [{2.44981}], [{609.285}]
[{2.89804}], [{2.35071}], [{2.57541}], [{2.68867}], [{557.487}]
[{2.54972}], [{2.75815}], [{2.78244}], [{2.42266}], [{634.423}]
[{2.95447}], [{2.45993}], [{2.73407}], [{2.62277}], [{614.039}]
[{3.10462}], [{3.01289}], [{2.81713}], [{2.51783}], [{815.405}]
[{2.70872}], [{3.03101}], [{2.52147}], [{3.50613}], [{777.26}]

CE19B043

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0151571

Matrix Index 1 = 3, Matrix Index 2 = 3

Parameter No. = 5

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{-0.273631}], [{-0.512281}], [{-0.348051}], [{0.0602527}], [{4.83517}]
[{-0.169067}], [{0.0411736}], [{-0.385569}], [{-0.467735}], [{8.20957}]
[{0.281812}], [{0.402667}], [{-0.292393}], [{0.163408}], [{13.2384}]
[{0.132645}], [{0.632014}], [{0.470775}], [{-0.0189964}], [{14.1733}]
[{0.2844}], [{0.773144}], [{0.550952}], [{0.989333}], [{20.6544}]
[{1.27858}], [{0.291471}], [{0.707623}], [{0.190559}], [{24.7822}]
[{0.952197}], [{0.650077}], [{0.569046}], [{0.759712}], [{29.9116}]
[{0.699637}], [{0.678337}], [{0.887316}], [{0.644112}], [{28.2757}]
[{0.610076}], [{0.503645}], [{0.873265}], [{0.731163}], [{24.7324}]
[{0.814734}], [{1.11173}], [{0.684472}], [{1.0175}], [{41.2414}]
[{0.710397}], [{1.63573}], [{1.24164}], [{1.04487}], [{76.4543}]
[{0.758347}], [{0.765805}], [{1.47739}], [{1.48542}], [{50.8587}]
[{0.601082}], [{0.731881}], [{1.25563}], [{1.24653}], [{35.6327}]
[{1.34032}], [{1.70487}], [{1.29241}], [{1.42332}], [{125.68}]
[{1.25375}], [{1.50456}], [{1.5761}], [{1.71379}], [{121.709}]
[{1.63053}], [{1.37825}], [{1.69664}], [{1.22918}], [{124.447}]
[{2.09059}], [{2.19306}], [{1.24318}], [{1.67649}], [{241.513}]
[{1.60885}], [{1.61811}], [{1.7901}], [{2.11503}], [{180.825}]
[{1.44438}], [{2.02943}], [{1.85237}], [{1.9121}], [{211.005}]
[{2.4282}], [{2.13772}], [{1.83588}], [{1.86435}], [{319.144}]
[{2.78264}], [{1.73064}], [{1.74331}], [{1.97156}], [{280.507}]
[{1.98473}], [{3.0223}], [{2.3163}], [{1.91155}], [{505.921}]
[{2.68968}], [{1.71015}], [{2.30083}], [{2.89259}], [{384.871}]

```
[{2.91034}], [{1.7276}], [{2.37951}], [{2.22829}], [{369.968}]
[{1.7933}], [{2.74097}], [{2.33107}], [{2.8582}], [{459.397}]
[{2.04971}], [{2.23866}], [{2.46614}], [{2.28141}], [{378.426}]
[{2.63592}], [{2.93694}], [{2.45439}], [{2.69442}], [{664.124}]
[{2.44639}], [{2.87817}], [{3.00533}], [{2.10531}], [{644.166}]
[{2.40673}], [{2.47228}], [{2.89736}], [{2.56747}], [{547.642}]
[{3.01373}], [{3.18844}], [{2.50093}], [{2.2887}], [{789.709}]
```

CE19B045

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0451356

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.106767}], [{-0.427428}], [{0.164243}], [{-0.0136916}], [{10.6069}]
[{-0.140854}], [{0.025663}], [{0.13731}], [{-0.632076}], [{8.01943}]
[{-0.0866831}], [{-0.282724}], [{0.237107}], [{-0.275941}], [{9.95588}]
[{0.827756}], [{-0.208677}], [{0.277518}], [{0.333221}], [{21.8735}]
[{0.742624}], [{0.321973}], [{0.0451126}], [{0.59226}], [{22.913}]
[{0.447551}], [{0.135289}], [{0.436497}], [{0.693093}], [{17.5773}]
[{0.455599}], [{0.427693}], [{0.507128}], [{0.829943}], [{19.8352}]
[{1.20878}], [{0.138178}], [{0.507851}], [{0.382907}], [{26.5232}]
[{1.18629}], [{0.630448}], [{0.433388}], [{1.04192}], [{39.6884}]
[{1.25967}], [{0.909539}], [{1.01357}], [{1.26368}], [{61.5705}]
[{0.730213}], [{0.916892}], [{1.41709}], [{0.826924}], [{46.54}]
[{1.44977}], [{1.42184}], [{1.0324}], [{0.659772}], [{90.5311}]
[{1.01588}], [{1.1587}], [{0.663505}], [{1.62658}], [{57.1334}]
[{1.34023}], [{1.3845}], [{1.35172}], [{1.0768}], [{100.279}]
[{1.03493}], [{1.71141}], [{1.2664}], [{0.989852}], [{105.37}]
[{1.45875}], [{1.93049}], [{1.42824}], [{1.47531}], [{169.964}]
[{1.68622}], [{1.59705}], [{1.26753}], [{1.72517}], [{145.512}]
[{1.92041}], [{1.51875}], [{2.32224}], [{1.96262}], [{223.08}]
[{1.53728}], [{1.31573}], [{0.9994}], [{1.2438}], [{94.2424}]
[{1.90721}], [{1.96654}], [{2.37842}], [{2.14591}], [{301.091}]
[{1.94601}], [{1.89701}], [{1.99563}], [{1.70676}], [{246.752}]
[{1.63499}], [{2.14276}], [{2.07983}], [{2.20066}], [{280.536}]
[{2.43762}], [{2.08111}], [{2.13165}], [{2.45601}], [{372.67}]
[{2.65535}], [{2.19828}], [{2.4534}], [{3.1746}], [{505.289}]
[{2.47286}], [{3.18433}], [{2.30659}], [{2.79675}], [{700.281}]
[{2.63966}], [{2.58176}], [{2.2664}], [{2.06387}], [{505.567}]
[{2.06555}], [{2.29786}], [{2.36137}], [{2.02177}], [{374.764}]
[{2.3858}], [{2.26933}], [{2.34403}], [{2.29576}], [{418.653}]
[{2.7897}], [{2.82195}], [{2.86576}], [{2.83245}], [{736.548}]
[{3.43784}], [{2.92215}], [{2.77731}], [{2.93674}], [{882.589}]
```

CE19B046

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0434774

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{0.310415}], [{-0.369155}], [{-0.22178}], [{0.114075}], [{13.6216}]
```

```

[{\{0.373051\}}, {\{0.185819\}}, {\{-0.00895159\}}, {\{0.263442\}}, {\{14.3028\}}]
[{\{-0.619303\}}, {\{0.341991\}}, {\{0.644113\}}, {\{0.209684\}}, {\{1.44985\}}]
[{\{0.566964\}}, {\{-0.195461\}}, {\{0.0461204\}}, {\{0.731872\}}, {\{15.394\}}]
[{\{0.344636\}}, {\{0.612757\}}, {\{0.819851\}}, {\{0.495266\}}, {\{19.5247\}}]
[{\{0.0995157\}}, {\{0.568037\}}, {\{0.895036\}}, {\{0.735229\}}, {\{15.1085\}}]
[{\{0.576454\}}, {\{0.428086\}}, {\{0.973993\}}, {\{0.790851\}}, {\{25.2299\}}]
[{\{0.678668\}}, {\{0.77755\}}, {\{0.777317\}}, {\{0.796248\}}, {\{31.7921\}}]
[{\{0.70019\}}, {\{0.621587\}}, {\{0.313349\}}, {\{0.867967\}}, {\{24.1495\}}]
[{\{0.50978\}}, {\{0.577844\}}, {\{0.789709\}}, {\{0.931227\}}, {\{23.4957\}}]
[{\{0.393214\}}, {\{0.734033\}}, {\{0.882224\}}, {\{1.43852\}}, {\{27.9938\}}]
[{\{1.04199\}}, {\{1.21731\}}, {\{1.2249\}}, {\{1.22632\}}, {\{74.2627\}}]
[{\{1.84069\}}, {\{1.37239\}}, {\{1.07452\}}, {\{1.08911\}}, {\{114.919\}}]
[{\{1.20076\}}, {\{1.50767\}}, {\{1.63224\}}, {\{1.4726\}}, {\{122.003\}}]
[{\{1.50755\}}, {\{1.66609\}}, {\{1.43047\}}, {\{0.976427\}}, {\{137.492\}}]
[{\{1.47229\}}, {\{1.5285\}}, {\{1.68027\}}, {\{0.766455\}}, {\{124.822\}}]
[{\{1.95712\}}, {\{1.57566\}}, {\{1.34427\}}, {\{1.93533\}}, {\{176.672\}}]
[{\{1.49046\}}, {\{1.56164\}}, {\{2.04464\}}, {\{1.40478\}}, {\{163.779\}}]
[{\{1.73468\}}, {\{1.53107\}}, {\{1.5319\}}, {\{1.98137\}}, {\{168.369\}}]
[{\{2.079\}}, {\{1.61777\}}, {\{1.58658\}}, {\{2.34245\}}, {\{220.09\}}]
[{\{2.12153\}}, {\{1.86792\}}, {\{2.0594\}}, {\{2.29362\}}, {\{298.17\}}]
[{\{2.20218\}}, {\{1.56392\}}, {\{1.73385\}}, {\{1.46794\}}, {\{199.936\}}]
[{\{1.67929\}}, {\{1.92933\}}, {\{2.40567\}}, {\{2.38026\}}, {\{290.417\}}]
[{\{2.57226\}}, {\{2.4204\}}, {\{2.66723\}}, {\{2.43993\}}, {\{549.376\}}]
[{\{2.13586\}}, {\{2.14838\}}, {\{1.72925\}}, {\{2.36048\}}, {\{322.854\}}]
[{\{3.01293\}}, {\{2.6054\}}, {\{2.72678\}}, {\{2.5407\}}, {\{690.427\}}]
[{\{2.35159\}}, {\{2.59158\}}, {\{2.12456\}}, {\{2.12708\}}, {\{478.758\}}]
[{\{2.77297\}}, {\{2.5142\}}, {\{2.58902\}}, {\{2.66059\}}, {\{612.573\}}]
[{\{2.96928\}}, {\{2.80914\}}, {\{2.81918\}}, {\{2.17012\}}, {\{733.651\}}]
[{\{2.72864\}}, {\{3.09062\}}, {\{2.97295\}}, {\{2.66956\}}, {\{856.797\}}]

```

CE19B047

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0221948

Matrix Index 1 = 4, Matrix Index 2 = 5

Parameter No. = 5

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{0.230613\}}, {\{-0.181391\}}, {\{0.353358\}}, {\{0.369034\}}, {\{10.8595\}}]
[{\{0.0260804\}}, {\{0.990702\}}, {\{0.0694658\}}, {\{0.315314\}}, {\{10.1965\}}]
[{\{0.0453836\}}, {\{-0.292864\}}, {\{0.321224\}}, {\{-0.227466\}}, {\{9.38469\}}]
[{\{0.447838\}}, {\{0.383068\}}, {\{0.365335\}}, {\{0.769323\}}, {\{15.8731\}}]
[{\{0.091785\}}, {\{0.449337\}}, {\{0.627945\}}, {\{0.923018\}}, {\{13.4812\}}]
[{\{1.02157\}}, {\{0.493324\}}, {\{0.806948\}}, {\{0.377786\}}, {\{23.1116\}}]
[{\{0.138793\}}, {\{0.520731\}}, {\{0.469148\}}, {\{0.497149\}}, {\{12.9839\}}]
[{\{1.46479\}}, {\{0.386147\}}, {\{1.16455\}}, {\{1.10901\}}, {\{38.6773\}}]
[{\{0.588501\}}, {\{0.601497\}}, {\{0.696303\}}, {\{0.671108\}}, {\{17.5456\}}]
[{\{0.888354\}}, {\{1.29878\}}, {\{0.676874\}}, {\{0.93404\}}, {\{45.3748\}}]
[{\{1.00846\}}, {\{0.390138\}}, {\{0.591991\}}, {\{0.873392\}}, {\{22.8914\}}]
[{\{1.18603\}}, {\{0.977703\}}, {\{0.550023\}}, {\{0.938695\}}, {\{38.0348\}}]
[{\{1.03448\}}, {\{1.0959\}}, {\{1.12588\}}, {\{1.14632\}}, {\{52.7265\}}]
[{\{1.03089\}}, {\{1.70075\}}, {\{1.16611\}}, {\{1.35566\}}, {\{94.015\}}]
[{\{2.09544\}}, {\{1.98014\}}, {\{1.61836\}}, {\{2.0697\}}, {\{229.315\}}]
[{\{1.67684\}}, {\{1.29071\}}, {\{1.49865\}}, {\{1.50004\}}, {\{105.729\}}]
[{\{1.98729\}}, {\{1.35272\}}, {\{1.50828\}}, {\{2.03021\}}, {\{137.152\}}]

```

[{1.47043}], [{2.37961}], [{2.08145}], [{1.83602}], [{276.535}]
[{1.84725}], [{1.94212}], [{1.5031}], [{1.67074}], [{187.179}]
[{1.98879}], [{2.00786}], [{1.55894}], [{2.31159}], [{227.333}]
[{2.12495}], [{2.06366}], [{1.72811}], [{2.43583}], [{264.329}]
[{2.41259}], [{2.35398}], [{1.66774}], [{2.58893}], [{338.96}]
[{1.63448}], [{2.5242}], [{2.41592}], [{2.42702}], [{374.699}]
[{1.36012}], [{1.98683}], [{2.09235}], [{2.70613}], [{225.709}]
[{1.82607}], [{2.29737}], [{2.29398}], [{2.23026}], [{326.03}]
[{2.616}], [{2.13117}], [{2.85866}], [{3.01108}], [{472.442}]
[{2.60207}], [{3.00136}], [{2.81475}], [{2.04498}], [{656.581}]
[{1.95978}], [{2.39649}], [{2.7768}], [{2.70046}], [{431.427}]
[{2.70904}], [{2.95537}], [{3.15814}], [{2.83312}], [{761.889}]
[{2.63145}], [{3.03026}], [{3.12319}], [{3.08217}], [{790.684}]

CE19B051

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0209197

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 3

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
[{0.127805}], [{0.180545}], [{0.0967925}], [{-0.25623}], [{9.25916}]
[{0.377713}], [{0.231049}], [{0.0136099}], [{0.772161}], [{11.5882}]
[{-0.0343973}], [{-0.0214277}], [{0.295281}], [{0.766757}], [{6.50854}]
[{0.154126}], [{0.650803}], [{0.0563732}], [{-0.131656}], [{11.2187}]
[{-0.188268}], [{0.456863}], [{0.343816}], [{0.259308}], [{4.99666}]
[{-0.0951818}], [{0.128669}], [{0.648672}], [{0.240039}], [{7.04457}]
[{1.16833}], [{0.695075}], [{0.639926}], [{0.62437}], [{33.4661}]
[{0.713264}], [{-0.266071}], [{0.804945}], [{0.352699}], [{18.2012}]
[{0.41494}], [{1.01003}], [{0.541271}], [{0.964231}], [{21.7902}]
[{0.942443}], [{0.913694}], [{0.636927}], [{1.30998}], [{35.5411}]
[{0.959828}], [{1.02828}], [{1.02749}], [{1.38275}], [{49.5194}]
[{1.60011}], [{1.15506}], [{0.771178}], [{0.481793}], [{59.5742}]
[{1.33624}], [{1.54124}], [{1.97887}], [{0.869633}], [{112.944}]
[{1.49003}], [{1.48839}], [{1.33838}], [{1.55978}], [{105.883}]
[{0.966057}], [{1.05229}], [{1.446}], [{1.90481}], [{63.9434}]
[{1.81228}], [{1.8345}], [{1.42231}], [{1.56254}], [{156.539}]
[{1.62284}], [{1.81503}], [{1.705}], [{1.54947}], [{156.75}]
[{1.61207}], [{1.76673}], [{1.46239}], [{1.50413}], [{140.276}]
[{1.68033}], [{1.55322}], [{1.6842}], [{1.84676}], [{142.149}]
[{1.54741}], [{1.98373}], [{1.96604}], [{1.981}], [{199.723}]
[{2.45636}], [{1.78125}], [{2.45384}], [{1.2498}], [{235.33}]
[{2.05067}], [{1.67855}], [{1.99166}], [{2.00262}], [{195.677}]
[{2.51288}], [{1.73985}], [{2.54549}], [{2.09217}], [{279.952}]
[{2.13895}], [{1.97099}], [{2.63005}], [{2.15444}], [{295.174}]
[{2.32448}], [{2.13534}], [{2.23933}], [{2.12558}], [{309}]
[{2.37048}], [{2.63941}], [{2.85356}], [{2.91692}], [{521.967}]
[{2.96263}], [{2.29491}], [{2.66048}], [{2.31827}], [{450.83}]
[{3.16028}], [{2.60582}], [{2.61982}], [{2.40711}], [{551.227}]
[{3.12217}], [{3.01814}], [{2.59899}], [{3.14893}], [{710.627}]
[{2.77142}], [{2.87728}], [{3.00035}], [{2.41398}], [{629.414}]

CE19B053

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0433641
Matrix Index 1 = 1, Matrix Index 2 = 1
Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.0319541}}, {{-0.114779}}, {{0.507469}}, {{0.0406308}}, {{11.1684}}]
[{{0.380933}}, {{0.321197}}, {{-0.180416}}, {{-0.195023}}, {{16.1991}}]
[{{-0.396108}}, {{0.168028}}, {{0.0928743}}, {{0.753917}}, {{6.36935}}]
[{{0.0623055}}, {{0.722421}}, {{0.465832}}, {{0.212027}}, {{13.124}}]
[{{0.486956}}, {{0.671741}}, {{0.951869}}, {{0.0230004}}, {{21.5518}}]
[{{0.425938}}, {{0.360867}}, {{0.804352}}, {{0.805618}}, {{17.9021}}]
[{{0.146965}}, {{0.571117}}, {{0.968763}}, {{0.464582}}, {{15.7203}}]
[{{0.824019}}, {{0.607661}}, {{1.33904}}, {{0.977101}}, {{36.1824}}]
[{{0.492749}}, {{0.49231}}, {{0.799834}}, {{0.938682}}, {{23.1984}}]
[{{0.695156}}, {{0.975596}}, {{0.843097}}, {{0.622726}}, {{34.8436}}]
[{{0.899368}}, {{0.772165}}, {{0.939807}}, {{0.427919}}, {{33.1001}}]
[{{1.35822}}, {{1.37482}}, {{0.607926}}, {{1.14917}}, {{64.7333}}]
[{{1.40834}}, {{0.978966}}, {{1.27812}}, {{1.34233}}, {{71.9922}}]
[{{1.30563}}, {{1.01699}}, {{1.96881}}, {{1.345}}, {{90.2638}}]
[{{1.09576}}, {{2.38436}}, {{1.6082}}, {{1.6395}}, {{183.654}}]
[{{2.15815}}, {{1.58237}}, {{1.56049}}, {{1.44718}}, {{165.501}}]
[{{1.41638}}, {{1.5392}}, {{1.98803}}, {{1.44373}}, {{136.797}}]
[{{1.90374}}, {{1.68551}}, {{1.66252}}, {{1.51553}}, {{168.435}}]
[{{1.80672}}, {{1.48482}}, {{1.68765}}, {{1.88824}}, {{157.051}}]
[{{1.81979}}, {{1.86671}}, {{1.56381}}, {{1.92644}}, {{189.606}}]
[{{1.74183}}, {{1.92605}}, {{2.00121}}, {{1.56263}}, {{205.217}}]
[{{2.04475}}, {{1.72157}}, {{1.48663}}, {{1.51687}}, {{171.811}}]
[{{1.59331}}, {{2.02953}}, {{2.07695}}, {{2.32648}}, {{239.677}}]
[{{2.46989}}, {{2.10073}}, {{2.18632}}, {{2.53466}}, {{361.912}}]
[{{2.55678}}, {{1.76769}}, {{2.45144}}, {{2.31567}}, {{330.436}}]
[{{2.83279}}, {{2.29131}}, {{2.30814}}, {{2.57779}}, {{453.738}}]
[{{2.80001}}, {{2.67293}}, {{1.96744}}, {{2.85212}}, {{498.988}}]
[{{2.89955}}, {{2.4896}}, {{2.72659}}, {{2.7412}}, {{574.116}}]
[{{2.65564}}, {{3.63476}}, {{2.86494}}, {{3.31986}}, {{930.217}}]
[{{2.76828}}, {{3.40975}}, {{2.66016}}, {{2.82614}}, {{797.87}}]
```

CE19B054

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0305064
Matrix Index 1 = 2, Matrix Index 2 = 2
Parameter No. = 3

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{-0.0756201}}, {{-0.0983472}}, {{0.24671}}, {{0.514639}}, {{9.76966}}]
[{{-0.454402}}, {{0.685735}}, {{0.258967}}, {{0.216818}}, {{5.8808}}]
[{{0.508815}}, {{0.127487}}, {{0.0953043}}, {{0.0711183}}, {{16.8134}}]
[{{0.590649}}, {{0.487965}}, {{0.684053}}, {{0.404357}}, {{22.1434}}]
[{{1.00243}}, {{-0.276146}}, {{0.197837}}, {{0.439014}}, {{20.8904}}]
[{{0.824969}}, {{0.723509}}, {{0.462341}}, {{0.687055}}, {{28.746}}]
[{{0.0359626}}, {{-0.10413}}, {{0.716059}}, {{1.19207}}, {{11.0075}}]
[{{0.528303}}, {{0.602865}}, {{0.827435}}, {{0.756719}}, {{24.1607}}]
[{{0.436633}}, {{1.3267}}, {{1.1577}}, {{0.980419}}, {{46.477}}]
[{{1.54352}}, {{1.20454}}, {{1.46937}}, {{0.463946}}, {{77.5462}}]
[{{0.787095}}, {{0.941888}}, {{1.14385}}, {{0.947169}}, {{42.1028}}]
```

[{1.01833}], [{1.33137}], [{2.01882}], [{1.36759}], [{98.638}]
[1.17922], [{1.28964}], [{1.38723}], [{1.58164}], [{87.3912}]
[{1.44654}], [{1.57318}], [{0.862241}], [{1.14311}], [{93.5204}]
[{1.03841}], [{1.08785}], [{1.33043}], [{1.32639}], [{65.8932}]
[{1.45217}], [{1.17127}], [{1.51763}], [{1.96229}], [{105.625}]
[{1.7425}], [{1.61548}], [{2.22901}], [{1.35939}], [{178.868}]
[{1.20801}], [{2.24856}], [{1.344}], [{1.81761}], [{173.764}]
[{2.08896}], [{1.94388}], [{1.89364}], [{1.73655}], [{243.147}]
[{1.42581}], [{2.13799}], [{1.8591}], [{2.07322}], [{219.801}]
[{2.25635}], [{2.64166}], [{2.21004}], [{1.75625}], [{414.826}]
[{1.88204}], [{2.01891}], [{2.52036}], [{1.95355}], [{289.211}]
[{2.67454}], [{2.22011}], [{2.56054}], [{2.43227}], [{447.979}]
[{2.89173}], [{3.06277}], [{2.33527}], [{1.8771}], [{633.814}]
[{2.59737}], [{1.77009}], [{2.58796}], [{2.5397}], [{362.527}]
[{2.89117}], [{2.55218}], [{2.44384}], [{3.11492}], [{589.691}]
[{2.53586}], [{2.71208}], [{2.43122}], [{3.15246}], [{576.2}]
[{2.57684}], [{2.47343}], [{3.21859}], [{2.65081}], [{586.916}]
[{2.43631}], [{2.66506}], [{3.14552}], [{3.09881}], [{642.236}]
[{2.69408}], [{2.90623}], [{2.52369}], [{2.93564}], [{655.139}]

CE19B055

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0346201

Matrix Index 1 = 1, Matrix Index 2 = 5

Parameter No. = 3

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[-0.293567], [{0.190749}], [{-0.126216}], [{-0.400606}], [{5.04285}]
[{0.135847}], [{-0.153565}], [{-0.228349}], [{-0.203477}], [{11.1646}]
[-0.182181], [{0.274955}], [{0.720346}], [{0.545652}], [{6.20548}]
[{0.393916}], [{0.44711}], [{-0.518701}], [{0.655768}], [{10.9429}]
[{0.147989}], [{0.624229}], [{0.482005}], [{0.751029}], [{12.9773}]
[{0.358975}], [{0.601739}], [{0.539394}], [{0.517103}], [{15.3387}]
[{0.625853}], [{0.355521}], [{0.845578}], [{0.82233}], [{20.633}]
[{0.809546}], [{0.413383}], [{0.570783}], [{0.085266}], [{19.5983}]
[{0.627763}], [{0.865264}], [{1.32966}], [{1.05843}], [{40.557}]
[{1.4935}], [{-0.170122}], [{0.728415}], [{0.315699}], [{29.2797}]
[{1.1022}], [{0.243749}], [{0.85143}], [{1.14412}], [{32.1826}]
[{1.03655}], [{1.44992}], [{1.48632}], [{1.01037}], [{91.1173}]
[{1.35503}], [{1.25428}], [{1.14886}], [{1.44047}], [{86.7175}]
[{0.931376}], [{1.13583}], [{1.45936}], [{0.856277}], [{62.8355}]
[{1.15056}], [{1.53832}], [{1.19003}], [{1.64357}], [{104.112}]
[{1.77445}], [{1.70272}], [{0.665591}], [{2.14685}], [{128.16}]
[{1.95199}], [{1.31523}], [{1.03445}], [{1.48294}], [{113.23}]
[{1.56486}], [{1.50811}], [{1.5297}], [{2.08556}], [{149.923}]
[{1.54556}], [{1.82476}], [{1.65693}], [{2.12183}], [{196.625}]
[{2.21506}], [{1.91027}], [{1.79244}], [{1.8182}], [{261.878}]
[{1.84961}], [{2.19219}], [{2.24483}], [{2.50056}], [{347.579}]
[{1.94401}], [{2.20295}], [{2.03504}], [{2.11816}], [{323.502}]
[{2.05453}], [{1.93491}], [{2.31994}], [{2.35306}], [{322.322}]
[{2.40611}], [{1.95877}], [{2.30278}], [{2.83119}], [{389.704}]
[{2.13604}], [{2.2723}], [{2.36409}], [{2.31629}], [{402.446}]
[{2.7862}], [{2.11581}], [{1.93211}], [{2.32388}], [{391.64}]
[{2.36354}], [{2.87699}], [{2.49967}], [{2.39106}], [{616.161}]

```
[{2.76849}], [{2.33651}], [{2.66082}], [{2.48603}], [{544.649}]
[{2.53135}], [{2.93593}], [{3.11608}], [{2.64146}], [{779.614}]
[{3.37801}], [{2.56848}], [{3.09214}], [{2.95172}], [{820.291}]
```

CE19B057

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0234948

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.0630027}], [{0.0525397}], [{0.117647}], [{0.340976}], [{11.0075}]
[{-0.0478352}], [{-0.0252794}], [{0.150668}], [{0.266628}], [{10.2583}]
[{-0.214664}], [{0.391041}], [{0.251419}], [{0.161842}], [{12.5632}]
[{-0.201428}], [{-0.0310677}], [{0.37973}], [{0.351212}], [{14.5456}]
[{-0.302079}], [{0.678553}], [{0.169533}], [{0.615238}], [{15.2068}]
[{-0.918469}], [{0.881098}], [{1.0351}], [{0.851801}], [{41.1628}]
[{-0.66759}], [{0.449052}], [{0.606714}], [{0.802806}], [{22.9849}]
[{-0.901735}], [{0.668874}], [{0.884987}], [{0.660513}], [{33.0654}]
[{-0.909414}], [{0.94308}], [{0.521225}], [{0.569148}], [{35.6084}]
[{-0.947964}], [{1.00162}], [{1.25409}], [{0.974232}], [{51.5783}]
[{-0.874732}], [{0.745397}], [{1.25698}], [{0.763177}], [{39.1805}]
[{-0.899317}], [{1.08116}], [{0.946727}], [{1.05336}], [{48.6389}]
[{-1.64454}], [{1.27319}], [{1.49399}], [{1.22437}], [{103.93}]
[{-0.891125}], [{1.38364}], [{0.9448}], [{1.56635}], [{66.1926}]
[{-1.45191}], [{1.50127}], [{1.872}], [{1.16398}], [{122.923}]
[{-1.52838}], [{2.21505}], [{1.21991}], [{1.39089}], [{175.464}]
[{-1.61568}], [{2.09159}], [{2.02365}], [{1.76372}], [{225.017}]
[{-1.87262}], [{1.46566}], [{1.68516}], [{1.25944}], [{137.823}]
[{-2.04664}], [{1.40383}], [{1.81539}], [{1.97399}], [{171.572}]
[{-2.0053}], [{2.13284}], [{2.03292}], [{1.78089}], [{268.798}]
[{-1.93461}], [{2.09138}], [{2.16724}], [{2.08046}], [{277.6}]
[{-2.4989}], [{2.09475}], [{2.05976}], [{2.10887}], [{324.922}]
[{-2.37176}], [{2.63171}], [{2.07558}], [{2.16709}], [{422.922}]
[{-2.68976}], [{2.36317}], [{2.56295}], [{2.45279}], [{470.012}]
[{-2.92433}], [{3.09303}], [{2.52}], [{2.50615}], [{699.393}]
[{-2.09614}], [{2.66685}], [{2.61455}], [{3.12088}], [{499.05}]
[{-2.78491}], [{2.04803}], [{1.97089}], [{2.63229}], [{363.853}]
[{-2.10142}], [{2.70706}], [{2.72351}], [{2.95484}], [{513.854}]
[{-2.38932}], [{2.91207}], [{3.04492}], [{2.62819}], [{634.902}]
[{-3.10271}], [{2.30866}], [{3.00527}], [{3.14403}], [{621.697}]
```

CE19B062

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0449588

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.451465}], [{0.27692}], [{0.135372}], [{0.146011}], [{4.36178}]
[{-0.0687733}], [{0.0270385}], [{0.242976}], [{-0.558551}], [{9.24601}]
[{-0.135364}], [{0.334552}], [{-0.21505}], [{-0.189316}], [{7.30769}]
[{-0.0308747}], [{0.244245}], [{0.998106}], [{0.74148}], [{10.4164}]
[{-0.612973}], [{0.185305}], [{0.488508}], [{0.578665}], [{13.7982}]
```

```

[{\{0.318171\}}, {\{-0.0429076\}}, {\{0.46762\}}, {\{0.83083\}}, {\{13.2645\}}]
[{\{1.11776\}}, {\{0.662424\}}, {\{0.552381\}}, {\{1.24775\}}, {\{30.4069\}}]
[{\{0.563698\}}, {\{0.936024\}}, {\{0.467329\}}, {\{1.43924\}}, {\{24.8047\}}]
[{\{1.43999\}}, {\{0.797479\}}, {\{1.2363\}}, {\{0.373713\}}, {\{41.2476\}}]
[{\{1.31392\}}, {\{0.600893\}}, {\{1.12781\}}, {\{0.826954\}}, {\{37.8749\}}]
[{\{0.984669\}}, {\{0.957742\}}, {\{1.01488\}}, {\{0.747223\}}, {\{39.8037\}}]
[{\{0.855611\}}, {\{0.56301\}}, {\{1.66737\}}, {\{1.11517\}}, {\{35.1895\}}]
[{\{1.11\}}, {\{1.11315\}}, {\{0.889595\}}, {\{0.732788\}}, {\{46.1905\}}]
[{\{1.37146\}}, {\{1.54073\}}, {\{1.8711\}}, {\{1.45669\}}, {\{115.947\}}]
[{\{1.49381\}}, {\{1.66662\}}, {\{1.29551\}}, {\{1.55357\}}, {\{114.627\}}]
[{\{1.48543\}}, {\{1.99472\}}, {\{1.64843\}}, {\{1.51668\}}, {\{158.537\}}]
[{\{1.98437\}}, {\{0.880252\}}, {\{1.32062\}}, {\{1.54614\}}, {\{79.9347\}}]
[{\{2.21653\}}, {\{1.52629\}}, {\{1.48635\}}, {\{1.72549\}}, {\{146.359\}}]
[{\{1.68837\}}, {\{1.80332\}}, {\{1.5262\}}, {\{1.44935\}}, {\{142.03\}}]
[{\{2.29308\}}, {\{2.10398\}}, {\{1.32613\}}, {\{2.13519\}}, {\{217.192\}}]
[{\{1.86024\}}, {\{2.03091\}}, {\{1.76516\}}, {\{2.42478\}}, {\{214.515\}}]
[{\{2.68503\}}, {\{2.16381\}}, {\{2.15221\}}, {\{1.86744\}}, {\{309.311\}}]
[{\{2.57266\}}, {\{2.66912\}}, {\{2.04662\}}, {\{2.64836\}}, {\{421.043\}}]
[{\{2.04327\}}, {\{2.24101\}}, {\{2.39478\}}, {\{3.06411\}}, {\{332.55\}}]
[{\{2.51169\}}, {\{2.10031\}}, {\{2.26308\}}, {\{2.52774\}}, {\{320.145\}}]
[{\{3.07966\}}, {\{1.9172\}}, {\{2.32904\}}, {\{2.65102\}}, {\{349.268\}}]
[{\{2.50127\}}, {\{1.86805\}}, {\{2.58716\}}, {\{2.29406\}}, {\{295.008\}}]
[{\{2.70322\}}, {\{2.6394\}}, {\{2.76084\}}, {\{2.59703\}}, {\{506.892\}}]
[{\{2.03008\}}, {\{2.65538\}}, {\{2.98788\}}, {\{2.7986\}}, {\{460.074\}}]
[{\{3.07791\}}, {\{2.80543\}}, {\{2.3586\}}, {\{3.16837\}}, {\{580.309\}}]

```

CE19B063

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0247144

Matrix Index 1 = 1, Matrix Index 2 = 4

Parameter No. = 4

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{0.433972\}}, {\{-0.48959\}}, {\{0.249193\}}, {\{0.0799596\}}, {\{17.2332\}}]
[{\{0.419894\}}, {\{0.287847\}}, {\{0.299564\}}, {\{-0.346503\}}, {\{16.4226\}}]
[{\{0.815409\}}, {\{0.290013\}}, {\{0.36105\}}, {\{-0.128547\}}, {\{18.5714\}}]
[{\{0.609593\}}, {\{1.10034\}}, {\{0.746481\}}, {\{0.410444\}}, {\{32.6926\}}]
[{\{0.524377\}}, {\{0.215263\}}, {\{0.0701294\}}, {\{0.793952\}}, {\{16.9507\}}]
[{\{-0.101264\}}, {\{0.388363\}}, {\{1.21925\}}, {\{0.698525\}}, {\{10.4689\}}]
[{\{0.929568\}}, {\{0.62969\}}, {\{0.619417\}}, {\{0.00839591\}}, {\{24.427\}}]
[{\{0.689782\}}, {\{0.542259\}}, {\{0.731248\}}, {\{0.804221\}}, {\{25.2018\}}]
[{\{1.03087\}}, {\{0.683399\}}, {\{0.578937\}}, {\{1.11302\}}, {\{34.2576\}}]
[{\{0.591815\}}, {\{0.679895\}}, {\{0.737449\}}, {\{0.789517\}}, {\{27.8687\}}]
[{\{0.913412\}}, {\{0.517178\}}, {\{0.937961\}}, {\{0.822516\}}, {\{30.2836\}}]
[{\{0.214125\}}, {\{1.22139\}}, {\{1.50345\}}, {\{1.71261\}}, {\{44.9113\}}]
[{\{1.65204\}}, {\{1.48269\}}, {\{0.987955\}}, {\{1.51001\}}, {\{103.124\}}]
[{\{1.53965\}}, {\{1.35012\}}, {\{1.82885\}}, {\{1.21239\}}, {\{116.324\}}]
[{\{1.63756\}}, {\{1.53856\}}, {\{1.47374\}}, {\{1.04525\}}, {\{117.031\}}]
[{\{1.29031\}}, {\{1.4405\}}, {\{1.53442\}}, {\{1.60151\}}, {\{108.904\}}]
[{\{1.74427\}}, {\{1.77675\}}, {\{1.80729\}}, {\{1.76158\}}, {\{183.805\}}]
[{\{1.51517\}}, {\{1.76931\}}, {\{1.80878\}}, {\{1.50614\}}, {\{160.069\}}]
[{\{1.77775\}}, {\{1.61466\}}, {\{1.9843\}}, {\{1.31678\}}, {\{163.951\}}]
[{\{1.69618\}}, {\{2.12491\}}, {\{2.45519\}}, {\{2.70678\}}, {\{311.855\}}]
[{\{2.25367\}}, {\{2.13335\}}, {\{2.2997\}}, {\{2.2752\}}, {\{336.767\}}]

```

[{2.26848}], [{2.3339}], [{2.28224}], [{1.73145}], [{342.8}]
[{1.99693}], [{2.38514}], [{1.76638}], [{2.1086}], [{292.672}]
[{2.26316}], [{1.79214}], [{1.85401}], [{1.99573}], [{233.354}]
[{2.63779}], [{2.4478}], [{1.97898}], [{2.53853}], [{409.929}]
[{2.81582}], [{2.70399}], [{2.92216}], [{2.65972}], [{632.976}]
[{2.94137}], [{2.24694}], [{2.61993}], [{2.88233}], [{509.966}]
[{2.83815}], [{2.59006}], [{1.93418}], [{2.29944}], [{440.057}]
[{2.91586}], [{2.63838}], [{2.79553}], [{2.84562}], [{624.584}]
[{2.70428}], [{3.35949}], [{3.04159}], [{3.02712}], [{867.794}]

CE19B064

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0183583

Matrix Index 1 = 4, Matrix Index 2 = 3

Parameter No. = 5

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{-0.428099}], [{-0.373365}], [{-0.115129}], [{-0.43858}], [{7.41364}]
[{-0.375598}], [{-0.144457}], [{-0.222439}], [{0.185276}], [{9.22013}]
[{-0.48437}], [{0.44612}], [{0.211169}], [{-0.784009}], [{6.60425}]
[{0.307456}], [{0.200374}], [{0.511939}], [{0.353697}], [{14.9792}]
[{0.241862}], [{0.369777}], [{0.207251}], [{0.277775}], [{15.2814}]
[{0.648496}], [{0.513499}], [{0.296925}], [{0.79557}], [{21.8235}]
[{0.858526}], [{0.0552433}], [{1.06407}], [{0.774639}], [{28.4676}]
[{0.863548}], [{1.31433}], [{0.827781}], [{0.891276}], [{55.8412}]
[{0.72793}], [{0.742542}], [{1.3157}], [{0.675651}], [{37.8175}]
[{0.936106}], [{0.646271}], [{0.896363}], [{1.06093}], [{37.2259}]
[{1.2675}], [{1.00971}], [{1.41868}], [{0.831983}], [{67.6789}]
[{1.2622}], [{1.49323}], [{0.725479}], [{1.23635}], [{77.4225}]
[{1.07799}], [{1.48237}], [{1.17716}], [{1.08681}], [{84.1035}]
[{1.32674}], [{1.16036}], [{0.756899}], [{1.03483}], [{60.9713}]
[{1.39306}], [{1.39071}], [{1.27594}], [{1.2983}], [{98.1028}]
[{1.78236}], [{1.23042}], [{1.38919}], [{2.19861}], [{131.453}]
[{1.37891}], [{1.91483}], [{1.58223}], [{1.8899}], [{176.654}]
[{1.45309}], [{1.42492}], [{1.47166}], [{1.55036}], [{117.623}]
[{1.61163}], [{1.93963}], [{1.43792}], [{1.99915}], [{188.851}]
[{2.12322}], [{2.04269}], [{1.72094}], [{1.599}], [{247.084}]
[{2.03277}], [{2.20695}], [{1.73692}], [{1.89393}], [{281.813}]
[{2.12323}], [{2.3447}], [{2.41285}], [{1.81954}], [{375.08}]
[{1.88506}], [{2.12985}], [{2.2398}], [{2.25}], [{315.049}]
[{2.09174}], [{2.8428}], [{2.23771}], [{2.89214}], [{515.433}]
[{2.27687}], [{1.81233}], [{2.59889}], [{2.01057}], [{317.02}]
[{2.40898}], [{2.2341}], [{2.74939}], [{3.1571}], [{508.057}]
[{2.98957}], [{1.98886}], [{2.62104}], [{2.47989}], [{459.161}]
[{2.47185}], [{2.50931}], [{2.50686}], [{3.5773}], [{571.924}]
[{3.00728}], [{2.55864}], [{2.59064}], [{3.04877}], [{641.683}]
[{2.89826}], [{3.40292}], [{2.62411}], [{2.87318}], [{886.957}]]

CE19B066

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.036487

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 1

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.115487}], [{0.350124}], [{-0.0574223}], [{-0.16902}], [{9.6248}]
[{0.300845}], [{0.338526}], [{0.214802}], [{-0.0268307}], [{16.0084}]
[{0.201356}], [{0.9244484}], [{0.18589}], [{0.423468}], [{20.3013}]
[{-0.342706}], [{0.436786}], [{0.511696}], [{0.369234}], [{8.29777}]
[{-0.238796}], [{0.63641}], [{0.124157}], [{0.294557}], [{11.5363}]
[{0.852223}], [{1.13466}], [{-0.157022}], [{-0.20177}], [{30.532}]
[{0.593537}], [{0.967689}], [{0.477738}], [{1.35072}], [{32.9842}]
[{1.27246}], [{0.211153}], [{1.0824}], [{0.736638}], [{36.1901}]
[{0.797622}], [{0.803747}], [{1.47762}], [{0.603829}], [{44.1688}]
[{0.966218}], [{0.262156}], [{1.33087}], [{0.981782}], [{39.5901}]
[{1.15033}], [{1.0991}], [{1.04584}], [{0.251556}], [{55.9299}]
[{1.22667}], [{0.815722}], [{0.733249}], [{1.27747}], [{50.8727}]
[{1.30911}], [{1.19205}], [{0.897671}], [{0.94647}], [{69.3244}]
[{1.83695}], [{0.748974}], [{1.41562}], [{0.855585}], [{74.9259}]
[{1.30225}], [{1.46015}], [{1.43126}], [{1.25951}], [{110.434}]
[{1.31132}], [{1.42927}], [{1.45581}], [{1.3187}], [{110.772}]
[{1.94277}], [{1.60702}], [{1.44092}], [{1.82953}], [{177.251}]
[{1.37312}], [{2.23462}], [{1.61337}], [{2.01898}], [{224.802}]
[{1.2888}], [{1.76992}], [{1.77812}], [{1.95407}], [{170.025}]
[{1.54413}], [{2.19691}], [{2.05161}], [{1.94522}], [{271.283}]
[{1.86572}], [{1.97577}], [{2.01163}], [{1.90354}], [{263.463}]
[{2.07412}], [{1.91048}], [{2.08982}], [{2.48275}], [{300.115}]
[{2.44481}], [{2.47356}], [{2.08774}], [{2.79787}], [{466.662}]
[{2.02013}], [{2.31597}], [{2.36335}], [{1.90852}], [{368.742}]
[{2.38532}], [{2.80098}], [{2.12485}], [{2.636}], [{533.344}]
[{2.59277}], [{2.55498}], [{2.64432}], [{2.82173}], [{587.732}]
[{2.31146}], [{2.59472}], [{3.17887}], [{2.677788}], [{616.832}]
[{2.85412}], [{2.9126}], [{2.35507}], [{2.86641}], [{689.223}]
[{3.18896}], [{2.78763}], [{3.08472}], [{2.99278}], [{845.296}]
[{2.78979}], [{3.03782}], [{3.00347}], [{3.21219}], [{863.409}]

```

CE19B071

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0337857

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 5

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.322332}], [{-0.444519}], [{0.0749044}], [{0.365303}], [{2.62061}]
[{-0.313104}], [{0.251857}], [{-0.105993}], [{-0.0973648}], [{3.17216}]
[{0.15164}], [{0.378161}], [{-0.572549}], [{0.280431}], [{8.71428}]
[{0.31082}], [{0.167367}], [{0.316172}], [{0.511622}], [{11.0608}]
[{0.428273}], [{0.647458}], [{0.409852}], [{0.374411}], [{14.2501}]
[{-0.0199247}], [{0.473519}], [{0.793558}], [{0.944103}], [{10.7198}]
[{0.526627}], [{0.759749}], [{0.20875}], [{1.31219}], [{20.8724}]
[{0.210536}], [{0.818248}], [{0.664616}], [{0.335118}], [{16.8886}]
[{0.972156}], [{0.582429}], [{0.865628}], [{0.508842}], [{30.9813}]
[{0.903311}], [{1.4926}], [{0.649134}], [{0.709783}], [{63.0194}]
[{1.66346}], [{0.88817}], [{0.860289}], [{1.07031}], [{65.7245}]
[{1.06913}], [{1.26215}], [{1.24428}], [{1.27922}], [{80.6126}]
[{1.37417}], [{1.19745}], [{1.22255}], [{0.894499}], [{85.4796}]
[{1.0273}], [{0.958755}], [{1.13143}], [{1.79491}], [{67.3701}]
[{1.87111}], [{1.0649}], [{1.78273}], [{1.24175}], [{124.664}]

```

[{1.20664}], [{1.7508}], [{2.07379}], [{1.18542}], [{175.543}]
[1.64291], [{1.78435}], [{1.81903}], [{1.65185}], [{214.582}]
[{1.41263}], [{1.83619}], [{1.70524}], [{1.8417}], [{200.798}]
[{1.25204}], [{1.65125}], [{2.09182}], [{1.98604}], [{190.368}]
[{1.70638}], [{1.96467}], [{1.88009}], [{2.09179}], [{268.114}]
[{2.42274}], [{1.69434}], [{2.42276}], [{1.50727}], [{300.64}]
[{2.20857}], [{2.0042}], [{2.75385}], [{1.90002}], [{404.665}]
[{2.00963}], [{2.52836}], [{2.04603}], [{3.00906}], [{481.365}]
[{2.38167}], [{1.92596}], [{2.70258}], [{2.36862}], [{432.085}]
[{2.31722}], [{2.49918}], [{2.78452}], [{2.02129}], [{563.063}]
[{2.49053}], [{2.58968}], [{2.58177}], [{2.8409}], [{650.751}]
[{2.62699}], [{2.95701}], [{2.4003}], [{2.40266}], [{734.515}]
[{2.68257}], [{3.29246}], [{2.52286}], [{2.79799}], [{927.904}]
[{2.94814}], [{2.89628}], [{2.81766}], [{2.42073}], [{847.975}]
[{2.76334}], [{2.65532}], [{3.11799}], [{3.16283}], [{846.133}]

CE19B072

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0239718

Matrix Index 1 = 5, Matrix Index 2 = 5

Parameter No. = 4

[%{ X1 },{{ X2 }&},{ X3 },{ X4 }\$],[@{ Y }]
[0.292004], [{0.098288}], [{0.043282}], [{-0.198298}], [{16.8655}]
[{-0.476058}], [{0.176115}], [{0.166232}], [{0.589116}], [{4.93215}]
[{-0.0310872}], [{-0.0700695}], [{0.0898411}], [{-0.158461}], [{11.6628}]
[{-0.34044}], [{-0.417865}], [{0.208136}], [{0.12874}], [{5.87063}]
[{0.284113}], [{0.343314}], [{0.767231}], [{0.49244}], [{17.0791}]
[{0.413152}], [{0.385012}], [{0.767242}], [{0.701101}], [{20.4292}]
[{0.536165}], [{0.828125}], [{0.888374}], [{0.255239}], [{29.2455}]
[{1.2019}], [{1.06092}], [{0.193544}], [{1.19138}], [{42.6288}]
[{1.18817}], [{1.07621}], [{0.947895}], [{0.805648}], [{60.4985}]
[{0.536543}], [{0.501641}], [{1.43238}], [{0.932311}], [{30.0388}]
[{0.693326}], [{0.334898}], [{1.49327}], [{0.987182}], [{32.8417}]
[{0.946617}], [{0.851571}], [{1.21827}], [{1.2562}], [{52.6195}]
[{1.06099}], [{1.18675}], [{1.00461}], [{0.64542}], [{60.2371}]
[{1.42007}], [{1.32377}], [{1.55227}], [{1.68126}], [{125.557}]
[{1.16996}], [{1.0241}], [{0.893971}], [{1.36763}], [{62.328}]
[{1.66207}], [{1.02785}], [{1.65921}], [{1.22565}], [{105.187}]
[{1.32904}], [{1.49046}], [{1.726}], [{1.24292}], [{130.96}]
[{1.99778}], [{1.42468}], [{1.18036}], [{1.23341}], [{132.192}]
[{1.76881}], [{1.96023}], [{2.01154}], [{1.84973}], [{260.018}]
[{2.46881}], [{1.94421}], [{2.1054}], [{2.26761}], [{359.969}]
[{2.1077}], [{2.01566}], [{1.8372}], [{2.04869}], [{295.215}]
[{1.53594}], [{2.51507}], [{1.46561}], [{2.18975}], [{286.111}]
[{1.93382}], [{2.32093}], [{1.87541}], [{2.24128}], [{345.205}]
[{2.45725}], [{2.0488}], [{2.20422}], [{2.59247}], [{409.363}]
[{2.65152}], [{2.2175}], [{2.58798}], [{2.59195}], [{522.127}]
[{3.17261}], [{2.29136}], [{2.8379}], [{2.41082}], [{635.615}]
[{1.91548}], [{2.82445}], [{2.79114}], [{3.06574}], [{623.525}]
[{2.55872}], [{2.50198}], [{2.55996}], [{2.43147}], [{564.501}]
[{2.61677}], [{2.58194}], [{2.67308}], [{2.92693}], [{654.579}]
[{2.45536}], [{2.67395}], [{2.71068}], [{3.44109}], [{700.824}]

CE19B078

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0496007

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.223607}], [{-0.444005}], [{-0.3349}], [{0.147124}], [{4.34689}]
[{0.296898}], [{0.760882}], [{0.0510963}], [{0.308273}], [{13.5149}]
[{-0.13572}], [{0.0613839}], [{0.424186}], [{0.151143}], [{5.2411}]
[{0.805072}], [{0.606305}], [{0.611784}], [{0.553005}], [{22.9178}]
[{-0.159404}], [{0.16244}], [{0.239866}], [{-0.150769}], [{4.74624}]
[{0.312634}], [{0.41691}], [{0.457281}], [{0.0513689}], [{11.3201}]
[{0.465239}], [{0.999921}], [{0.295003}], [{0.913469}], [{22.5039}]
[{0.691882}], [{0.718994}], [{0.694006}], [{0.915313}], [{27.1938}]
[{0.157605}], [{1.25602}], [{0.92312}], [{0.914615}], [{25.2551}]
[{1.03587}], [{0.839008}], [{0.583226}], [{1.18138}], [{37.1655}]
[{0.857865}], [{1.16121}], [{1.10666}], [{1.99924}], [{60.2207}]
[{1.30425}], [{0.882277}], [{1.14984}], [{0.358631}], [{44.6655}]
[{1.25454}], [{0.679025}], [{1.38488}], [{1.13471}], [{49.5284}]
[{1.36838}], [{1.06867}], [{1.73284}], [{0.76047}], [{75.3166}]
[{0.878344}], [{1.78802}], [{1.09828}], [{1.39325}], [{97.0977}]
[{1.46254}], [{1.82079}], [{1.80675}], [{1.74864}], [{182.661}]
[{1.07524}], [{1.56623}], [{1.78397}], [{1.79725}], [{125.493}]
[{1.68977}], [{1.53886}], [{1.81018}], [{1.61564}], [{159.606}]
[{2.06725}], [{1.43465}], [{1.81781}], [{2.01553}], [{184.624}]
[{1.82989}], [{2.16648}], [{1.39544}], [{2.07125}], [{242.698}]
[{1.87567}], [{1.47453}], [{1.62102}], [{0.981469}], [{138.605}]
[{1.998}], [{2.60512}], [{2.14951}], [{1.90606}], [{415.602}]
[{2.21867}], [{1.75386}], [{2.028}], [{1.79973}], [{248.624}]
[{2.33618}], [{2.35422}], [{2.41107}], [{2.11737}], [{430.447}]
[{2.25726}], [{2.67332}], [{2.223}], [{2.94576}], [{520.573}]
[{2.57101}], [{2.65985}], [{2.1967}], [{2.81164}], [{554.792}]
[{2.61067}], [{2.77193}], [{2.70431}], [{2.93629}], [{678.336}]
[{3.14316}], [{2.82759}], [{3.18702}], [{2.33091}], [{816.787}]
[{2.85847}], [{3.53207}], [{3.31218}], [{2.77123}], [{1128.77}]
[{2.75402}], [{2.42559}], [{3.13218}], [{2.44527}], [{609.211}]
```

CE19B091

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0381792

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.28981}], [{-0.147625}], [{0.0787786}], [{-0.321476}], [{5.6777}]
[{0.512809}], [{0.263771}], [{0.0943495}], [{-0.331279}], [{15.098}]
[{0.0130578}], [{0.288705}], [{0.107654}], [{0.201437}], [{10.1068}]
[{0.110787}], [{0.441202}], [{-0.0728808}], [{0.590894}], [{9.87839}]
[{-0.0648465}], [{0.373157}], [{0.15382}], [{0.152281}], [{9.9721}]
[{1.15939}], [{0.178311}], [{0.0943875}], [{0.174785}], [{18.0533}]
[{0.742648}], [{0.547209}], [{0.441905}], [{0.999039}], [{20.9926}]
[{0.25602}], [{0.75143}], [{0.694712}], [{1.03593}], [{18.4012}]
[{0.708371}], [{1.20873}], [{0.927543}], [{0.809026}], [{45.3746}]
```

[{0.855869}], [{0.899997}], [{1.15489}], [{0.550559}], [{38.2694}]
[1.09502], [{0.964604}], [{1.03295}], [{1.14375}], [{50.4654}]
[{1.35898}], [{2.24937}], [{1.04716}], [{1.02396}], [{161.382}]
[{1.24385}], [{1.57414}], [{0.572271}], [{0.994271}], [{74.8153}]
[{1.63528}], [{0.788308}], [{1.08392}], [{1.03818}], [{54.4506}]
[{1.13808}], [{1.58509}], [{1.65374}], [{1.78957}], [{122.233}]
[{1.57247}], [{1.48026}], [{1.55438}], [{1.51275}], [{126.571}]
[{2.45207}], [{1.92985}], [{1.8168}], [{1.14849}], [{241.489}]
[{1.54942}], [{1.97854}], [{1.77304}], [{1.50933}], [{194.491}]
[{1.80622}], [{1.13867}], [{1.75779}], [{1.92287}], [{121.954}]
[{1.84886}], [{2.41772}], [{1.65691}], [{2.05963}], [{290.982}]
[{2.5539}], [{1.951}], [{1.94832}], [{1.54526}], [{274.765}]
[{2.01887}], [{1.91982}], [{2.24004}], [{2.30376}], [{276.559}]
[{2.40409}], [{2.58631}], [{2.70891}], [{2.38965}], [{516.424}]
[{2.73844}], [{2.40399}], [{2.77843}], [{2.07608}], [{497.737}]
[{2.74352}], [{2.22079}], [{2.46647}], [{2.37542}], [{437.205}]
[{2.56616}], [{2.6498}], [{2.3619}], [{2.64342}], [{528.849}]
[{2.33267}], [{1.91282}], [{2.04054}], [{2.50347}], [{297.631}]
[{2.83556}], [{2.80127}], [{2.4774}], [{3.1403}], [{655.33}]
[{2.47176}], [{3.27842}], [{2.80106}], [{2.58346}], [{773.086}]
[{2.96511}], [{3.22585}], [{3.19091}], [{2.69899}], [{918.876}]

CE19B094

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.028122

Matrix Index 1 = 3, Matrix Index 2 = 1

Parameter No. = 1

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@[Y]]
[{0.275344}], [{0.260457}], [{-0.426312}], [{0.148026}], [{11.0128}]
[{0.621444}], [{-0.0744097}], [{0.3544}], [{-0.413822}], [{13.463}]
[{0.225681}], [{0.111363}], [{0.416877}], [{0.301584}], [{11.1532}]
[{0.254636}], [{0.562527}], [{0.624683}], [{0.308236}], [{15.1055}]
[{0.15099}], [{0.399599}], [{0.234953}], [{-0.236372}], [{12.2815}]
[{0.946672}], [{0.323433}], [{0.387537}], [{0.598158}], [{19.6192}]
[{0.58679}], [{0.926072}], [{0.770905}], [{0.755931}], [{28.4226}]
[{0.926088}], [{0.366315}], [{1.36335}], [{0.799367}], [{28.011}]
[{0.952198}], [{0.776849}], [{0.678784}], [{0.667368}], [{29.5204}]
[{0.901932}], [{1.48327}], [{1.2942}], [{0.847663}], [{77.0044}]
[{0.785017}], [{1.59328}], [{0.710846}], [{0.79402}], [{59.2972}]
[{1.06744}], [{1.41418}], [{1.21884}], [{1.59467}], [{85.0771}]
[{1.99875}], [{1.28869}], [{1.38719}], [{0.938539}], [{105.139}]
[{1.17235}], [{1.07444}], [{1.64859}], [{1.3697}], [{76.6946}]
[{0.541499}], [{1.02561}], [{1.02909}], [{0.999735}], [{37.0806}]
[{1.27363}], [{1.34016}], [{1.6862}], [{1.47595}], [{102.355}]
[{1.5499}], [{1.80494}], [{1.32882}], [{2.419}], [{161.39}]
[{2.39556}], [{1.37036}], [{1.50314}], [{1.51229}], [{148.27}]
[{1.90364}], [{1.71311}], [{1.78404}], [{1.70761}], [{186.422}]
[{2.09192}], [{2.28598}], [{1.75494}], [{1.94245}], [{294.059}]
[{2.57959}], [{1.71943}], [{2.53704}], [{1.94638}], [{296.56}]
[{1.60783}], [{2.14192}], [{2.24792}], [{2.55218}], [{285.879}]
[{1.96035}], [{2.86166}], [{2.78643}], [{1.70164}], [{511.31}]
[{2.24102}], [{1.98696}], [{2.57324}], [{3.0172}], [{375.837}]
[{2.12911}], [{2.37391}], [{1.98355}], [{2.05071}], [{339.212}]

```
[{2.77727}], [{2.07461}], [{2.1403}], [{2.31392}], [{367.528}]
[{3.02902}], [{2.43265}], [{2.89234}], [{3.00163}], [{625.346}]
[{2.45287}], [{3.02365}], [{2.33795}], [{2.77425}], [{619.388}]
[{2.66064}], [{2.8079}], [{2.76918}], [{2.54395}], [{636.907}]
[{2.91249}], [{3.23085}], [{2.37601}], [{2.66703}], [{757.405}]
```

CE19B098

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0132447

Matrix Index 1 = 4, Matrix Index 2 = 2

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{-0.536256}], [{-0.102224}], [{-0.509579}], [{-0.0286039}], [{3.27864}]
[{-0.12428}], [{0.350712}], [{0.394351}], [{-0.655171}], [{9.33267}]
[{0.273392}], [{-0.121268}], [{0.915063}], [{0.213513}], [{14.1664}]
[{0.774859}], [{0.873746}], [{0.196158}], [{0.358206}], [{21.9906}]
[{0.858596}], [{0.0754455}], [{0.457409}], [{0.356404}], [{18.3921}]
[{0.000689739}], [{0.908112}], [{0.737858}], [{0.979969}], [{13.7399}]
[{0.35301}], [{0.0882484}], [{0.698469}], [{0.309955}], [{14.0654}]
[{0.990551}], [{0.756952}], [{1.13037}], [{-0.069673}], [{28.139}]
[{1.33807}], [{1.15798}], [{0.957563}], [{0.911253}], [{59.3422}]
[{0.651324}], [{0.795152}], [{1.47371}], [{1.36448}], [{38.786}]
[{1.01853}], [{1.30721}], [{1.23425}], [{0.895575}], [{61.7793}]
[{1.01291}], [{1.15019}], [{1.36606}], [{1.21596}], [{60.3498}]
[{0.23281}], [{1.47192}], [{1.19582}], [{1.02944}], [{36.9574}]
[{1.69336}], [{1.82421}], [{0.857812}], [{1.5128}], [{119.11}]
[{0.928178}], [{1.54562}], [{1.55032}], [{1.26195}], [{81.5776}]
[{1.78934}], [{1.82546}], [{1.80397}], [{2.04216}], [{183.79}]
[{2.20772}], [{1.32284}], [{2.3246}], [{1.96484}], [{186.57}]
[{2.00625}], [{1.1441}], [{2.04359}], [{2.45694}], [{160.727}]
[{1.50365}], [{1.5625}], [{1.92257}], [{1.6095}], [{133.126}]
[{1.78166}], [{2.41411}], [{2.24096}], [{1.74038}], [{276.008}]
[{1.86266}], [{1.41674}], [{1.9894}], [{2.06488}], [{159.104}]
[{1.86633}], [{1.21243}], [{2.24429}], [{1.73172}], [{141.847}]
[{1.43247}], [{2.12555}], [{2.53433}], [{1.87755}], [{224.636}]
[{1.90938}], [{2.15224}], [{1.99423}], [{2.6367}], [{265.415}]
[{2.29768}], [{2.52771}], [{2.50381}], [{2.46466}], [{407.367}]
[{2.3204}], [{2.03476}], [{2.8532}], [{2.94046}], [{378.743}]
[{2.59596}], [{2.47446}], [{2.89362}], [{2.68445}], [{485.628}]
[{2.7138}], [{2.95676}], [{2.38214}], [{2.87268}], [{565.592}]
[{2.31435}], [{2.54873}], [{2.83472}], [{2.57476}], [{451.443}]
[{3.07163}], [{2.92697}], [{2.83514}], [{2.27995}], [{631.837}]
```

CE19B101

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0471444

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 4

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[0.032102], [{-0.063219}], [{-0.290403}], [{0.142542}], [{12.6375}]
[{-0.327483}], [{-0.0592992}], [{-0.496914}], [{0.0471645}], [{7.14614}]
[{0.804644}], [{-0.154755}], [{0.167584}], [{0.0600703}], [{22.1115}]
```

[{0.160022}], [{0.539882}], [{0.337783}], [{-0.1783}], [{16.1984}]
 [{0.38203}], [{0.273047}], [{0.408254}], [{0.196449}], [{15.3519}]
 [{0.154462}], [{0.33399}], [{0.431671}], [{0.25716}], [{15.7232}]
 [{0.86088}], [{1.41006}], [{0.574363}], [{0.591121}], [{52.229}]
 [{0.970683}], [{0.792928}], [{0.277896}], [{0.606543}], [{33.064}]
 [{0.811048}], [{0.265596}], [{0.507225}], [{1.06505}], [{24.5638}]
 [{0.58161}], [{0.465657}], [{1.13502}], [{0.69104}], [{26.6341}]
 [{1.00617}], [{1.4026}], [{1.61873}], [{1.42738}], [{90.9734}]
 [{0.990195}], [{1.0869}], [{0.796106}], [{0.502996}], [{46.0167}]
 [{0.993718}], [{0.847183}], [{0.897632}], [{0.849375}], [{42.7145}]
 [{1.62059}], [{1.75738}], [{1.10806}], [{1.07636}], [{127.576}]
 [{1.14517}], [{1.69973}], [{1.69426}], [{1.45653}], [{125.437}]
 [{1.86275}], [{1.45571}], [{1.51926}], [{1.31963}], [{135.393}]
 [{1.99331}], [{1.51555}], [{2.20105}], [{1.56987}], [{185.472}]
 [{1.62662}], [{2.24046}], [{2.11012}], [{1.52542}], [{250.094}]
 [{2.27164}], [{1.65433}], [{2.34645}], [{1.55202}], [{232.296}]
 [{1.59772}], [{1.24437}], [{1.74372}], [{1.83266}], [{125.447}]
 [{1.77369}], [{2.15379}], [{2.21483}], [{1.72536}], [{264.326}]
 [{2.31047}], [{1.65856}], [{2.26967}], [{2.21921}], [{261.458}]
 [{2.10998}], [{2.29728}], [{1.68444}], [{1.80342}], [{281.089}]
 [{2.74625}], [{2.46888}], [{2.17611}], [{2.37236}], [{451.701}]
 [{2.67319}], [{2.24457}], [{2.9056}], [{1.96776}], [{440.408}]
 [{2.75621}], [{2.30773}], [{2.55111}], [{2.13148}], [{442.138}]
 [{2.08508}], [{3.16378}], [{2.3145}], [{2.73933}], [{564.614}]
 [{3.27601}], [{2.94428}], [{2.86685}], [{2.30123}], [{742.181}]
 [{3.37744}], [{2.51417}], [{2.83924}], [{2.62052}], [{643.313}]
 [{2.87921}], [{2.97328}], [{3.12828}], [{2.69923}], [{757.069}]

CE19B104

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0419865

Matrix Index 1 = 4, Matrix Index 2 = 5

Parameter No. = 1

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
 [{0.282127}], [{0.0319358}], [{-0.109086}], [{-0.0523252}], [{13.1892}]
 [{0.392482}], [{0.211096}], [{-0.0795123}], [{0.271578}], [{13.0464}]
 [{-0.423427}], [{0.243315}], [{-0.0583712}], [{0.256556}], [{6.57871}]
 [{0.205273}], [{0.315004}], [{0.339343}], [{0.248317}], [{12.7741}]
 [{0.776264}], [{0.305722}], [{0.0323756}], [{0.695659}], [{17.2812}]
 [{0.242605}], [{0.417879}], [{0.0394842}], [{0.790412}], [{13.253}]
 [{0.329113}], [{0.303642}], [{0.697614}], [{0.151122}], [{12.2216}]
 [{0.929852}], [{0.975421}], [{0.39498}], [{0.947884}], [{36.1927}]
 [{0.571821}], [{0.942212}], [{0.963631}], [{0.446503}], [{33.2451}]
 [{1.07216}], [{0.601382}], [{0.876141}], [{1.28264}], [{42.1808}]
 [{1.11649}], [{0.648551}], [{0.873277}], [{0.734336}], [{37.9918}]
 [{1.0328}], [{1.54098}], [{1.30776}], [{1.67124}], [{104.499}]
 [{0.70928}], [{1.46317}], [{1.2619}], [{1.37163}], [{73.5009}]
 [{1.63868}], [{1.84465}], [{0.866927}], [{1.83242}], [{142.679}]
 [{0.919599}], [{1.90976}], [{1.35003}], [{1.19915}], [{119.123}]
 [{1.99014}], [{1.73702}], [{1.20766}], [{1.26782}], [{164.073}]
 [{1.71746}], [{1.54407}], [{1.4393}], [{1.74569}], [{155.733}]
 [{1.34395}], [{1.39452}], [{1.40283}], [{1.58782}], [{113.688}]
 [{2.50497}], [{1.51432}], [{1.5112}], [{2.17492}], [{228.631}]

[{2.31335}], [{1.70327}], [{2.1111}], [{1.37613}], [{243.315}]
[{1.98219}], [{2.8616}], [{2.1924}], [{1.99374}], [{472.634}]
[{2.50464}], [{2.0737}], [{1.82397}], [{2.12461}], [{339.751}]
[{2.24696}], [{1.73692}], [{1.84441}], [{2.66101}], [{294.554}]
[{2.19313}], [{2.38046}], [{2.10643}], [{2.07826}], [{391.927}]
[{2.28304}], [{2.52437}], [{2.18119}], [{2.13104}], [{445.515}]
[{2.42926}], [{2.93375}], [{2.04874}], [{2.49394}], [{568.783}]
[{2.72334}], [{2.36654}], [{2.65018}], [{2.69644}], [{577.743}]
[{2.45755}], [{3.23136}], [{2.39904}], [{3.3837}], [{785.089}]
[{2.68215}], [{3.01846}], [{2.69782}], [{2.46987}], [{741.653}]
[{3.25122}], [{2.57299}], [{3.108}], [{3.36244}], [{886.714}]

CE19B108

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.047947

Matrix Index 1 = 4, Matrix Index 2 = 3

Parameter No. = 3

[%{ X1 },{{ X2 }&},{ X3 },{ X4 }\$],[@{ Y }]
[{{0.301572}},{ {-0.234801}},{ {-0.519832}},{ {-0.325299}},{ {14.4095}}]
[{{0.583958}},{ {0.208093}},{ {0.25177}},{ {-0.126536}},{ {17.4558}}]
[{{0.347705}},{ {0.689169}},{ {0.509725}},{ {0.276007}},{ {20.2364}}]
[{{-0.0949585}},{ {0.031729}},{ {0.145695}},{ {-0.135358}},{ {8.77379}}]
[{{0.947316}},{ {0.730356}},{ {0.0390432}},{ {0.753501}},{ {25.6292}}]
[{{0.565098}},{ {0.735744}},{ {-0.210673}},{ {0.256096}},{ {17.6992}}]
[{{-0.114866}},{ {0.00917579}},{ {0.362213}},{ {0.3381}},{ {9.1182}}]
[{{1.21093}},{ {0.712576}},{ {0.701402}},{ {0.174173}},{ {34.3146}}]
[{{0.77166}},{ {0.807449}},{ {0.939647}},{ {0.674489}},{ {36.5211}}]
[{{1.12866}},{ {0.389581}},{ {1.12965}},{ {1.00257}},{ {40.9849}}]
[{{0.647987}},{ {0.679153}},{ {1.06457}},{ {0.996144}},{ {33.4898}}]
[{{1.43716}},{ {1.26826}},{ {0.757219}},{ {0.898883}},{ {72.5866}}]
[{{1.36496}},{ {1.34052}},{ {1.08408}},{ {0.897794}},{ {87.4887}}]
[{{1.3089}},{ {0.74032}},{ {1.11573}},{ {0.778681}},{ {50.5673}}]
[{{1.1002}},{ {1.2356}},{ {1.1316}},{ {1.23676}},{ {76.2971}}]
[{{2.05138}},{ {1.44652}},{ {1.03429}},{ {1.14833}},{ {127.516}}]
[{{2.10816}},{ {1.51481}},{ {2.16747}},{ {1.18079}},{ {197.196}}]
[{{1.15091}},{ {1.52299}},{ {1.61489}},{ {1.63721}},{ {124.033}}]
[{{2.41284}},{ {2.02046}},{ {1.46606}},{ {1.43057}},{ {260.019}}]
[{{1.6927}},{ {2.56394}},{ {2.16772}},{ {1.88702}},{ {371.959}}]
[{{2.06943}},{ {1.42045}},{ {2.03716}},{ {1.75181}},{ {205.47}}]
[{{2.68874}},{ {2.47636}},{ {2.11944}},{ {2.38435}},{ {503.329}}]
[{{1.95137}},{ {2.44973}},{ {2.27018}},{ {2.47971}},{ {421.169}}]
[{{2.17964}},{ {2.5147}},{ {2.19502}},{ {2.07034}},{ {435.782}}]
[{{2.22547}},{ {1.72472}},{ {1.95003}},{ {2.27449}},{ {279.661}}]
[{{2.80182}},{ {2.73271}},{ {2.41358}},{ {2.68638}},{ {656.442}}]
[{{2.85176}},{ {2.61612}},{ {2.28038}},{ {2.55499}},{ {598.481}}]
[{{2.4086}},{ {2.19082}},{ {2.20954}},{ {2.06422}},{ {394.054}}]
[{{3.28737}},{ {3.06618}},{ {2.4587}},{ {2.99141}},{ {887.837}}]
[{{2.56532}},{ {2.89881}},{ {3.24107}},{ {2.60164}},{ {794.449}}]

CE19B114

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0354455

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 3

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.0199172}}, [{1.08003}], [{0.0995299}], [{-0.286234}], [{9.94772}]
[{{-0.118729}}, [{-0.554249}], [{-0.310627}], [{0.48406}], [{6.21002}]
[{{0.583676}}, [{0.0942668}], [{0.382988}], [{0.0211988}], [{15.4577}]
[{{0.784343}}, [{0.631544}], [{0.130754}], [{0.151149}], [{24.3283}]
[{{0.616263}}, [{0.445625}], [{0.250008}], [{0.342936}], [{20.2685}]
[{{0.913599}}, [{0.755185}], [{0.335496}], [{0.575791}], [{32.7836}]
[{{-0.125413}}, [{0.60223}], [{0.688942}], [{0.99586}], [{8.0444}]
[{{0.426825}}, [{0.386579}], [{0.437235}], [{0.359486}], [{16.8879}]
[{{0.781431}}, [{1.18339}], [{1.18029}], [{0.716123}], [{57.6351}]
[{{1.0323}}, [{0.888648}], [{0.85074}], [{1.04315}], [{50.2751}]
[{{0.95305}}, [{1.1962}], [{0.58378}], [{1.31116}], [{54.9059}]
[{{0.51369}}, [{0.651166}], [{1.6358}], [{1.73582}], [{41.4608}]
[{{1.27235}}, [{0.594132}], [{1.21047}], [{1.05144}], [{55.9067}]
[{{1.23331}}, [{0.955016}], [{0.705332}], [{1.18082}], [{57.8231}]
[{{1.26565}}, [{1.48044}], [{1.34021}], [{1.1964}], [{113.49}]
[{{1.00251}}, [{1.61765}], [{1.66093}], [{1.88796}], [{137.835}]
[{{1.43242}}, [{0.675819}], [{1.48067}], [{0.878464}], [{65.3508}]
[{{0.855812}}, [{1.31116}], [{1.90909}], [{1.71172}], [{105.488}]
[{{1.59137}}, [{1.60211}], [{1.5209}], [{1.75649}], [{169.667}]
[{{1.68871}}, [{2.14148}], [{2.07125}], [{1.98429}], [{303.612}]
[{{2.18909}}, [{1.9212}], [{1.62374}], [{2.67257}], [{307.085}]
[{{2.34916}}, [{2.39059}], [{2.03827}], [{2.29432}], [{448.537}]
[{{2.14557}}, [{2.60911}], [{2.09651}], [{2.11044}], [{469.731}]
[{{2.06322}}, [{2.69805}], [{2.50824}], [{2.0371}], [{532.767}]
[{{2.32738}}, [{2.65739}], [{2.20031}], [{2.0645}], [{521.679}]
[{{2.08372}}, [{2.61279}], [{2.19244}], [{2.66663}], [{504.397}]
[{{2.2982}}, [{2.62413}], [{2.71527}], [{2.87085}], [{633.169}]
[{{3.57358}}, [{2.59609}], [{2.77233}], [{2.98691}], [{878.604}]
[{{2.51914}}, [{3.0176}], [{3.03546}], [{2.94502}], [{867.569}]
[{{3.05485}}, [{3.12485}], [{2.70488}], [{2.86666}], [{953.295}]
```

CH19B015

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0140521

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{-0.238422}}, [{0.0186958}], [{0.023782}], [{0.44159}], [{5.7814}]
[{{0.58744}}, [{0.688714}], [{0.455617}], [{0.141765}], [{15.3022}]
[{{-0.116189}}, [{0.152573}], [{0.109208}], [{0.209089}], [{6.961}]
[{{1.12446}}, [{0.0453894}], [{0.842833}], [{0.166958}], [{21.5848}]
[{{0.363463}}, [{0.436459}], [{0.490805}], [{0.395253}], [{14.6392}]
[{{1.11902}}, [{1.16994}], [{0.688205}], [{0.464869}], [{42.3783}]
[{{0.468334}}, [{0.606788}], [{0.874923}], [{0.61547}], [{19.279}]
[{{0.816281}}, [{0.139219}], [{0.676892}], [{0.382195}], [{19.3446}]
[{{0.540345}}, [{0.97769}], [{1.21866}], [{0.400891}], [{37.629}]
[{{0.823391}}, [{0.678255}], [{1.33807}], [{0.711959}], [{36.2046}]
[{{0.716982}}, [{0.58396}], [{0.707827}], [{1.04741}], [{24.7293}]
[{{0.726593}}, [{0.768565}], [{1.25204}], [{1.61556}], [{42.7256}]
[{{1.02803}}, [{1.00441}], [{0.974356}], [{1.33555}], [{53.2081}]]
```

```

[{\{1.30093\}}, {\{1.20126\}}, {\{1.3827\}}, {\{1.42586\}}, {\{86.3665\}}]
[{\{1.1706\}}, {\{0.864338\}}, {\{1.71781\}}, {\{1.40289\}}, {\{67.9857\}}]
[{\{1.80856\}}, {\{1.20068\}}, {\{1.3229\}}, {\{0.958315\}}, {\{97.7163\}}]
[{\{1.39735\}}, {\{1.44088\}}, {\{2.00205\}}, {\{1.56818\}}, {\{142.657\}}]
[{\{1.79143\}}, {\{1.69146\}}, {\{1.56103\}}, {\{1.71554\}}, {\{175.667\}}]
[{\{2.0475\}}, {\{1.40202\}}, {\{1.63882\}}, {\{1.99248\}}, {\{167.978\}}]
[{\{1.53922\}}, {\{2.59851\}}, {\{1.40881\}}, {\{1.93369\}}, {\{285.212\}}]
[{\{2.37905\}}, {\{2.22137\}}, {\{2.01993\}}, {\{1.99442\}}, {\{356.698\}}]
[{\{2.2503\}}, {\{2.30674\}}, {\{2.78281\}}, {\{2.12664\}}, {\{451.716\}}]
[{\{2.35323\}}, {\{2.49054\}}, {\{2.40351\}}, {\{2.30845\}}, {\{476.497\}}]
[{\{2.81935\}}, {\{2.61344\}}, {\{2.04954\}}, {\{1.68069\}}, {\{486.075\}}]
[{\{2.39541\}}, {\{3.07122\}}, {\{2.17843\}}, {\{2.1236\}}, {\{612.15\}}]
[{\{2.38306\}}, {\{2.35978\}}, {\{2.51334\}}, {\{2.29346\}}, {\{458.642\}}]
[{\{2.37572\}}, {\{3.38269\}}, {\{2.33803\}}, {\{2.64516\}}, {\{763.969\}}]
[{\{3.0198\}}, {\{2.85963\}}, {\{2.64361\}}, {\{2.15062\}}, {\{702.533\}}]
[{\{2.9257\}}, {\{2.84865\}}, {\{2.94269\}}, {\{2.90182\}}, {\{788.154\}}]
[{\{3.16405\}}, {\{3.19878\}}, {\{2.48269\}}, {\{2.71342\}}, {\{861.676\}}]

```

CH19B017

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.0209371

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 5

```

[%{ X1 },{\{ X2 \}&},{\{ X3 \}},{\{ X4 \}$},{@{ Y }]}
[{\{-0.0342559\}}, {\{-0.0550212\}}, {\{0.538413\}}, {\{-0.415944\}}, {\{8.0398\}}]
[{\{-0.155021\}}, {\{-0.0286247\}}, {\{-0.0357424\}}, {\{0.319956\}}, {\{9.52497\}}]
[{\{0.353954\}}, {\{0.0731956\}}, {\{0.0869275\}}, {\{0.160959\}}, {\{13.0684\}}]
[{\{0.297327\}}, {\{-0.231546\}}, {\{0.77794\}}, {\{0.254541\}}, {\{12.8765\}}]
[{\{0.0443542\}}, {\{0.702892\}}, {\{0.466867\}}, {\{0.526991\}}, {\{11.5578\}}]
[{\{1.06658\}}, {\{0.557094\}}, {\{0.706286\}}, {\{0.0805381\}}, {\{27.9717\}}]
[{\{0.834732\}}, {\{0.635048\}}, {\{-0.258757\}}, {\{0.749425\}}, {\{21.3453\}}]
[{\{0.876118\}}, {\{0.408063\}}, {\{0.387387\}}, {\{1.08064\}}, {\{26.1584\}}]
[{\{1.03747\}}, {\{0.517502\}}, {\{0.853873\}}, {\{0.716101\}}, {\{31.5191\}}]
[{\{0.994325\}}, {\{0.753772\}}, {\{0.979478\}}, {\{0.814267\}}, {\{39.3493\}}]
[{\{1.11748\}}, {\{0.705724\}}, {\{1.08683\}}, {\{1.11314\}}, {\{46.8435\}}]
[{\{1.10414\}}, {\{1.31249\}}, {\{1.33182\}}, {\{1.30245\}}, {\{82.7681\}}]
[{\{1.20245\}}, {\{1.16015\}}, {\{1.29154\}}, {\{1.55079\}}, {\{81.7181\}}]
[{\{1.26121\}}, {\{1.01082\}}, {\{1.66145\}}, {\{1.59807\}}, {\{83.3807\}}]
[{\{1.63518\}}, {\{1.62035\}}, {\{2.14352\}}, {\{1.62741\}}, {\{181.992\}}]
[{\{0.975808\}}, {\{1.44187\}}, {\{2.16531\}}, {\{2.47077\}}, {\{134.328\}}]
[{\{1.39154\}}, {\{1.16354\}}, {\{1.18377\}}, {\{2.16109\}}, {\{95.0676\}}]
[{\{1.44748\}}, {\{1.18559\}}, {\{1.98475\}}, {\{1.11151\}}, {\{105.413\}}]
[{\{1.84349\}}, {\{1.8318\}}, {\{1.76201\}}, {\{1.60152\}}, {\{207.06\}}]
[{\{2.01245\}}, {\{1.46022\}}, {\{1.51998\}}, {\{2.0972\}}, {\{175.025\}}]
[{\{2.33048\}}, {\{1.85294\}}, {\{2.05176\}}, {\{2.05429\}}, {\{285.398\}}]
[{\{2.61185\}}, {\{1.77023\}}, {\{2.28793\}}, {\{2.55956\}}, {\{343.592\}}]
[{\{2.54856\}}, {\{2.29011\}}, {\{2.55615\}}, {\{2.44829\}}, {\{466.892\}}]
[{\{2.61395\}}, {\{2.43214\}}, {\{2.43214\}}, {\{2.1314\}}, {\{481.035\}}]
[{\{2.09953\}}, {\{2.50009\}}, {\{2.68976\}}, {\{2.11028\}}, {\{451.375\}}]
[{\{2.53878\}}, {\{2.43059\}}, {\{2.50111\}}, {\{2.54081\}}, {\{502.304\}}]
[{\{2.5706\}}, {\{2.23421\}}, {\{2.2317\}}, {\{2.25597\}}, {\{414.706\}}]
[{\{2.19797\}}, {\{2.69733\}}, {\{2.46381\}}, {\{2.7238\}}, {\{525.601\}}]
[{\{2.8899\}}, {\{3.07024\}}, {\{2.67916\}}, {\{3.12926\}}, {\{823.264\}}]

```

[{3.14023}], [{2.89964}], [{2.86753}], [{2.91448}], [{825.048}]

CH19B038

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0407303

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 2

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.280474}], [{0.699431}], [{-0.079279}], [{0.311077}], [{7.59402}]
[{0.388404}], [{0.308587}], [{0.133907}], [{0.0447569}], [{15.3359}]
[{-0.124907}], [{0.0226617}], [{0.469439}], [{0.549404}], [{6.95618}]
[{0.347284}], [{0.762167}], [{-0.272414}], [{-0.257039}], [{12.8665}]
[{0.556616}], [{0.239099}], [{0.451866}], [{0.143093}], [{17.616}]
[{0.0462565}], [{0.845431}], [{0.69665}], [{0.764395}], [{17.8496}]
[{0.679436}], [{-0.306436}], [{0.460087}], [{1.15781}], [{21.781}]
[{0.291159}], [{1.18104}], [{0.605187}], [{0.229255}], [{26.8109}]
[{0.720726}], [{0.670124}], [{0.342874}], [{0.380137}], [{21.4002}]
[{0.797042}], [{1.19179}], [{0.865903}], [{0.487528}], [{46.1718}]
[{1.86395}], [{1.00527}], [{1.26972}], [{0.978583}], [{83.2411}]
[{0.946892}], [{1.26991}], [{0.48108}], [{0.88401}], [{47.2049}]
[{1.25613}], [{0.760321}], [{1.66157}], [{1.53554}], [{70.3653}]
[{1.40186}], [{1.04233}], [{1.01112}], [{1.24126}], [{65.9066}]
[{1.51727}], [{1.25743}], [{1.11098}], [{1.23916}], [{88.0222}]
[{1.46022}], [{1.53718}], [{1.06602}], [{1.40774}], [{107.276}]
[{1.56329}], [{1.51038}], [{1.70781}], [{1.85711}], [{150.498}]
[{1.64121}], [{1.92062}], [{1.59209}], [{1.26493}], [{181.697}]
[{1.68399}], [{2.25309}], [{1.95107}], [{2.23725}], [{289.887}]
[{1.86534}], [{2.32883}], [{1.60575}], [{2.01239}], [{281.284}]
[{2.11393}], [{1.93427}], [{2.0308}], [{2.08163}], [{278.04}]
[{2.21836}], [{2.03623}], [{1.97126}], [{2.17615}], [{304.646}]
[{2.05215}], [{2.26152}], [{2.92723}], [{1.80574}], [{396.454}]
[{2.75657}], [{2.21676}], [{3.0756}], [{2.91476}], [{574.247}]
[{2.10113}], [{2.19854}], [{2.03056}], [{1.71253}], [{307.83}]
[{2.41527}], [{2.5452}], [{2.27828}], [{2.54049}], [{485.463}]
[{2.56493}], [{2.61257}], [{2.0881}], [{2.62154}], [{503.324}]
[{2.33564}], [{2.89684}], [{3.26849}], [{2.45072}], [{699.683}]
[{3.19772}], [{3.08189}], [{2.68356}], [{2.96562}], [{872.252}]
[{3.44596}], [{3.17622}], [{2.95579}], [{2.72166}], [{988.525}]

CH19B054

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.04995

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.173797}], [{-0.295935}], [{-0.0324144}], [{-0.00371554}], [{10.6065}]
[{0.083308}], [{-0.423504}], [{0.46217}], [{0.613802}], [{13.9319}]
[{0.59862}], [{0.187576}], [{-0.207305}], [{0.516714}], [{20.3839}]
[{-0.0360691}], [{-0.0719966}], [{0.751531}], [{0.605599}], [{10.3979}]
[{0.0193511}], [{0.0052891}], [{0.946604}], [{0.473039}], [{13.4964}]
[{0.838652}], [{0.147941}], [{0.319786}], [{0.6221}], [{22.941}]
[{0.480122}], [{0.78139}], [{0.288194}], [{0.0170202}], [{24.3158}]

[[{0.604063}], [{-0.00825588}], [{0.729678}], [{0.999269}], [{26.0629}]
 [[1.14086]], [{0.80907}], [{0.827547}], [{0.964088}], [{51.0784}]
 [[0.303815]], [{1.33812}], [{1.05141}], [{1.34972}], [{48.6484}]
 [[0.735216]], [{1.15286}], [{1.27551}], [{1.35519}], [{64.7892}]
 [[1.05224]], [{1.40502}], [{1.21939}], [{0.795758}], [{89.3066}]
 [[0.835509]], [{0.816203}], [{0.985789}], [{1.10309}], [{46.5985}]
 [[1.48545]], [{1.67688}], [{1.72318}], [{1.48866}], [{179.981}]
 [[1.96903]], [{1.65935}], [{2.40912}], [{1.20187}], [{241.463}]
 [[1.37996]], [{1.78005}], [{1.52484}], [{1.71091}], [{179.417}]
 [[1.15403]], [{1.02125}], [{1.90751}], [{1.76631}], [{104.599}]
 [[1.69062]], [{1.70153}], [{1.28687}], [{1.59767}], [{175.655}]
 [[1.52403]], [{1.67766}], [{1.44713}], [{2.31569}], [{184.75}]
 [[1.7017]], [{1.98032}], [{2.22853}], [{1.92409}], [{295.5}]
 [[2.18956]], [{2.49285}], [{2.12862}], [{1.66282}], [{447.828}]
 [[1.71065]], [{2.71446}], [{2.21646}], [{2.7303}], [{490.653}]
 [[2.78298]], [{2.32347}], [{1.89893}], [{2.1555}], [{480.863}]
 [[2.38749]], [{2.09004}], [{2.17441}], [{2.29404}], [{409.737}]
 [[2.35344]], [{2.55689}], [{2.49899}], [{2.69722}], [{594.951}]
 [[2.80158]], [{2.58318}], [{2.96105}], [{2.2179}], [{708.362}]
 [[3.73983]], [{2.65525}], [{2.74995}], [{2.67887}], [{913.79}]
 [[2.18505]], [{2.56257}], [{2.63701}], [{2.50296}], [{572.882}]
 [[2.79229]], [{2.60464}], [{2.6851}], [{2.57939}], [{704.256}]
 [[2.76907]], [{2.60105}], [{2.96885}], [{2.96575}], [{772.914}]

CH19B078

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0417861

Matrix Index 1 = 4, Matrix Index 2 = 2

Parameter No. = 4

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
 [[{0.0111503}], [{-0.385984}], [{0.115453}], [{-0.0677292}], [{11.314}]
 [[{0.595191}], [{-0.38087}], [{0.0877036}], [{0.121975}], [{19.6236}]
 [[{0.37457}], [{0.592698}], [{0.170523}], [{-0.343472}], [{17.3843}]
 [[{0.436983}], [{-0.0421669}], [{-0.145241}], [{0.948011}], [{15.5339}]
 [[{0.133694}], [{0.466462}], [{0.106495}], [{0.175104}], [{12.6106}]
 [[{0.48581}], [{0.718145}], [{0.663432}], [{0.964398}], [{27.3015}]
 [[{0.610478}], [{1.11464}], [{0.96986}], [{0.771473}], [{44.3825}]
 [[{-0.00168746}], [{1.03993}], [{1.00685}], [{0.596789}], [{25.347}]
 [[{1.06486}], [{0.920408}], [{0.973735}], [{0.651016}], [{49.1463}]
 [[{0.487493}], [{0.770863}], [{0.455069}], [{1.0584}], [{24.5136}]
 [[{0.738039}], [{0.85409}], [{1.22402}], [{0.912948}], [{44.5735}]
 [[{1.05854}], [{0.848393}], [{1.06445}], [{1.07607}], [{53.7959}]
 [[{0.719774}], [{1.48576}], [{0.81319}], [{1.6512}], [{66.9284}]
 [[{1.52271}], [{1.1502}], [{1.1178}], [{0.946397}], [{83.4684}]
 [[{0.972079}], [{1.58258}], [{1.42801}], [{0.868945}], [{104.029}]
 [[{1.2658}], [{1.20068}], [{1.22854}], [{1.78752}], [{94.8119}]
 [[{1.97669}], [{2.29261}], [{1.89208}], [{1.26156}], [{304.735}]
 [[{2.13204}], [{1.32376}], [{2.22406}], [{1.42269}], [{192.828}]
 [[{2.12478}], [{1.65224}], [{1.65184}], [{1.37469}], [{198.003}]
 [[{1.70477}], [{2.23514}], [{1.86424}], [{1.73968}], [{284.552}]
 [[{1.86886}], [{1.95406}], [{2.07164}], [{2.08976}], [{289.8}]
 [[{3.28955}], [{2.0656}], [{1.73855}], [{1.78696}], [{380.255}]
 [[{1.80242}], [{2.21777}], [{1.69448}], [{2.46156}], [{299.343}]]]

```
[{2.50452}], [{2.22718}], [{2.30588}], [{2.13228}], [{431.298}]
[{1.92276}], [{2.64677}], [{1.81866}], [{2.40274}], [{407.192}]
[{2.27414}], [{2.43352}], [{2.54904}], [{2.68196}], [{522.278}]
[{2.89681}], [{2.38348}], [{2.28607}], [{2.62526}], [{546.165}]
[{2.28132}], [{3.09444}], [{2.53025}], [{2.76759}], [{717.263}]
[{2.53473}], [{2.86707}], [{2.98807}], [{2.98058}], [{787.876}]
[{3.32981}], [{2.91739}], [{3.56349}], [{3.23758}], [{1111.84}]
```

CH19B087

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0494749

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 4

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{{0.112071}},{0.107808}],[-0.00407261],{-0.0216865},{13.1669}]
[{{0.157978}},{0.710224},{0.207735},{0.0415438},{15.4722}]
[{{0.394817}},{0.59433}],{-0.232661},{-0.185045},{16.6775}]
[{{0.448502}},{-0.0891776},{0.505281},{0.333385},{18.3578}]
[{{0.331794}},{0.951231}],{0.321461},{-0.189688},{22.6949}]
[{{0.56352}},{0.224978}],{0.649378},{0.618506},{21.422}]
[{{0.540121}},{0.944568},{0.547867},{0.925873},{30.5009}]
[{{0.535999}},{0.471207},{0.988578},{0.544334},{24.0171}]
[{{0.819328}},{1.5443}],{0.867403},{0.59455},{69.1155}]
[{{0.281311}},{1.01279}],{1.29743},{0.817371},{36.168}]
[{{1.38131}},{0.877107}],{0.739554},{1.11329},{58.2343}]
[{{1.51661}},{1.01681}],{2.02544},{1.39545},{111.017}]
[{{1.43264}},{0.64677}],{0.910868},{1.51623},{58.031}]
[{{1.31552}},{1.38175}],{1.32726},{1.22738},{102.769}]
[{{1.86499}},{1.51504}],{1.21649},{1.06895},{134.448}]
[{{2.15242}},{1.70605}],{1.49934},{1.32634},{193.636}]
[{{1.73313}},{1.95693}],{1.79508},{1.16318},{215.883}]
[{{1.41986}},{1.73688}],{1.47323},{1.80011},{160.212}]
[{{2.18875}},{1.66418}],{2.12839},{1.26861},{224.081}]
[{{1.31261}},{1.77357}],{1.75699},{1.52213},{165.737}]
[{{1.63426}},{1.68164}],{1.57967},{2.08544},{182.33}]
[{{2.0621}},{2.35943}],{2.03752},{2.40612},{380.402}]
[{{2.25554}},{2.42635}],{2.25835},{2.21506},{436.523}]
[{{1.94675}},{2.20644}],{2.21005},{2.48345},{356.893}]
[{{2.45725}},{2.60911}],{2.18823},{1.85061},{484.391}]
[{{2.32999}},{2.27421}],{2.50613},{2.57145},{456.321}]
[{{2.61325}},{2.56349}],{2.65288},{3.15888},{628.532}]
[{{2.56992}},{2.47896}],{2.88551},{2.73662},{600.045}]
[{{2.92876}},{2.91292}],{2.66414},{2.91158},{782.518}]
[{{2.58385}},{2.75972}],{2.72842},{2.95631},{682.236}]
```

CS17B115

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0394172

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 5

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{{0.0113859}},{0.0639802}],{-0.0120564},{0.00764127},{11.6992}]
```

```

[{\{0.0396833\}}, {\{-0.370125\}}, {\{-0.110422\}}, {\{0.239268\}}, {\{12.0419\}}]
[{\{0.230953\}}, {\{0.309398\}}, {\{0.234373\}}, {\{0.334763\}}, {\{15.601\}}]
[{\{0.0949031\}}, {\{-0.0501641\}}, {\{0.182001\}}, {\{0.0498697\}}, {\{14.5279\}}]
[{\{0.755924\}}, {\{0.0211015\}}, {\{0.583642\}}, {\{-0.107099\}}, {\{21.1568\}}]
[{\{0.399148\}}, {\{0.421655\}}, {\{0.678189\}}, {\{0.612163\}}, {\{20.9932\}}]
[{\{0.865672\}}, {\{1.01212\}}, {\{0.308776\}}, {\{1.28235\}}, {\{39.8802\}}]
[{\{0.267473\}}, {\{0.624862\}}, {\{0.448327\}}, {\{0.402784\}}, {\{19.4759\}}]
[{\{0.550478\}}, {\{1.53396\}}, {\{1.35031\}}, {\{0.419394\}}, {\{64.4606\}}]
[{\{0.596963\}}, {\{1.27192\}}, {\{1.3869\}}, {\{1.48125\}}, {\{64.8857\}}]
[{\{1.2279\}}, {\{0.764844\}}, {\{1.0969\}}, {\{0.729627\}}, {\{48.8557\}}]
[{\{1.08138\}}, {\{1.18506\}}, {\{1.48736\}}, {\{1.52999\}}, {\{90.1795\}}]
[{\{1.085\}}, {\{1.11442\}}, {\{1.05757\}}, {\{1.64005\}}, {\{73.4908\}}]
[{\{0.65864\}}, {\{1.44444\}}, {\{1.48825\}}, {\{0.838313\}}, {\{73.0861\}}]
[{\{1.63615\}}, {\{1.21075\}}, {\{1.2996\}}, {\{1.24101\}}, {\{104.631\}}]
[{\{1.20711\}}, {\{1.73195\}}, {\{1.11422\}}, {\{1.40641\}}, {\{115.793\}}]
[{\{2.12512\}}, {\{1.58605\}}, {\{1.13195\}}, {\{1.67781\}}, {\{163.603\}}]
[{\{1.89835\}}, {\{1.57798\}}, {\{1.8148\}}, {\{2.10093\}}, {\{206.817\}}]
[{\{1.80801\}}, {\{1.97716\}}, {\{1.70311\}}, {\{1.84001\}}, {\{231.736\}}]
[{\{1.8962\}}, {\{1.80184\}}, {\{2.26144\}}, {\{1.40129\}}, {\{234.768\}}]
[{\{1.8926\}}, {\{1.98484\}}, {\{1.57182\}}, {\{2.18758\}}, {\{243.181\}}]
[{\{1.71493\}}, {\{2.46291\}}, {\{1.88002\}}, {\{1.83389\}}, {\{311.941\}}]
[{\{2.15833\}}, {\{2.00123\}}, {\{2.36022\}}, {\{2.00098\}}, {\{329.186\}}]
[{\{2.37973\}}, {\{2.83991\}}, {\{2.02474\}}, {\{1.70453\}}, {\{480.063\}}]
[{\{2.75669\}}, {\{2.64615\}}, {\{2.49829\}}, {\{2.52514\}}, {\{603.182\}}]
[{\{2.13984\}}, {\{2.46917\}}, {\{2.58412\}}, {\{2.02898\}}, {\{444.636\}}]
[{\{2.74327\}}, {\{2.57004\}}, {\{2.76609\}}, {\{2.51387\}}, {\{617.976\}}]
[{\{2.65121\}}, {\{3.33782\}}, {\{2.51709\}}, {\{3.28144\}}, {\{855.246\}}]
[{\{2.9529\}}, {\{3.0455\}}, {\{3.27407\}}, {\{2.4481\}}, {\{879.151\}}]
[{\{2.81558\}}, {\{2.81023\}}, {\{3.13812\}}, {\{2.30437\}}, {\{737.085\}}]

```

CS18B014

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0155163

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 5

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{0.505917\}}, {\{0.0734309\}}, {\{-0.654657\}}, {\{0.334309\}}, {\{15.464\}}]
[{\{0.021628\}}, {\{0.212086\}}, {\{0.218956\}}, {\{0.171755\}}, {\{10.285\}}]
[{\{0.317447\}}, {\{-0.0168718\}}, {\{-0.141837\}}, {\{0.411384\}}, {\{13.6927\}}]
[{\{0.463625\}}, {\{0.220133\}}, {\{0.45121\}}, {\{0.245779\}}, {\{15.6075\}}]
[{\{0.186356\}}, {\{0.277083\}}, {\{0.074388\}}, {\{0.552559\}}, {\{9.86452\}}]
[{\{0.336144\}}, {\{0.716083\}}, {\{0.885801\}}, {\{0.481376\}}, {\{19.2799\}}]
[{\{0.388172\}}, {\{0.677435\}}, {\{0.615123\}}, {\{0.465467\}}, {\{18.844\}}]
[{\{0.388068\}}, {\{0.769244\}}, {\{0.949702\}}, {\{0.448958\}}, {\{22.7635\}}]
[{\{0.441166\}}, {\{0.896739\}}, {\{0.70531\}}, {\{0.818137\}}, {\{24.2736\}}]
[{\{1.54585\}}, {\{1.43241\}}, {\{0.602481\}}, {\{1.67444\}}, {\{79.9225\}}]
[{\{1.03626\}}, {\{0.997322\}}, {\{1.28089\}}, {\{1.07179\}}, {\{56.1577\}}]
[{\{1.2624\}}, {\{1.01973\}}, {\{1.55685\}}, {\{0.731905\}}, {\{61.9202\}}]
[{\{1.46378\}}, {\{1.2058\}}, {\{0.9528\}}, {\{0.930187\}}, {\{69.0274\}}]
[{\{1.11783\}}, {\{1.01907\}}, {\{1.14529\}}, {\{0.534366\}}, {\{49.0383\}}]
[{\{1.62605\}}, {\{1.52858\}}, {\{1.25147\}}, {\{1.4232\}}, {\{117.373\}}]
[{\{2.00554\}}, {\{1.56885\}}, {\{2.03787\}}, {\{0.966599\}}, {\{161.996\}}]
[{\{1.78964\}}, {\{1.92223\}}, {\{1.18777\}}, {\{1.61767\}}, {\{163.234\}}]

```

[{1.75348}], [{2.143}], [{1.54937}], [{2.08653}], [{223.618}]
[{2.00765}], [{1.38271}], [{1.45662}], [{1.17811}], [{126.194}]
[{2.05418}], [{2.59322}], [{1.42561}], [{2.13732}], [{307.215}]
[{1.81923}], [{1.7868}], [{2.11717}], [{1.93569}], [{219.26}]
[{2.24186}], [{2.37507}], [{2.76602}], [{2.27649}], [{436.515}]
[{2.50342}], [{2.48897}], [{2.53587}], [{2.54963}], [{487.431}]
[{1.70045}], [{2.51329}], [{2.3778}], [{2.37015}], [{362.201}]
[{2.432}], [{1.66222}], [{2.26071}], [{1.99468}], [{265.094}]
[{2.16052}], [{2.88373}], [{2.30244}], [{2.99392}], [{525.189}]
[{2.65079}], [{2.60246}], [{2.93569}], [{2.77329}], [{604.207}]
[{3.04194}], [{2.46028}], [{2.67255}], [{2.20556}], [{539.241}]
[{2.87676}], [{2.89926}], [{2.43666}], [{2.81024}], [{646.735}]
[{2.64901}], [{3.21151}], [{2.33587}], [{3.01701}], [{696.774}]

CS19B038

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0442975

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 3

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
[{0.375545}], [{ -0.057489}], [{ 0.0996787}], [{ 0.05187}], [{ 12.619}]
[{ -0.0148756}], [{ 0.0439766}], [{ 0.092771}], [{ -0.529646}], [{ 10.0976}]
[{ 0.0994605}], [{ 0.927912}], [{ 0.210291}], [{ -0.220559}], [{ 14.0581}]
[{ 0.530692}], [{ -0.35544}], [{ 1.09062}], [{ 0.397013}], [{ 19.2285}]
[{ 0.108468}], [{ 0.0253625}], [{ 0.457864}], [{ 0.688581}], [{ 8.69073}]
[{ 0.776692}], [{ 0.56739}], [{ 0.214543}], [{ 0.734262}], [{ 20.8528}]
[{ 0.383689}], [{ 0.715556}], [{ 0.255646}], [{ 0.808646}], [{ 14.3834}]
[{ 0.903533}], [{ 0.658686}], [{ 0.519397}], [{ 0.842126}], [{ 29.0196}]
[{ 0.943965}], [{ 0.786333}], [{ 0.730454}], [{ 0.416154}], [{ 31.935}]
[{ 1.04907}], [{ 1.02061}], [{ 1.13811}], [{ 0.576815}], [{ 50.2181}]
[{ 0.397627}], [{ 1.39197}], [{ 0.595465}], [{ 0.67851}], [{ 33.5767}]
[{ 1.69372}], [{ 0.829806}], [{ 1.6579}], [{ 1.44676}], [{ 88.4706}]
[{ 0.834275}], [{ 1.3444}], [{ 1.28114}], [{ 1.40718}], [{ 71.3245}]
[{ 1.391116}], [{ 1.99412}], [{ 0.956643}], [{ 1.14473}], [{ 139.401}]
[{ 1.571}], [{ 1.06379}], [{ 0.319663}], [{ 1.12902}], [{ 53.8063}]
[{ 1.6481}], [{ 1.44027}], [{ 1.58148}], [{ 1.69127}], [{ 140.695}]
[{ 1.59153}], [{ 1.54552}], [{ 1.4937}], [{ 1.85399}], [{ 144.108}]
[{ 1.61827}], [{ 1.56945}], [{ 1.62348}], [{ 1.70341}], [{ 154.157}]
[{ 1.50241}], [{ 1.8884}], [{ 1.92951}], [{ 1.81803}], [{ 205.455}]
[{ 1.57299}], [{ 2.04501}], [{ 1.69314}], [{ 1.85046}], [{ 216.796}]
[{ 2.30915}], [{ 1.90717}], [{ 2.21768}], [{ 2.56007}], [{ 338.993}]
[{ 2.24668}], [{ 2.41948}], [{ 2.11669}], [{ 2.1857}], [{ 408.171}]
[{ 1.70666}], [{ 1.58983}], [{ 2.50157}], [{ 2.23626}], [{ 230.377}]
[{ 2.4966}], [{ 2.58101}], [{ 2.03575}], [{ 2.71796}], [{ 498.919}]
[{ 2.07265}], [{ 2.26617}], [{ 1.91904}], [{ 2.7325}], [{ 358.033}]
[{ 2.44143}], [{ 1.90891}], [{ 2.68163}], [{ 2.3194}], [{ 383.606}]
[{ 2.5053}], [{ 1.89987}], [{ 1.86375}], [{ 2.45283}], [{ 319.162}]
[{ 2.45338}], [{ 2.25621}], [{ 2.40394}], [{ 2.39178}], [{ 438.255}]
[{ 2.88234}], [{ 2.6068}], [{ 2.4838}], [{ 2.76831}], [{ 627.163}]
[{ 2.52915}], [{ 2.30524}], [{ 2.32356}], [{ 2.74689}], [{ 471.46}]

ED18B007

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0335643
Matrix Index 1 = 1, Matrix Index 2 = 4
Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.00685656}}, [{ {-0.200961}}], [{ {-0.318485}}], [{ {0.381645}}], [{ {10.5935}}]
[{{-0.0477421}}, [{ {-0.256084}}], [{ {0.459798}}], [{ {0.0409032}}], [{ {12.8253}}]
[{{-0.397465}}, [{ {0.0221749}}], [{ {0.528363}}], [{ {0.164566}}], [{ {8.32328}}]
[{{0.424509}}, [{ {0.0970132}}], [{ {0.715549}}], [{ {-0.0501815}}], [{ {14.6635}}]
[{{0.339766}}, [{ {0.407773}}], [{ {0.553014}}], [{ {-0.121581}}], [{ {13.5302}}]
[{{1.05231}}, [{ {0.750872}}], [{ {0.512499}}], [{ {-0.360262}}], [{ {27.815}}]
[{{0.682364}}, [{ {0.228746}}], [{ {0.158692}}], [{ {0.336791}}], [{ {19.2266}}]
[{{0.597246}}, [{ {0.101763}}], [{ {0.917946}}], [{ {0.467594}}], [{ {20.1585}}]
[{{0.711742}}, [{ {0.898394}}], [{ {0.925685}}], [{ {1.08281}}], [{ {38.3607}}]
[{{0.857119}}, [{ {1.1982}}], [{ {1.01656}}], [{ {1.19096}}], [{ {57.0914}}]
[{{0.778315}}, [{ {1.02589}}], [{ {0.866019}}], [{ {0.770298}}], [{ {40.5368}}]
[{{1.39562}}, [{ {0.945803}}], [{ {1.48495}}], [{ {0.808951}}], [{ {66.5112}}]
[{{1.94253}}, [{ {1.72259}}], [{ {1.22322}}], [{ {0.597349}}], [{ {136.77}}]
[{{1.14746}}, [{ {1.12839}}], [{ {1.83215}}], [{ {1.19428}}], [{ {85.2696}}]
[{{1.15472}}, [{ {1.37053}}], [{ {0.563002}}], [{ {1.28607}}], [{ {61.5875}}]
[{{1.44171}}, [{ {1.63347}}], [{ {1.17226}}], [{ {1.45736}}], [{ {118.196}}]
[{{1.86275}}, [{ {1.74753}}], [{ {1.18285}}], [{ {1.47529}}], [{ {156.731}}]
[{{2.27013}}, [{ {1.96313}}], [{ {1.78209}}], [{ {1.89151}}], [{ {270.777}}]
[{{1.19182}}, [{ {1.38717}}], [{ {1.79723}}], [{ {2.00075}}], [{ {124.343}}]
[{{2.05661}}, [{ {2.00551}}], [{ {1.99398}}], [{ {1.34299}}], [{ {250.771}}]
[{{2.22122}}, [{ {1.86062}}], [{ {2.42247}}], [{ {1.7498}}], [{ {290.764}}]
[{{2.37275}}, [{ {2.36821}}], [{ {1.55568}}], [{ {1.8939}}], [{ {329.965}}]
[{{2.21066}}, [{ {2.3462}}], [{ {1.91396}}], [{ {2.7379}}], [{ {380.919}}]
[{{2.1298}}, [{ {2.39502}}], [{ {2.50593}}], [{ {2.46326}}], [{ {434.078}}]
[{{2.18936}}, [{ {2.66183}}], [{ {2.602}}], [{ {2.65018}}], [{ {527.47}}]
[{{2.48846}}, [{ {2.57495}}], [{ {2.21884}}], [{ {2.57271}}], [{ {497.573}}]
[{{2.80236}}, [{ {2.32437}}], [{ {2.2863}}], [{ {1.8219}}], [{ {435.489}}]
[{{3.0721}}, [{ {3.04458}}], [{ {2.3942}}], [{ {2.806}}], [{ {766.791}}]
[{{2.45141}}, [{ {1.9763}}], [{ {2.11538}}], [{ {2.69703}}], [{ {357.521}}]
[{{2.73835}}, [{ {2.81622}}], [{ {3.02207}}], [{ {2.80201}}], [{ {737.941}}]
```

ED18B008

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0285532
Matrix Index 1 = 1, Matrix Index 2 = 3
Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.28667}}, [{ {-0.245611}}], [{ {0.135358}}], [{ {0.36945}}], [{ {15.4324}}]
[{{0.703904}}, [{ {-0.0270302}}], [{ {-0.19726}}], [{ {0.302627}}], [{ {18.6464}}]
[{{-0.265507}}, [{ {0.123039}}], [{ {0.0390717}}], [{ {0.332686}}], [{ {7.62416}}]
[{{0.168401}}, [{ {0.73269}}], [{ {0.0180106}}], [{ {0.800799}}], [{ {14.1216}}]
[{{0.684077}}, [{ {0.234799}}], [{ {0.163399}}], [{ {0.57206}}], [{ {20.6695}}]
[{{0.660236}}, [{ {1.17667}}], [{ {0.391884}}], [{ {0.468197}}], [{ {37.2539}}]
[{{0.257054}}, [{ {0.659901}}], [{ {0.650248}}], [{ {0.353285}}], [{ {18.2202}}]
[{{0.932768}}, [{ {1.12742}}], [{ {0.795961}}], [{ {0.683178}}], [{ {52.0738}}]
[{{0.756766}}, [{ {0.964055}}], [{ {0.6366}}], [{ {0.766064}}], [{ {38.7212}}]
[{{0.424021}}, [{ {0.860472}}], [{ {0.848543}}], [{ {0.796472}}], [{ {29.7406}}]
[{{0.838281}}, [{ {0.636808}}], [{ {1.38047}}], [{ {0.551902}}], [{ {35.6169}}]
```

[{1.18144}], [{1.58464}], [{1.03997}], [{0.290128}], [{93.9049}]
[{1.55314}], [{1.28922}], [{1.21613}], [{1.10413}], [{100.463}]
[{0.851303}], [{1.53203}], [{1.73232}], [{0.985002}], [{104.5}]
[{1.6853}], [{1.85621}], [{1.18458}], [{1.51577}], [{173.181}]
[{1.08504}], [{1.55514}], [{1.68101}], [{1.49222}], [{125.226}]
[{1.4634}], [{1.37042}], [{0.98189}], [{1.76264}], [{103.11}]
[{1.79406}], [{1.6761}], [{2.30602}], [{1.99487}], [{237.968}]
[{1.84163}], [{1.88534}], [{1.54697}], [{2.0557}], [{225.938}]
[{2.21821}], [{1.86774}], [{1.90206}], [{1.81447}], [{272.264}]
[{1.9071}], [{1.97926}], [{1.98559}], [{2.17756}], [{284.186}]
[{2.53066}], [{2.07319}], [{1.88859}], [{2.04076}], [{351.449}]
[{2.21122}], [{1.86922}], [{2.31941}], [{2.14178}], [{317.542}]
[{2.10073}], [{2.65246}], [{1.98032}], [{2.07524}], [{451.829}]
[{2.33767}], [{2.69689}], [{2.8307}], [{1.85197}], [{589.706}]
[{2.90713}], [{3.22166}], [{2.84462}], [{2.97635}], [{967.944}]
[{2.73842}], [{2.6918}], [{2.62453}], [{3.08878}], [{695.518}]
[{3.07398}], [{2.34167}], [{2.53987}], [{2.09295}], [{553.716}]
[{2.80502}], [{2.36828}], [{2.77951}], [{2.85216}], [{607.283}]
[{2.96663}], [{3.1135}], [{3.20585}], [{2.83001}], [{990.767}]

ED18B012

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.026476

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 4

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{0.361907}], [{-0.324815}], [{0.0869511}], [{0.572207}], [{17.4159}]
[{0.390822}], [{-0.31823}], [{0.384654}], [{0.0897166}], [{17.4074}]
[{0.449104}], [{0.457233}], [{0.736265}], [{-0.0327777}], [{19.0748}]
[{0.148167}], [{0.538473}], [{0.0881544}], [{0.0139089}], [{12.1993}]
[{0.474398}], [{0.0755431}], [{0.84578}], [{-0.15001}], [{16.5666}]
[{0.502289}], [{0.538805}], [{-0.0111173}], [{0.374967}], [{18.2415}]
[{0.293227}], [{0.808026}], [{0.0500059}], [{0.658596}], [{17.2686}]
[{1.17579}], [{0.380541}], [{0.257629}], [{1.01096}], [{27.7518}]
[{0.873685}], [{0.38607}], [{0.439772}], [{0.639313}], [{25.0532}]
[{1.47901}], [{1.08185}], [{1.34948}], [{0.856178}], [{71.7479}]
[{0.977422}], [{0.521753}], [{0.802896}], [{0.81509}], [{30.9793}]
[{1.09448}], [{1.19711}], [{0.993439}], [{0.440157}], [{54.9964}]
[{1.01324}], [{1.33687}], [{1.41845}], [{1.10796}], [{74.5665}]
[{1.19251}], [{1.30043}], [{1.26021}], [{1.16963}], [{74.5048}]
[{2.05468}], [{1.16906}], [{1.41705}], [{1.0389}], [{98.9997}]
[{1.19481}], [{0.913873}], [{1.08206}], [{1.14336}], [{53.8692}]
[{1.85139}], [{1.34036}], [{1.56903}], [{1.84025}], [{124.586}]
[{1.80794}], [{1.77103}], [{1.9553}], [{1.70694}], [{183.15}]
[{2.15525}], [{1.80445}], [{1.88577}], [{2.15732}], [{218.948}]
[{1.77182}], [{1.78713}], [{1.81916}], [{2.17378}], [{187.619}]
[{1.91032}], [{2.01981}], [{1.91747}], [{2.3438}], [{238.034}]
[{2.07898}], [{2.01556}], [{2.57614}], [{2.67274}], [{309.005}]
[{1.67346}], [{1.90564}], [{2.43738}], [{2.105}], [{228.306}]
[{2.43175}], [{1.61265}], [{2.25519}], [{2.27058}], [{238.771}]
[{2.55755}], [{2.74232}], [{2.35962}], [{2.14458}], [{475.275}]
[{3.0016}], [{1.64163}], [{2.4217}], [{2.29073}], [{295.207}]
[{2.56013}], [{2.6394}], [{2.7087}], [{2.8746}], [{520.723}]

[{2.41215}], [{2.46317}], [{2.54861}], [{2.73299}], [{435.311}]
[{2.52811}], [{2.90869}], [{3.0373}], [{2.56538}], [{613.422}]
[{2.99254}], [{2.99182}], [{2.60051}], [{2.67961}], [{657.477}]

ED18B022

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0441563

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 3

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.0431759}], [{0.608737}], [{-0.408496}], [{0.742941}], [{8.63032}]
[{0.128524}], [{-0.0687962}], [{0.349823}], [{-0.133157}], [{10.8804}]
[{0.238996}], [{0.329395}], [{0.0214002}], [{0.0341553}], [{11.5555}]
[{0.361643}], [{-0.233115}], [{0.226326}], [{0.220528}], [{12.6051}]
[{0.100277}], [{0.342215}], [{0.833749}], [{-0.566652}], [{11.0963}]
[{1.1818}], [{1.26367}], [{0.855345}], [{0.474784}], [{58.456}]
[{0.770731}], [{0.229012}], [{-0.0166579}], [{0.742612}], [{15.4814}]
[{0.740224}], [{0.639985}], [{0.237316}], [{1.25552}], [{22.7096}]
[{1.23655}], [{0.417077}], [{1.26754}], [{0.495758}], [{36.0322}]
[{0.353165}], [{0.804367}], [{1.32599}], [{0.736244}], [{24.6245}]
[{1.10294}], [{0.375998}], [{0.332681}], [{1.143}], [{26.5139}]
[{1.36072}], [{1.81929}], [{1.06242}], [{0.985422}], [{111.502}]
[{1.56442}], [{1.48182}], [{1.53922}], [{1.43722}], [{124.717}]
[{1.51655}], [{1.52625}], [{1.0133}], [{1.17256}], [{97.9746}]
[{1.88793}], [{1.18265}], [{1.38648}], [{1.81098}], [{122.094}]
[{1.70743}], [{1.77399}], [{1.53781}], [{1.27468}], [{155.652}]
[{1.76645}], [{1.77709}], [{1.45011}], [{1.81874}], [{168.905}]
[{1.91707}], [{1.76524}], [{1.72606}], [{1.21985}], [{174.978}]
[{1.50988}], [{1.77525}], [{0.701366}], [{1.8112}], [{111.152}]
[{1.76787}], [{1.41224}], [{1.58863}], [{1.53958}], [{133.559}]
[{1.95865}], [{1.78712}], [{1.91323}], [{1.67057}], [{207.903}]
[{1.70454}], [{1.89083}], [{2.15731}], [{2.41072}], [{244.578}]
[{1.96618}], [{2.03709}], [{2.87549}], [{2.05517}], [{329.406}]
[{2.95416}], [{2.10632}], [{2.64424}], [{2.26813}], [{453.927}]
[{2.2852}], [{2.09238}], [{2.24558}], [{2.3757}], [{343.395}]
[{2.36109}], [{2.52878}], [{2.1815}], [{2.41628}], [{429.281}]
[{2.97658}], [{2.75201}], [{2.71047}], [{2.81609}], [{672.336}]
[{2.59581}], [{2.71286}], [{3.25522}], [{2.44231}], [{636.329}]
[{2.08635}], [{3.14378}], [{2.88211}], [{2.86759}], [{648.712}]
[{2.87767}], [{2.30278}], [{2.73934}], [{3.09707}], [{567.798}]

ED18B024

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0181234

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 1

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.0632792}], [{-0.257437}], [{0.115999}], [{0.120486}], [{11.9168}]
[{0.498719}], [{0.306431}], [{-0.00626954}], [{-0.195193}], [{14.4662}]
[{0.398048}], [{0.505856}], [{0.160526}], [{0.603139}], [{13.4331}]
[{-0.213123}], [{0.95893}], [{0.611714}], [{0.5801}], [{9.77608}]
[{0.61751}], [{0.622565}], [{0.565825}], [{0.101173}], [{18.1796}]

[-0.154215], [1.27245], [0.54642], [0.447777], [12.7882]
 [0.145728], [0.581676], [0.937235], [0.916614], [13.6419]
 [0.561592], [1.10733], [1.40118], [0.546672], [41.7676]
 [0.41644], [0.490885], [0.361335], [0.660286], [15.956]
 [1.63548], [1.12768], [0.582865], [1.12587], [63.8998]
 [1.51501], [0.81251], [1.01276], [0.673479], [51.6518]
 [0.967833], [1.40773], [0.912561], [0.836036], [60.0273]
 [0.880136], [1.92079], [1.37927], [1.09861], [106.972]
 [1.05778], [1.02493], [1.88391], [1.56716], [78.6992]
 [1.43933], [1.22491], [1.01854], [0.814585], [71.8515]
 [0.843483], [1.83119], [1.29101], [1.34135], [100.516]
 [1.66351], [1.45557], [2.1914], [1.09179], [142.665]
 [2.34712], [1.57996], [1.67995], [1.99411], [209.911]
 [2.21447], [2.41376], [1.56072], [1.96026], [313.339]
 [1.6263], [1.25909], [1.93171], [1.62337], [130.173]
 [1.9882], [1.75648], [2.35823], [1.80155], [238.903]
 [2.06004], [2.06517], [1.74471], [1.6605], [246.489]
 [2.64503], [2.25193], [2.45406], [2.40109], [439.516]
 [2.31158], [2.13649], [2.74359], [2.71832], [422.858]
 [2.61509], [1.79714], [2.80387], [2.46569], [382.901]
 [2.02687], [2.82721], [2.30163], [2.66452], [482.264]
 [2.36692], [2.48251], [2.97288], [2.45459], [518.211]
 [2.47669], [2.23807], [2.98095], [2.99443], [516.616]
 [2.805], [2.12886], [3.00786], [3.09227], [552.145]
 [2.66582], [2.58091], [2.88293], [2.87821], [609.628]

ED18B025

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0437147

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 4

[%{ X1 }, { X2 }&,{ X3 },{ X4 }\$],[@{ Y }]
 [-0.632014], [-0.139703], [-0.617315], [-0.448822], [21.933]
 [0.308375], [0.2957], [0.672007], [0.423789], [15.0733]
 [-0.269482], [0.121047], [0.122089], [0.228117], [4.83655]
 [0.721886], [0.0985168], [0.513367], [0.493873], [20.5448]
 [0.326323], [0.0738649], [0.57114], [0.330752], [13.4993]
 [0.0610812], [0.181897], [0.533403], [0.882798], [10.4038]
 [0.668748], [0.286939], [1.1991], [0.325012], [21.575]
 [0.580669], [0.763219], [0.751447], [0.836438], [25.567]
 [0.907072], [0.250143], [0.751398], [0.923816], [26.0893]
 [1.2317], [0.297668], [0.904821], [0.500538], [31.1977]
 [0.377924], [0.718642], [0.953576], [0.973851], [25.2786]
 [0.661356], [1.00145], [0.968793], [1.04703], [39.2818]
 [1.25252], [1.28913], [1.33108], [1.25236], [85.8914]
 [0.872213], [1.8464], [0.906943], [1.68371], [92.1945]
 [1.22511], [1.65627], [1.53432], [0.995517], [117.298]
 [1.67571], [1.70169], [1.67176], [1.34065], [161.218]
 [1.43054], [1.6946], [1.62349], [2.07562], [156.819]
 [1.4776], [1.65938], [1.59496], [1.97452], [154.931]
 [2.04259], [2.08408], [1.69223], [1.84974], [256.916]
 [1.96373], [2.24038], [2.32586], [1.63376], [317.82]
 [2.5902], [2.30606], [1.90491], [2.05749], [377.239]

[{2.24064}], [{1.71278}], [{2.44127}], [{1.82545}], [{265.195}]
[{2.1146}], [{2.14028}], [{2.49487}], [{2.10028}], [{349.188}]
[{2.89332}], [{2.36805}], [{2.38099}], [{1.95063}], [{466.446}]
[{2.33638}], [{2.33284}], [{2.59418}], [{2.35518}], [{438.298}]
[{2.83914}], [{2.33242}], [{3.08353}], [{1.9309}], [{521.897}]
[{1.99438}], [{2.22343}], [{2.58604}], [{2.9483}], [{399.671}]
[{2.48927}], [{2.09212}], [{2.67367}], [{2.23198}], [{403.734}]
[{2.69518}], [{2.37618}], [{2.46215}], [{2.82454}], [{506.939}]
[{2.56182}], [{3.06268}], [{2.56346}], [{2.56057}], [{678.494}]

ED18B036

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.046138

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 3

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.556518}], [{0.19173}], [{0.0610895}], [{0.150302}], [{4.37361}]
[{0.514776}], [{ -0.0985304}], [{0.255206}], [{0.474038}], [{15.7365}]
[{0.0268918}], [{0.233301}], [{0.575681}], [{0.00719339}], [{11.5944}]
[{0.41511}], [{0.392063}], [{0.295296}], [{0.69498}], [{15.7611}]
[{0.60255}], [{0.332503}], [{0.346757}], [{0.532934}], [{16.694}]
[{0.459987}], [{0.760137}], [{0.479106}], [{0.86251}], [{21.7836}]
[{0.140745}], [{0.214417}], [{0.0319484}], [{0.833957}], [{11.8907}]
[{0.460453}], [{0.294495}], [{0.916879}], [{0.777951}], [{18.3276}]
[{0.452896}], [{0.357924}], [{0.41426}], [{0.69119}], [{17.9096}]
[{1.02107}], [{0.413318}], [{0.736373}], [{0.816194}], [{29.6184}]
[{0.995765}], [{0.941479}], [{0.863289}], [{0.939947}], [{44.3307}]
[{1.10372}], [{1.22071}], [{1.20462}], [{0.931931}], [{68.0262}]
[{1.70395}], [{1.68124}], [{1.17413}], [{1.18787}], [{134.785}]
[{1.32371}], [{0.885535}], [{1.18993}], [{1.10007}], [{61.4265}]
[{1.43701}], [{1.94375}], [{1.93767}], [{1.3651}], [{187.72}]
[{2.23531}], [{1.74211}], [{1.82245}], [{1.78114}], [{234.563}]
[{1.81703}], [{1.63473}], [{1.66808}], [{1.51011}], [{169.544}]
[{1.32039}], [{1.31455}], [{1.78816}], [{1.91091}], [{126.6}]
[{1.81082}], [{1.59123}], [{1.91827}], [{2.08451}], [{203.486}]
[{1.21102}], [{1.79049}], [{1.56154}], [{2.06015}], [{150.665}]
[{1.46581}], [{1.69093}], [{2.3533}], [{1.97692}], [{206.552}]
[{1.51378}], [{2.11779}], [{2.33278}], [{2.3567}], [{284.605}]
[{2.09759}], [{2.55733}], [{2.40067}], [{2.23556}], [{440.268}]
[{2.0473}], [{2.33669}], [{2.02947}], [{2.01381}], [{340.115}]
[{2.14269}], [{2.34572}], [{2.53964}], [{2.49118}], [{432.332}]
[{2.39435}], [{2.21238}], [{2.24091}], [{2.99621}], [{440.611}]
[{2.67255}], [{1.94322}], [{1.96872}], [{2.4429}], [{354.746}]
[{2.72506}], [{2.50219}], [{3.33681}], [{2.22714}], [{631.91}]
[{3.22586}], [{3.01311}], [{3.57916}], [{3.4183}], [{1092.84}]
[{3.543}], [{2.72539}], [{2.88292}], [{3.04092}], [{867.671}]]

ED18B037

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0432785

Matrix Index 1 = 1, Matrix Index 2 = 4

Parameter No. = 3

```

[%{ X1 }, [{ X2 } &], [{ X3 }], [{ X4 } $], [@{ Y }]
[{-0.400024}], [{0.303255}], [{0.0329899}], [{-0.182339}], [{4.47271}]
[{-0.206706}], [{0.214566}], [{-0.334878}], [{0.120578}], [{9.90764}]
[{-0.190129}], [{0.652545}], [{0.102768}], [{-0.102423}], [{10.9037}]
[{0.449631}], [{0.27352}], [{0.394114}], [{0.547169}], [{16.4143}]
[{0.873937}], [{0.466619}], [{0.407124}], [{0.298271}], [{21.6311}]
[{0.292636}], [{0.59515}], [{0.258091}], [{0.492897}], [{15.8263}]
[{0.65491}], [{0.462902}], [{-0.555387}], [{0.447522}], [{16.4057}]
[{0.642247}], [{0.975365}], [{0.553604}], [{0.845628}], [{31.7963}]
[{0.259294}], [{1.47606}], [{1.21104}], [{0.185269}], [{44.3596}]
[{1.32611}], [{0.622526}], [{1.30231}], [{1.59868}], [{59.6166}]
[{0.502216}], [{1.3402}], [{1.10254}], [{0.958731}], [{49.0582}]
[{1.3914}], [{1.10173}], [{1.26465}], [{0.798182}], [{68.2511}]
[{1.10713}], [{0.744868}], [{1.48596}], [{0.932611}], [{49.7191}]
[{1.09254}], [{1.42922}], [{1.37578}], [{1.46904}], [{89.2634}]
[{1.63512}], [{1.78018}], [{1.612}], [{1.39514}], [{161.696}]
[{1.51307}], [{1.34883}], [{1.84849}], [{1.58628}], [{127.253}]
[{1.28005}], [{1.30245}], [{1.39313}], [{1.50069}], [{92.8323}]
[{1.8706}], [{1.41571}], [{1.76779}], [{1.85638}], [{158.42}]
[{1.33108}], [{1.84252}], [{1.86093}], [{1.55409}], [{165.198}]
[{1.87852}], [{2.12205}], [{1.99108}], [{2.29464}], [{280.563}]
[{2.19386}], [{1.82872}], [{1.8511}], [{2.11515}], [{246.088}]
[{1.6557}], [{2.19676}], [{2.72273}], [{2.46985}], [{336.197}]
[{1.99865}], [{1.99401}], [{2.47304}], [{2.17193}], [{304.895}]
[{2.10106}], [{3.19878}], [{2.33011}], [{2.29145}], [{575.569}]
[{2.52683}], [{1.67771}], [{2.34547}], [{2.68912}], [{320.845}]
[{2.39352}], [{3.01075}], [{2.75379}], [{2.04478}], [{612.82}]
[{2.32832}], [{2.11352}], [{2.05324}], [{2.38557}], [{331.741}]
[{2.2463}], [{2.95735}], [{2.66028}], [{2.79839}], [{606.1}]
[{2.57311}], [{2.47141}], [{2.64513}], [{2.58886}], [{514.274}]
[{2.76483}], [{2.84125}], [{2.51417}], [{2.62716}], [{628.836}]

```

ED18B039

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0293336

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 5

```

[%{ X1 }, [{ X2 } &], [{ X3 }], [{ X4 } $], [@{ Y }]
[{-0.621873}], [{-0.273616}], [{0.0409572}], [{0.140641}], [{13.3337}]
[{-0.239402}], [{0.136158}], [{-0.0107699}], [{-0.394817}], [{3.73392}]
[{0.168576}], [{0.518745}], [{0.142916}], [{-0.298256}], [{10.9422}]
[{0.0604121}], [{-0.167169}], [{0.884889}], [{-0.112438}], [{8.61275}]
[{0.673294}], [{-0.183748}], [{0.83093}], [{0.545948}], [{19.0229}]
[{0.321657}], [{0.423196}], [{0.676481}], [{0.761384}], [{14.9875}]
[{0.830779}], [{0.991141}], [{0.799328}], [{0.498931}], [{35.3766}]
[{0.793029}], [{0.939776}], [{1.01276}], [{1.02174}], [{39.5224}]
[{0.647558}], [{1.16617}], [{0.594847}], [{1.09162}], [{34.6225}]
[{1.1943}], [{0.407013}], [{0.978252}], [{0.868316}], [{34.1944}]
[{1.0612}], [{0.935593}], [{0.908626}], [{0.595797}], [{42.3898}]
[{0.702084}], [{1.39566}], [{1.27547}], [{1.3813}], [{66.7014}]
[{1.09255}], [{0.670966}], [{1.1797}], [{1.30876}], [{46.3478}]
[{1.68625}], [{1.22658}], [{1.37364}], [{1.70642}], [{110.255}]
[{0.811467}], [{1.73587}], [{1.62903}], [{1.27325}], [{106.596}]

```

```

[{\{1.65951\}}, {\{1.85491\}}, {\{2.14151\}}, {\{1.29661\}}, {\{200.951\}}]
[{\{1.39797\}}, {\{1.92955\}}, {\{1.77907\}}, {\{1.64409\}}, {\{180.38\}}]
[{\{1.6634\}}, {\{1.44482\}}, {\{1.34258\}}, {\{1.88921\}}, {\{128.579\}}]
[{\{1.46817\}}, {\{2.13257\}}, {\{1.77465\}}, {\{2.24232\}}, {\{229.165\}}]
[{\{1.93589\}}, {\{1.71914\}}, {\{1.90364\}}, {\{2.22746\}}, {\{221.819\}}]
[{\{2.09334\}}, {\{2.20448\}}, {\{2.00745\}}, {\{1.88853\}}, {\{303.481\}}]
[{\{2.33998\}}, {\{2.12404\}}, {\{1.90113\}}, {\{2.15703\}}, {\{314.928\}}]
[{\{1.80586\}}, {\{2.97856\}}, {\{2.55639\}}, {\{2.02645\}}, {\{506.894\}}]
[{\{2.104\}}, {\{2.40307\}}, {\{2.65849\}}, {\{2.6072\}}, {\{450.643\}}]
[{\{2.63659\}}, {\{1.56716\}}, {\{2.21997\}}, {\{2.45443\}}, {\{296.567\}}]
[{\{2.21208\}}, {\{2.32869\}}, {\{2.74205\}}, {\{2.67063\}}, {\{460.499\}}]
[{\{2.65578\}}, {\{2.75017\}}, {\{3.18917\}}, {\{2.79513\}}, {\{712.478\}}]
[{\{2.86589\}}, {\{2.39411\}}, {\{2.54043\}}, {\{2.63089\}}, {\{530.906\}}]
[{\{2.28404\}}, {\{2.42568\}}, {\{2.51727\}}, {\{2.84021\}}, {\{474.345\}}]
[{\{2.89725\}}, {\{2.84496\}}, {\{3.58215\}}, {\{3.35103\}}, {\{908.64\}}]

```

ED18B047

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0440179

Matrix Index 1 = 3, Matrix Index 2 = 3

Parameter No. = 4

```

[%{ X1 },{{ X2 }&},{ X3 },{{ X4 }$},@{ Y }]
[{-0.0801599}], [{0.236239}], [{0.165054}], [{-0.0903214}], [{10.4135}]
[{\{1.0728\}}, {\{0.269954\}}, {\{-0.101361\}}, {\{0.150054\}}, {\{21.5929\}}]
[{\{0.513912\}}, {\{-0.133988\}}, {\{0.147046\}}, {\{0.0813921\}}, {\{17.6496\}}]
[{\{0.0789288\}}, {\{0.587821\}}, {\{0.461141\}}, {\{0.2912\}}, {\{13.6576\}}]
[{\{0.554934\}}, {\{0.740223\}}, {\{0.485438\}}, {\{0.0325042\}}, {\{22.9415\}}]
[{\{0.272817\}}, {\{0.256622\}}, {\{0.983923\}}, {\{0.808581\}}, {\{17.6126\}}]
[{\{0.845352\}}, {\{0.602029\}}, {\{0.354763\}}, {\{0.264774\}}, {\{24.3445\}}]
[{\{-0.131436\}}, {\{0.574133\}}, {\{0.683742\}}, {\{0.971212\}}, {\{10.7822\}}]
[{\{0.811817\}}, {\{0.519029\}}, {\{1.26977\}}, {\{0.919815\}}, {\{34.5476\}}]
[{\{1.19418\}}, {\{1.41729\}}, {\{0.911692\}}, {\{1.50392\}}, {\{79.0054\}}]
[{\{1.11061\}}, {\{0.961803\}}, {\{0.797599\}}, {\{1.28406\}}, {\{51.08\}}]
[{\{0.942724\}}, {\{1.07671\}}, {\{0.640918\}}, {\{1.01324\}}, {\{42.3928\}}]
[{\{1.36237\}}, {\{1.06011\}}, {\{1.48348\}}, {\{1.32269\}}, {\{80.867\}}]
[{\{1.35193\}}, {\{1.15238\}}, {\{1.16336\}}, {\{1.17267\}}, {\{74.5096\}}]
[{\{1.39319\}}, {\{1.33311\}}, {\{1.03832\}}, {\{1.55068\}}, {\{86.1916\}}]
[{\{1.32189\}}, {\{1.69716\}}, {\{1.79585\}}, {\{2.02465\}}, {\{156.198\}}]
[{\{2.03716\}}, {\{1.40339\}}, {\{1.34907\}}, {\{1.59577\}}, {\{136.329\}}]
[{\{2.12053\}}, {\{1.74493\}}, {\{1.38612\}}, {\{1.76865\}}, {\{181.942\}}]
[{\{1.82714\}}, {\{1.84798\}}, {\{1.63185\}}, {\{2.10079\}}, {\{201.616\}}]
[{\{1.93857\}}, {\{2.17084\}}, {\{1.95419\}}, {\{2.02842\}}, {\{280.15\}}]
[{\{2.34997\}}, {\{1.72494\}}, {\{2.22525\}}, {\{1.86418\}}, {\{259.785\}}]
[{\{2.77528\}}, {\{2.40984\}}, {\{1.89715\}}, {\{1.70639\}}, {\{380.103\}}]
[{\{2.02498\}}, {\{1.5854\}}, {\{2.15945\}}, {\{1.85875\}}, {\{211.684\}}]
[{\{2.34418\}}, {\{2.4631\}}, {\{2.30055\}}, {\{2.40687\}}, {\{429.283\}}]
[{\{2.01561\}}, {\{2.39145\}}, {\{1.9682\}}, {\{2.05751\}}, {\{328.574\}}]
[{\{2.11963\}}, {\{1.92455\}}, {\{3.03385\}}, {\{2.15901\}}, {\{352.01\}}]
[{\{2.95049\}}, {\{2.82551\}}, {\{2.44395\}}, {\{2.43474\}}, {\{618.558\}}]
[{\{2.74889\}}, {\{2.43938\}}, {\{2.07338\}}, {\{2.69636\}}, {\{458.433\}}]
[{\{2.68529\}}, {\{3.19235\}}, {\{2.25106\}}, {\{3.18819\}}, {\{702.131\}}]
[{\{2.86835\}}, {\{3.00824\}}, {\{2.68429\}}, {\{2.59267\}}, {\{711.818\}}]

```

ED18B052

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0495184

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.239541}], [{-0.536288}], [{0.237245}], [{0.102183}], [{6.81525}]
[0.296674], [{0.260752}], [{-0.0568995}], [{0.126976}], [{9.6344}]
[0.352082], [{0.576315}], [{-0.27633}], [{0.350223}], [{12.808}]
[0.937064], [{-0.04432}], [{-0.216107}], [{0.357564}], [{16.3376}]
[-0.321957], [{0.506293}], [{-0.404726}], [{0.260357}], [{3.13703}]
[1.08259], [{0.990244}], [{0.208027}], [{0.529428}], [{31.6456}]
[1.00431], [{0.730149}], [{0.519129}], [{1.02484}], [{30.0292}]
[0.413333], [{0.109205}], [{0.251096}], [{0.511706}], [{13.3211}]
[0.907355], [{0.933349}], [{0.891935}], [{1.3398}], [{40.0895}]
[1.16399], [{1.17466}], [{0.94241}], [{0.985522}], [{56.8828}]
[1.10964], [{0.445553}], [{1.57658}], [{0.376551}], [{27.6083}]
[0.780768], [{1.44702}], [{0.752811}], [{1.33387}], [{56.4816}]
[1.29169], [{0.969153}], [{1.53518}], [{1.25969}], [{65.803}]
[1.17962], [{1.77814}], [{1.49067}], [{1.07433}], [{123.257}]
[1.75251], [{1.94913}], [{1.07284}], [{1.79308}], [{165.778}]
[1.84787], [{1.96399}], [{0.500256}], [{1.59088}], [{135.296}]
[1.62695], [{1.88435}], [{0.970385}], [{1.79387}], [{144.761}]
[1.95162], [{1.95606}], [{1.93643}], [{2.20409}], [{253.462}]
[2.23512], [{1.34609}], [{2.11399}], [{2.04007}], [{188.913}]
[1.47494], [{1.47611}], [{2.09566}], [{1.77671}], [{148.136}]
[2.06632], [{1.70146}], [{1.94032}], [{2.10836}], [{219.254}]
[2.05218], [{2.13623}], [{2.06399}], [{1.8771}], [{292.154}]
[1.94753], [{1.93969}], [{2.20335}], [{2.7353}], [{286.805}]
[2.06846], [{2.10713}], [{2.14157}], [{2.38375}], [{310.542}]
[2.64997], [{2.65367}], [{2.43208}], [{2.67407}], [{552.898}]
[2.35807], [{2.25614}], [{2.52931}], [{2.17347}], [{400.04}]
[3.10921], [{2.83701}], [{2.01877}], [{2.15732}], [{589.407}]
[2.33379], [{2.3757}], [{1.77466}], [{2.62094}], [{364.147}]
[2.62168], [{2.5501}], [{2.76192}], [{2.89547}], [{572.318}]
[2.90346], [{2.73418}], [{2.73669}], [{2.86861}], [{667.392}]
```

EE18B112

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0382508

Matrix Index 1 = 4, Matrix Index 2 = 5

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[0.0881862], [{-0.267909}], [{-0.733787}], [{0.547828}], [{8.95889}]
[-0.307887], [{0.0814464}], [{-0.535948}], [{0.0995022}], [{6.37572}]
[0.378965], [{-0.198336}], [{-0.147291}], [{0.639731}], [{12.9834}]
[0.45734], [{0.426782}], [{0.351039}], [{-0.241641}], [{14.0917}]
[0.490481], [{0.102321}], [{0.353498}], [{0.0965189}], [{15.9343}]
[0.532524], [{0.212976}], [{-0.141443}], [{0.808214}], [{13.5244}]
[0.984304], [{0.861977}], [{0.547996}], [{0.967517}], [{38.3173}]
[0.892219], [{-0.161173}], [{0.701274}], [{0.308125}], [{22.7504}]
[0.642346], [{0.608176}], [{0.63806}], [{0.362293}], [{23.1086}]
```

[{1.62579}], [{1.46268}], [{0.608126}], [{0.886867}], [{87.2359}]
[0.84916], [{1.26843}], [{1.04706}], [{0.891693}], [{56.8876}]
[{1.37102}], [{0.989278}], [{0.853337}], [{1.14912}], [{61.657}]
[{0.811317}], [{1.17392}], [{1.18439}], [{2.03527}], [{65.5736}]
[{1.08794}], [{1.5283}], [{1.4372}], [{1.35714}], [{103.177}]
[{1.43523}], [{0.950706}], [{1.13322}], [{1.36952}], [{74.194}]
[{1.42829}], [{1.10695}], [{1.89928}], [{1.43778}], [{110.625}]
[{1.68712}], [{1.75316}], [{1.40583}], [{1.48375}], [{164.623}]
[{1.8448}], [{1.68381}], [{1.53134}], [{1.9158}], [{188.674}]
[{2.02007}], [{1.63018}], [{1.78469}], [{2.14975}], [{221.57}]
[{1.69929}], [{2.53613}], [{2.38603}], [{2.02591}], [{371.533}]
[{1.85027}], [{1.94698}], [{2.60365}], [{2.34779}], [{322.833}]
[{2.5939}], [{2.39518}], [{2.06614}], [{2.36759}], [{451.259}]
[{2.41102}], [{2.67296}], [{2.34514}], [{2.23087}], [{513.716}]
[{2.35802}], [{2.18761}], [{1.88325}], [{2.29527}], [{354.502}]
[{2.34555}], [{2.55618}], [{2.44367}], [{2.09974}], [{478.191}]
[{2.34756}], [{2.4724}], [{1.9708}], [{2.83654}], [{448.465}]
[{2.7921}], [{2.6797}], [{2.15697}], [{2.44112}], [{565.087}]
[{2.52803}], [{3.19913}], [{2.64533}], [{2.78579}], [{767.439}]
[{2.66708}], [{2.15652}], [{2.7549}], [{2.85026}], [{527.963}]
[{3.01968}], [{2.56616}], [{2.65409}], [{2.54598}], [{649.571}]

EE18B130

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0297662

Matrix Index 1 = 4, Matrix Index 2 = 3

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@[Y]]
[{0.492259}], [{-0.186386}], [{1.01077}], [{0.00945589}], [{15.7417}]
[{-0.100369}], [{-0.0856686}], [{-0.287329}], [{0.973971}], [{8.33114}]
[{0.497329}], [{0.0169185}], [{0.104607}], [{0.171236}], [{15.155}]
[{0.339338}], [{0.0415686}], [{-0.238851}], [{0.945481}], [{12.7666}]
[{0.510463}], [{0.021532}], [{0.923785}], [{1.10459}], [{19.982}]
[{0.560663}], [{1.04214}], [{0.147325}], [{0.294374}], [{23.0121}]
[{0.19636}], [{0.506266}], [{1.28371}], [{0.714153}], [{17.4867}]
[{0.87718}], [{0.323767}], [{0.48533}], [{0.406733}], [{22.1235}]
[{0.957662}], [{0.519927}], [{0.884964}], [{0.731747}], [{29.9003}]
[{1.45861}], [{1.59787}], [{1.04857}], [{0.872364}], [{102.805}]
[{1.07031}], [{0.615779}], [{0.734731}], [{0.994365}], [{35.6054}]
[{0.861392}], [{1.24324}], [{1.04846}], [{0.609762}], [{53.0275}]
[{1.49157}], [{1.15644}], [{1.02754}], [{0.752403}], [{67.2039}]
[{1.34074}], [{1.93808}], [{0.708349}], [{1.4141}], [{112.594}]
[{1.81906}], [{1.56924}], [{1.01987}], [{0.818314}], [{112.761}]
[{2.01844}], [{1.58206}], [{1.58424}], [{1.41058}], [{168.971}]
[{1.47762}], [{1.2882}], [{1.32255}], [{1.42471}], [{99.3413}]
[{2.02074}], [{1.53874}], [{1.17391}], [{2.14735}], [{158.53}]
[{1.84642}], [{1.80992}], [{1.49331}], [{1.40198}], [{177.892}]
[{1.98221}], [{1.92577}], [{1.42048}], [{1.86688}], [{212.45}]
[{2.29843}], [{2.25004}], [{1.93701}], [{2.10897}], [{344.681}]
[{1.93134}], [{1.88225}], [{2.66738}], [{2.25868}], [{314.537}]
[{2.30175}], [{2.43132}], [{1.92409}], [{1.95655}], [{373.4}]
[{2.38094}], [{2.31734}], [{2.65658}], [{1.21385}], [{382.833}]
[{2.08287}], [{2.21907}], [{2.49081}], [{2.35551}], [{384.358}]

```
[{2.44351}], [{2.3739}], [{2.99342}], [{2.7877}], [{559.085}]
[{2.82479}], [{2.20519}], [{2.5374}], [{2.80322}], [{513.15}]
[{2.44111}], [{2.42887}], [{2.846}], [{2.85926}], [{557.843}]
[{2.45713}], [{2.98951}], [{2.85717}], [{2.18828}], [{671.298}]
[{2.56724}], [{2.66271}], [{2.76104}], [{2.70974}], [{618.5}]
```

EE18B142

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0346232

Matrix Index 1 = 3, Matrix Index 2 = 3

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[0.0910011], [-0.0365162], [-0.640597], [-0.590731], [10.6437]
[-0.234603], {0.0963077}, {0.11678}, {0.101766}, {8.23923}
[-0.0468563], {0.589946}, {0.416269}, {0.0745631}, {10.0762}
[-0.0316864], {0.137185}, {0.0726983}, {0.621475}, {5.40249}
{0.31661}, {0.822684}, {0.337639}, {0.561058}, {17.5147}
{0.31407}, {0.463125}, {0.554653}, {0.506387}, {15.5924}
{0.45651}, {0.536065}, {0.82887}, {1.12588}, {20.019}
{1.11175}, {0.0554887}, {0.782158}, {0.057675}, {20.3875}
{0.993454}, {0.375167}, {0.75124}, {1.90156}, {38.3823}
{0.488816}, {0.981386}, {0.934946}, {0.840152}, {32.1747}
{0.759755}, {1.10026}, {0.707047}, {1.45955}, {44.4739}
{1.31133}, {0.882353}, {1.19418}, {0.830751}, {58.2862}
{0.965924}, {1.48255}, {0.670769}, {1.07744}, {63.6106}
{2.02732}, {1.13187}, {0.513393}, {1.47886}, {78.6969}
{1.02163}, {1.40193}, {1.61257}, {1.37985}, {100.388}
{1.31456}, {1.74768}, {2.26857}, {1.04276}, {175.252}
{0.861819}, {1.35}, {1.10407}, {1.79521}, {74.6127}
{1.68043}, {1.56437}, {2.08813}, {1.03247}, {167.005}
{1.34651}, {1.75579}, {1.40519}, {1.61537}, {149.538}
{2.20986}, {2.05882}, {1.61939}, {1.90475}, {282.836}
{1.78791}, {2.30475}, {2.20928}, {2.5182}, {371.577}
{2.16044}, {2.3534}, {1.742}, {1.91341}, {345.063}
{2.44579}, {2.08446}, {2.63279}, {2.67027}, {470.494}
{1.78807}, {2.8562}, {1.90519}, {2.23594}, {441.395}
{2.36291}, {1.96196}, {2.09095}, {2.69387}, {370.796}
{2.92574}, {2.49778}, {2.62688}, {2.39781}, {622.348}
{2.67354}, {3.09907}, {2.82819}, {2.73935}, {845.553}
{2.99832}, {3.28821}, {2.78689}, {3.57175}, {1060.4}
{2.92654}, {2.43305}, {2.39164}, {2.86591}, {610.204}
{2.9457}, {2.91454}, {3.05658}, {2.55034}, {854.632}
```

EE18B147

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0361013

Matrix Index 1 = 1, Matrix Index 2 = 4

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[-0.0171374], {0.0065196}, {0.209239}, {0.0193438}, {7.51781}
{0.217146}, {-0.444373}, {-0.408842}, {0.255279}, {8.17863}
{0.0541276}, {0.266078}, {0.643586}, {-0.111119}, {7.98611}
```

```

[{\{0.0873397\}}, {\{0.353253\}}, {\{0.511745\}}, {\{0.0954452\}}, {\{7.83963\}}]
[{\{0.311221\}}, {\{0.408981\}}, {\{-0.0476503\}}, {\{0.470984\}}, {\{11.4584\}}]
[{\{0.597465\}}, {\{-0.12801\}}, {\{0.0187184\}}, {\{0.738869\}}, {\{12.1731\}}]
[{\{0.372903\}}, {\{0.370776\}}, {\{-0.0162287\}}, {\{0.28326\}}, {\{12.8839\}}]
[{\{0.796267\}}, {\{1.24338\}}, {\{0.360977\}}, {\{0.539115\}}, {\{35.7568\}}]
[{\{1.28291\}}, {\{0.664754\}}, {\{1.1641\}}, {\{0.86173\}}, {\{47.9714\}}]
[{\{1.01341\}}, {\{0.759195\}}, {\{1.00707\}}, {\{0.97816\}}, {\{43.3294\}}]
[{\{1.24477\}}, {\{0.890229\}}, {\{0.312976\}}, {\{1.03576\}}, {\{36.3052\}}]
[{\{1.09476\}}, {\{0.660351\}}, {\{0.63206\}}, {\{1.29777\}}, {\{37.7965\}}]
[{\{1.66886\}}, {\{0.809465\}}, {\{1.27216\}}, {\{1.78694\}}, {\{88.3816\}}]
[{\{0.628786\}}, {\{1.37955\}}, {\{1.62748\}}, {\{1.53823\}}, {\{84.3148\}}]
[{\{0.889868\}}, {\{1.07289\}}, {\{1.99012\}}, {\{1.38806\}}, {\{83.7439\}}]
[{\{1.9815\}}, {\{1.43983\}}, {\{1.27419\}}, {\{1.60872\}}, {\{145.378\}}]
[{\{2.05158\}}, {\{1.73434\}}, {\{1.54489\}}, {\{2.25749\}}, {\{224.587\}}]
[{\{2.26976\}}, {\{1.26268\}}, {\{1.79466\}}, {\{1.82383\}}, {\{183.524\}}]
[{\{1.64636\}}, {\{1.95074\}}, {\{1.58759\}}, {\{2.17812\}}, {\{224.777\}}]
[{\{1.47631\}}, {\{1.88424\}}, {\{1.96886\}}, {\{1.73349\}}, {\{219.379\}}]
[{\{1.67174\}}, {\{1.696\}}, {\{1.98525\}}, {\{1.88014\}}, {\{214.527\}}]
[{\{2.05639\}}, {\{2.78022\}}, {\{2.62036\}}, {\{2.08446\}}, {\{570.436\}}]
[{\{2.33683\}}, {\{2.84689\}}, {\{2.1991\}}, {\{2.1643\}}, {\{565.424\}}]
[{\{2.46164\}}, {\{2.13294\}}, {\{2.44033\}}, {\{2.32087\}}, {\{437.335\}}]
[{\{2.09873\}}, {\{2.74399\}}, {\{2.4332\}}, {\{2.47547\}}, {\{558.864\}}]
[{\{2.53498\}}, {\{2.6313\}}, {\{2.81552\}}, {\{2.65109\}}, {\{663.992\}}]
[{\{2.85639\}}, {\{2.90062\}}, {\{2.63507\}}, {\{2.47509\}}, {\{759.585\}}]
[{\{2.54453\}}, {\{2.62622\}}, {\{2.79542\}}, {\{2.67915\}}, {\{663.89\}}]
[{\{2.41818\}}, {\{2.67411\}}, {\{3.0098\}}, {\{2.70355\}}, {\{695.108\}}]
[{\{2.99037\}}, {\{2.68121\}}, {\{2.87568\}}, {\{3.24329\}}, {\{819.094\}}]

```

EE18B148

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.014019

Matrix Index 1 = 2, Matrix Index 2 = 4

Parameter No. = 2

```

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{\{0.133198\}}, {\{-0.155785\}}, {\{-0.284932\}}, {\{-0.162889\}}, {\{10.3961\}}]
[{\{0.265749\}}, {\{-0.21572\}}, {\{-0.362985\}}, {\{-0.252719\}}, {\{12.3868\}}]
[{\{0.335492\}}, {\{0.334574\}}, {\{0.1665\}}, {\{-0.36922\}}, {\{14.1834\}}]
[{\{0.397356\}}, {\{0.564465\}}, {\{0.266349\}}, {\{0.160856\}}, {\{17.7592\}}]
[{\{0.0803389\}}, {\{0.912068\}}, {\{0.238211\}}, {\{0.390222\}}, {\{13.8176\}}]
[{\{0.692419\}}, {\{0.213372\}}, {\{0.569292\}}, {\{0.730332\}}, {\{21.0546\}}]
[{\{0.743951\}}, {\{0.706083\}}, {\{0.691108\}}, {\{0.232755\}}, {\{24.2395\}}]
[{\{0.611871\}}, {\{0.679312\}}, {\{0.652803\}}, {\{0.886484\}}, {\{25.047\}}]
[{\{1.12527\}}, {\{0.761291\}}, {\{0.760189\}}, {\{0.993363\}}, {\{39.2567\}}]
[{\{0.799098\}}, {\{1.03567\}}, {\{0.792948\}}, {\{0.445844\}}, {\{35.8855\}}]
[{\{1.17187\}}, {\{1.1426\}}, {\{0.688006\}}, {\{1.18148\}}, {\{53.1594\}}]
[{\{1.25337\}}, {\{1.07487\}}, {\{0.660206\}}, {\{1.33302\}}, {\{54.3039\}}]
[{\{0.931254\}}, {\{1.77232\}}, {\{1.71685\}}, {\{1.59764\}}, {\{125.295\}}]
[{\{1.5715\}}, {\{1.31439\}}, {\{1.31766\}}, {\{1.44723\}}, {\{103.27\}}]
[{\{1.45101\}}, {\{1.45459\}}, {\{1.52195\}}, {\{1.42263\}}, {\{117.012\}}]
[{\{1.64407\}}, {\{1.62994\}}, {\{1.68267\}}, {\{1.33564\}}, {\{149.524\}}]
[{\{1.51785\}}, {\{1.17772\}}, {\{1.07021\}}, {\{1.6013\}}, {\{84.5213\}}]
[{\{1.43685\}}, {\{1.83824\}}, {\{1.59591\}}, {\{1.8682\}}, {\{167.092\}}]
[{\{1.61956\}}, {\{1.37176\}}, {\{1.1812\}}, {\{2.26535\}}, {\{121.856\}}]

```

```
[{1.57969}], [{2.31971}], [{1.95613}], [{2.01012}], [{272.263}]
[{1.73842}], [{2.07728}], [{1.30958}], [{1.9494}], [{198.912}]
[{2.42867}], [{2.31422}], [{2.42766}], [{2.33071}], [{426.234}]
[{2.10882}], [{2.15838}], [{2.58754}], [{1.85209}], [{344.549}]
[{2.30811}], [{2.09688}], [{2.57082}], [{2.3351}], [{381.155}]
[{2.12557}], [{2.48155}], [{2.60839}], [{2.76849}], [{470.597}]
[{2.44022}], [{3.33644}], [{2.26964}], [{2.74692}], [{697.938}]
[{2.03903}], [{2.72295}], [{2.63774}], [{2.68904}], [{513.823}]
[{2.815}], [{2.83862}], [{2.70396}], [{2.3446}], [{650.155}]
[{2.82089}], [{2.27771}], [{2.47797}], [{3.14674}], [{527.051}]
[{2.96397}], [{2.73736}], [{2.958}], [{2.64966}], [{705.332}]
```

EE19B002

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0245645

Matrix Index 1 = 5, Matrix Index 2 = 5

Parameter No. = 4

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.0155333}], [{0.0167087}], [{0.430904}], [{-0.163039}], [{10.4679}]
[{-0.235285}], [{-0.344583}], [{0.456013}], [{0.0959944}], [{10.4321}]
[{0.270672}], [{1.01716}], [{0.525722}], [{-0.515818}], [{20.0619}]
[{-0.190246}], [{-0.230678}], [{-0.342289}], [{0.339224}], [{7.42799}]
[{0.325956}], [{0.349648}], [{0.939793}], [{0.833343}], [{19.135}]
[{0.535027}], [{0.983834}], [{0.387416}], [{0.164804}], [{24.8661}]
[{0.545751}], [{0.841743}], [{0.50804}], [{0.261083}], [{25.0469}]
[{1.12686}], [{0.72022}], [{0.512059}], [{0.544274}], [{35.5825}]
[{1.0119}], [{0.418411}], [{1.00367}], [{0.827122}], [{36.1762}]
[{1.01702}], [{1.40184}], [{1.09987}], [{1.05064}], [{77.7966}]
[{1.30873}], [{1.10302}], [{1.55572}], [{0.960495}], [{83.4461}]
[{1.16297}], [{0.876736}], [{1.49923}], [{1.24547}], [{68.3336}]
[{1.17308}], [{1.30512}], [{0.738872}], [{0.852242}], [{64.4314}]
[{0.801855}], [{1.56643}], [{1.56357}], [{1.6862}], [{104.874}]
[{0.923297}], [{1.682}], [{1.55556}], [{1.27289}], [{114.947}]
[{1.64179}], [{0.941007}], [{1.49818}], [{1.52448}], [{98.306}]
[{1.63611}], [{1.53103}], [{2.02694}], [{1.60142}], [{176.191}]
[{1.98359}], [{1.66793}], [{1.81414}], [{2.1413}], [{222.775}]
[{1.77491}], [{1.79445}], [{2.38134}], [{2.72858}], [{293.525}]
[{1.88725}], [{2.00214}], [{1.25135}], [{1.41297}], [{196.619}]
[{2.01367}], [{2.36121}], [{2.07205}], [{1.96951}], [{356.036}]
[{2.20374}], [{2.29789}], [{2.60166}], [{2.19403}], [{433.483}]
[{2.44569}], [{2.03411}], [{2.50336}], [{1.79258}], [{368.626}]
[{2.14573}], [{2.27317}], [{2.41512}], [{2.22796}], [{405.431}]
[{2.6527}], [{2.72454}], [{2.06572}], [{2.18968}], [{528.293}]
[{2.51916}], [{2.57447}], [{2.75467}], [{2.43062}], [{580.94}]
[{2.6723}], [{2.28511}], [{2.70016}], [{2.98369}], [{562.369}]
[{2.1064}], [{3.05493}], [{2.76614}], [{2.64013}], [{675.08}]
[{3.08367}], [{2.48924}], [{2.78462}], [{2.74511}], [{673.438}]
[{3.16446}], [{2.84721}], [{2.41362}], [{2.45259}], [{706.269}]]
```

EE19B012

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0376752

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.0975502}], [{-0.140222}], [{0.292837}], [{-0.0101432}], [{8.84227}]
[0.0401529], [{0.183733}], [{-0.10613}], [{-0.00767693}], [{8.17763}]
[0.0738133], [{0.774092}], [{-0.171741}], [{0.0537442}], [{9.68714}]
[0.0799821], [{0.374956}], [{-0.206513}], [{-0.392857}], [{10.0672}]
[{-0.275538}], [{-0.0560909}], [{0.477408}], [{0.784269}], [{2.94981}]
[{0.371941}], [{0.947425}], [{1.28353}], [{0.0325014}], [{26.5351}]
[{0.659881}], [{0.147261}], [{0.475408}], [{1.04197}], [{18.587}]
[{0.246292}], [{0.707436}], [{0.620188}], [{0.707497}], [{16.2291}]
[{0.913415}], [{0.995922}], [{1.14888}], [{0.917266}], [{50.3685}]
[{1.17985}], [{1.24857}], [{1.17387}], [{0.433462}], [{65.9157}]
[{0.925002}], [{1.22389}], [{0.694939}], [{0.574488}], [{47.2696}]
[{1.06508}], [{0.783703}], [{0.923692}], [{1.29237}], [{44.8045}]
[{1.7921}], [{0.912599}], [{1.31383}], [{1.23266}], [{85.4098}]
[{1.74179}], [{1.40529}], [{1.21202}], [{1.20419}], [{115.366}]
[{1.67382}], [{1.45064}], [{1.63431}], [{1.08705}], [{131.402}]
[{1.04779}], [{1.40145}], [{1.75858}], [{1.5209}], [{105.808}]
[{1.67678}], [{1.90217}], [{1.46285}], [{1.43297}], [{183.712}]
[{1.74095}], [{1.95607}], [{1.6582}], [{1.535}], [{210.156}]
[{2.0043}], [{1.25485}], [{1.68187}], [{1.10258}], [{131.116}]
[{1.90979}], [{1.59585}], [{2.64807}], [{2.34733}], [{278.757}]
[{2.36006}], [{2.2358}], [{2.436}], [{2.24493}], [{423.87}]
[{2.0707}], [{2.22196}], [{2.40429}], [{2.03992}], [{370.105}]
[{2.49135}], [{1.72568}], [{2.20775}], [{1.94447}], [{297.59}]
[{2.40537}], [{2.77649}], [{2.47397}], [{1.63976}], [{532.729}]
[{2.67747}], [{2.63147}], [{2.43779}], [{2.49329}], [{587.893}]
[{2.73929}], [{2.53661}], [{2.92674}], [{2.27882}], [{617.685}]
[{2.61432}], [{2.61983}], [{2.46188}], [{2.87116}], [{603.595}]
[{2.7003}], [{2.62164}], [{2.25943}], [{2.08778}], [{533.169}]
[{2.24527}], [{2.76057}], [{2.61101}], [{2.08908}], [{549.921}]
[{2.99724}], [{2.85551}], [{2.63362}], [{2.98255}], [{779.522}]
```

EE19B020

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0485132

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{0.0119007}], [{0.0769395}], [{0.197306}], [{0.372527}], [{10.5646}]
[{0.367584}], [{-0.180472}], [{0.252298}], [{0.239161}], [{14.5688}]
[{0.463812}], [{-0.0982385}], [{0.459457}], [{0.278074}], [{16.4843}]
[{0.193524}], [{0.502214}], [{0.396414}], [{0.00118572}], [{12.1463}]
[{0.715015}], [{0.63779}], [{0.271014}], [{0.517212}], [{22.9006}]
[{0.293113}], [{0.603744}], [{0.889595}], [{0.114472}], [{19.9462}]
[{0.26365}], [{0.521063}], [{0.82084}], [{1.0317}], [{18.7987}]
[{0.345162}], [{0.972191}], [{0.313559}], [{1.18466}], [{23.646}]
[{0.490826}], [{0.654418}], [{0.908706}], [{0.775443}], [{27.8664}]
[{1.06462}], [{0.614176}], [{0.330844}], [{0.967934}], [{30.4122}]
[{0.964931}], [{0.563981}], [{0.785697}], [{1.57287}], [{38.167}]
[{0.994381}], [{0.903154}], [{1.13035}], [{1.11127}], [{51.5504}]
[{0.95546}], [{0.756187}], [{1.43729}], [{1.12711}], [{52.0513}]]
```

[{1.41452}], [{0.933795}], [{1.74711}], [{1.53068}], [{94.0078}]
[{1.97794}], [{1.23863}], [{1.24271}], [{1.13136}], [{108.158}]
[{1.63535}], [{1.23935}], [{1.70971}], [{1.46721}], [{123.945}]
[{0.855281}], [{1.41062}], [{1.65633}], [{1.44711}], [{98.0646}]
[{1.81322}], [{1.6465}], [{2.01652}], [{1.86157}], [{211.364}]
[{1.97606}], [{1.5575}], [{1.7184}], [{1.76294}], [{186.601}]
[{1.36607}], [{2.0927}], [{2.53619}], [{1.84505}], [{284.163}]
[{1.87344}], [{1.98153}], [{1.61784}], [{1.98287}], [{237.281}]
[{2.18361}], [{2.57897}], [{2.51992}], [{2.15018}], [{495.52}]
[{2.14917}], [{1.87802}], [{2.58228}], [{2.19409}], [{340.212}]
[{1.86718}], [{2.14991}], [{2.21727}], [{2.62909}], [{348.727}]
[{2.57994}], [{2.70593}], [{2.44928}], [{1.70396}], [{544.382}]
[{1.90107}], [{2.39501}], [{2.16705}], [{2.6462}], [{397.597}]
[{1.99264}], [{2.86442}], [{2.85063}], [{2.8848}], [{640.612}]
[{2.16862}], [{2.16598}], [{3.04397}], [{3.45039}], [{537.103}]
[{2.73955}], [{2.62484}], [{2.96101}], [{2.69429}], [{692.609}]
[{2.34635}], [{2.80445}], [{2.49549}], [{2.76777}], [{618.314}]

EE19B023

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0264151

Matrix Index 1 = 1, Matrix Index 2 = 5

Parameter No. = 2

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{0.207813}], [{-0.00488917}], [{0.19891}], [{-0.161714}], [{13.9775}]
[{0.155715}], [{0.146434}], [{0.173508}], [{0.129571}], [{13.2455}]
[{0.580314}], [{-0.304645}], [{0.483954}], [{0.893578}], [{20.9187}]
[{0.0604755}], [{-0.101808}], [{0.0301399}], [{-0.197742}], [{13.4214}]
[{0.554503}], [{0.360026}], [{0.196196}], [{0.817948}], [{18.589}]
[{0.00285378}], [{0.912624}], [{0.957615}], [{0.556202}], [{19.4439}]
[{0.625867}], [{0.574597}], [{0.376939}], [{0.90227}], [{22.9863}]
[{0.681764}], [{0.518544}], [{0.503303}], [{0.633691}], [{23.0587}]
[{0.808511}], [{0.408694}], [{0.580318}], [{0.353457}], [{25.4186}]
[{1.16754}], [{0.4542}], [{1.08131}], [{1.35414}], [{43.8806}]
[{0.0581438}], [{1.27844}], [{0.729302}], [{1.47064}], [{27.6824}]
[{1.75444}], [{0.606308}], [{1.35601}], [{1.55962}], [{77.3841}]
[{1.0775}], [{0.97055}], [{1.62297}], [{0.983107}], [{64.3938}]
[{1.41269}], [{1.04706}], [{1.61385}], [{1.25664}], [{88.8738}]
[{0.841154}], [{1.40071}], [{1.60132}], [{1.51952}], [{93.4698}]
[{1.57626}], [{2.0427}], [{0.923985}], [{1.25776}], [{163.213}]
[{2.00881}], [{1.72994}], [{1.90481}], [{1.80555}], [{226.484}]
[{1.55129}], [{1.79723}], [{1.66825}], [{1.03567}], [{168.223}]
[{1.26696}], [{1.96855}], [{1.85297}], [{1.36792}], [{187.896}]
[{1.79666}], [{1.63576}], [{1.65408}], [{1.99585}], [{188.82}]
[{1.82427}], [{1.52036}], [{1.53971}], [{2.01921}], [{169.33}]
[{1.8263}], [{2.11378}], [{2.20901}], [{2.13581}], [{313.464}]
[{2.04421}], [{2.36345}], [{1.84712}], [{2.20609}], [{352.603}]
[{2.09042}], [{2.09974}], [{1.65033}], [{1.96748}], [{282.009}]
[{2.08188}], [{2.60559}], [{2.81958}], [{2.72174}], [{553.334}]
[{2.39119}], [{2.071}], [{2.84263}], [{2.92295}], [{470.241}]
[{2.64103}], [{2.69949}], [{2.24804}], [{2.43803}], [{575.704}]
[{2.85851}], [{2.81778}], [{2.21849}], [{2.82773}], [{661.575}]
[{2.17382}], [{3.06626}], [{2.84605}], [{2.89469}], [{728.914}]]

[{2.80649}], [{2.64415}], [{3.12746}], [{2.54382}], [{711.98}]

EE19B031

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0124235

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.248108}], [{0.0959788}], [{0.289919}], [{-0.16801}], [{10.789}]
[{-0.253377}], [{-0.0752596}], [{0.242379}], [{0.159409}], [{6.32079}]
[{0.0778542}], [{0.225035}], [{0.0673263}], [{0.318657}], [{9.23352}]
[{0.45175}], [{0.740073}], [{0.197643}], [{0.922011}], [{17.2432}]
[{0.494883}], [{0.472626}], [{0.698923}], [{0.459257}], [{18.8503}]
[{-0.0670738}], [{0.85273}], [{0.538622}], [{0.738838}], [{13.0238}]
[{0.71213}], [{0.625904}], [{0.369778}], [{0.25925}], [{23.2792}]
[{0.622491}], [{1.18512}], [{0.0491164}], [{0.861616}], [{23.4447}]
[{0.599386}], [{0.744685}], [{0.916382}], [{0.422223}], [{25.6965}]
[{1.39212}], [{0.583995}], [{0.845736}], [{1.19817}], [{48.444}]
[{0.868965}], [{0.620312}], [{0.455176}], [{1.17726}], [{29.7838}]
[{1.47133}], [{1.1359}], [{1.26043}], [{0.640867}], [{72.2568}]
[{1.02554}], [{1.25553}], [{1.2503}], [{1.17698}], [{71.5566}]
[{1.08446}], [{0.908282}], [{0.87397}], [{1.44474}], [{52.4652}]
[{1.27283}], [{0.836285}], [{1.60128}], [{1.22275}], [{73.3035}]
[{1.53758}], [{1.06442}], [{1.06072}], [{1.45238}], [{80.6828}]
[{1.11122}], [{1.74917}], [{1.67691}], [{1.64881}], [{137.784}]
[{2.21072}], [{2.65372}], [{1.46927}], [{1.90689}], [{330.943}]
[{1.53701}], [{1.96366}], [{1.86711}], [{1.95107}], [{213.406}]
[{1.74034}], [{1.73004}], [{1.82894}], [{1.77178}], [{192.658}]
[{1.89769}], [{1.77004}], [{1.96925}], [{2.36852}], [{244.378}]
[{1.78934}], [{2.08142}], [{1.58655}], [{2.1278}], [{232.22}]
[{2.24557}], [{1.86056}], [{1.87277}], [{1.91839}], [{256.881}]
[{2.28741}], [{2.33982}], [{2.32391}], [{2.11174}], [{396.624}]
[{2.16896}], [{1.97002}], [{2.39578}], [{1.69362}], [{299.244}]
[{2.05901}], [{2.71579}], [{2.96969}], [{2.52557}], [{559.105}]
[{2.90066}], [{2.73496}], [{2.57446}], [{2.12798}], [{593.797}]
[{1.97369}], [{2.33825}], [{2.72978}], [{2.8274}], [{449.854}]
[{2.42897}], [{2.95095}], [{2.65811}], [{2.7231}], [{645.649}]
[{2.9439}], [{3.01467}], [{2.66051}], [{3.13826}], [{786.444}]

EE19B051

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.013683

Matrix Index 1 = 3, Matrix Index 2 = 4

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.143709}], [{-0.185752}], [{-0.212498}], [{0.115045}], [{12.2879}]
[{-0.0951593}], [{0.477233}], [{0.683769}], [{-0.629865}], [{13.1807}]
[{0.0681652}], [{0.301192}], [{0.145731}], [{0.71366}], [{12.3238}]
[{0.401234}], [{0.303325}], [{0.503997}], [{0.200337}], [{17.0348}]
[{0.600213}], [{0.363165}], [{0.758292}], [{0.655209}], [{21.2673}]
[{0.651501}], [{0.822231}], [{0.580478}], [{0.466788}], [{30.5847}]
[{0.653803}], [{0.209053}], [{1.24953}], [{0.246973}], [{20.3176}]

[{0.973984}], [{0.742388}], [{0.941589}], [{1.45012}], [{46.9897}]
[{0.517966}], [{0.221341}], [{0.921514}], [{1.24383}], [{23.5095}]
[{0.94617}], [{1.20839}], [{1.26249}], [{1.15382}], [{71.8737}]
[{1.14669}], [{1.03269}], [{0.880234}], [{1.10989}], [{56.7843}]
[{1.22625}], [{1.0786}], [{0.819751}], [{0.709589}], [{56.5546}]
[{1.38886}], [{1.3195}], [{0.577815}], [{1.2569}], [{71.9217}]
[{0.976284}], [{1.0342}], [{1.56906}], [{1.39854}], [{74.0764}]
[{1.35861}], [{1.42315}], [{1.37413}], [{1.45137}], [{110.897}]
[{1.59243}], [{1.34476}], [{1.84981}], [{1.46729}], [{139.533}]
[{1.70526}], [{1.74704}], [{1.38405}], [{0.937867}], [{150.894}]
[{1.98079}], [{1.73777}], [{1.94193}], [{1.84847}], [{231.017}]
[{2.14138}], [{1.73477}], [{1.98159}], [{2.24558}], [{265.074}]
[{2.05142}], [{1.4977}], [{2.02161}], [{1.64141}], [{200.294}]
[{1.65209}], [{1.8927}], [{2.34049}], [{1.88395}], [{259.067}]
[{2.25506}], [{1.75221}], [{2.26751}], [{1.79022}], [{279.413}]
[{2.04648}], [{2.06967}], [{2.09026}], [{2.33256}], [{326.917}]
[{1.88906}], [{2.30437}], [{2.59797}], [{1.72071}], [{375.066}]
[{1.93936}], [{1.92858}], [{2.31817}], [{2.57883}], [{322.726}]
[{2.52703}], [{2.3795}], [{2.0119}], [{2.65792}], [{450.957}]
[{3.16137}], [{2.48319}], [{2.87237}], [{2.23258}], [{652.764}]
[{3.2095}], [{2.44382}], [{2.85047}], [{3.11625}], [{734.647}]
[{2.35037}], [{2.85462}], [{3.39799}], [{2.97501}], [{792.001}]
[{2.80904}], [{3.41598}], [{2.72943}], [{3.08666}], [{977.03}]]

EE19B054

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0246143

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 3

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@ { Y }]
[{0.255899}], [{0.151196}], [{0.0980794}], [{ -1.0085}], [{8.61945}]
[{0.380416}], [{ -0.266944}], [{0.238676}], [{0.122268}], [{9.16129}]
[{0.112837}], [{0.0674615}], [{0.518609}], [{0.148109}], [{8.75715}]
[{0.161769}], [{0.0844246}], [{0.502579}], [{0.188693}], [{9.29202}]
[{0.518533}], [{0.506851}], [{0.254161}], [{0.180618}], [{13.8467}]
[{0.371354}], [{0.39976}], [{0.709962}], [{0.90173}], [{13.2217}]
[{0.314789}], [{0.651195}], [{0.568171}], [{0.591997}], [{15.4879}]
[{0.736718}], [{1.31765}], [{0.414426}], [{0.699716}], [{32.279}]
[{1.41991}], [{1.01108}], [{0.858934}], [{0.580967}], [{44.4029}]
[{0.708163}], [{0.723456}], [{0.807461}], [{0.614692}], [{23.5021}]
[{0.876214}], [{0.58074}], [{0.996268}], [{0.883864}], [{27.1486}]
[{1.03578}], [{0.633193}], [{1.50365}], [{1.50611}], [{46.8967}]
[{0.905633}], [{1.04761}], [{0.814976}], [{0.800226}], [{36.4212}]
[{0.930532}], [{1.76029}], [{0.722071}], [{1.34632}], [{70.0149}]
[{1.1092}], [{1.39943}], [{1.23959}], [{1.77523}], [{81.0233}]
[{0.667957}], [{1.50985}], [{0.91236}], [{1.27148}], [{52.5375}]
[{1.2944}], [{1.82797}], [{1.10554}], [{1.45423}], [{108.876}]
[{1.61622}], [{2.04548}], [{2.23422}], [{1.9891}], [{237.25}]
[{1.49734}], [{1.20745}], [{1.68919}], [{2.15257}], [{113.428}]
[{2.3256}], [{2.06863}], [{1.15408}], [{2.12772}], [{210.614}]
[{2.35632}], [{2.07859}], [{1.75793}], [{1.84275}], [{257.117}]
[{1.72678}], [{2.31144}], [{2.09873}], [{1.7234}], [{267.622}]
[{1.82597}], [{2.08684}], [{2.34953}], [{2.14}], [{276.103}]]

```
[{1.95888}], [{2.21344}], [{2.30686}], [{2.54818}], [{325.843}]
[{2.599}], [{2.94997}], [{2.02851}], [{2.64771}], [{522.63}]
[{2.617}], [{3.06323}], [{2.50121}], [{2.60484}], [{626.556}]
[{2.39497}], [{3.09024}], [{2.93167}], [{2.70615}], [{678.317}]
[{2.95906}], [{2.68603}], [{2.83503}], [{2.62613}], [{621.389}]
[{2.61642}], [{2.29663}], [{3.17449}], [{3.06615}], [{554.198}]
[{3.00621}], [{2.89075}], [{3.21003}], [{3.008}], [{785.416}]
```

EE19B056

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0136099

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 2

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{{0.448715}}, {{-0.328477}}, {{0.13062}}, {{-0.142989}}, {{15.7654}}]
[{{-0.0442289}}, {{0.148966}}, {{-0.0352596}}, {{0.304315}}, {{10.4408}}]
[{{-0.239686}}, {{-0.398668}}, {{-0.0350897}}, {{0.706585}}, {{8.90262}}]
[{{-0.124441}}, {{0.138176}}, {{0.244428}}, {{0.0432145}}, {{11.0142}}]
[{{0.431912}}, {{0.350363}}, {{0.711501}}, {{0.994466}}, {{19.2581}}]
[{{0.234837}}, {{0.164516}}, {{0.625588}}, {{0.66965}}, {{15.334}}]
[{{-0.057101}}, {{0.439896}}, {{0.652027}}, {{0.683891}}, {{9.54561}}]
[{{0.729972}}, {{1.05231}}, {{1.00851}}, {{0.255403}}, {{38.3377}}]
[{{0.101965}}, {{1.29996}}, {{0.862399}}, {{0.54349}}, {{28.0307}}]
[{{0.54624}}, {{1.3344}}, {{1.45529}}, {{0.738294}}, {{60.9139}}]
[{{1.21807}}, {{0.935631}}, {{0.646187}}, {{1.18037}}, {{49.6535}}]
[{{0.889908}}, {{1.20369}}, {{1.1429}}, {{1.58513}}, {{64.9826}}]
[{{1.24344}}, {{0.87537}}, {{1.09102}}, {{1.23882}}, {{58.4359}}]
[{{1.27414}}, {{1.70748}}, {{1.41121}}, {{1.03196}}, {{121.358}}]
[{{1.43265}}, {{0.936947}}, {{1.85115}}, {{0.908179}}, {{79.5761}}]
[{{1.39274}}, {{1.96001}}, {{1.91866}}, {{1.87611}}, {{206.808}}]
[{{1.57706}}, {{0.762566}}, {{1.53724}}, {{1.10788}}, {{73.3117}}]
[{{2.02591}}, {{0.980816}}, {{1.6011}}, {{1.91819}}, {{130.838}}]
[{{1.89709}}, {{1.68866}}, {{1.2386}}, {{1.74101}}, {{159.43}}]
[{{1.94301}}, {{1.99087}}, {{2.0082}}, {{1.71554}}, {{257.105}}]
[{{1.40932}}, {{2.42091}}, {{1.38312}}, {{1.37103}}, {{215.007}}]
[{{2.32814}}, {{1.81132}}, {{2.44322}}, {{1.91589}}, {{304.91}}]
[{{2.16581}}, {{2.1986}}, {{2.54867}}, {{1.72393}}, {{360.79}}]
[{{2.51551}}, {{2.67364}}, {{2.30516}}, {{2.27811}}, {{519.754}}]
[{{2.39084}}, {{2.10292}}, {{2.24631}}, {{2.14874}}, {{361.765}}]
[{{2.31068}}, {{2.73027}}, {{2.19531}}, {{2.34509}}, {{495.115}}]
[{{2.63876}}, {{2.17437}}, {{2.85201}}, {{2.16988}}, {{470.066}}]
[{{3.12227}}, {{2.29828}}, {{2.33244}}, {{2.35488}}, {{507.792}}]
[{{2.93148}}, {{3.15996}}, {{1.99027}}, {{3.21377}}, {{725.491}}]
[{{2.89773}}, {{3.22427}}, {{2.88968}}, {{3.05429}}, {{911.61}}]
```

EE19B067

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0200023

Matrix Index 1 = 4, Matrix Index 2 = 5

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{{-0.451202}}, {{0.162828}}, {{0.46754}}, {{0.0170249}}, {{9.37479}}]
```

```

[{\{0.331089\}}, {\{-0.41055\}}, {\{0.15062\}}, {\{0.180602\}}, {\{15.2811\}}
[{\{-0.0483095\}}, {\{0.390646\}}, {\{0.28193\}}, {\{0.0574874\}}, {\{12.2283\}}]
[{\{0.664685\}}, {\{0.793601\}}, {\{0.120472\}}, {\{0.18864\}}, {\{23.0561\}}]
[{\{0.800582\}}, {\{0.726493\}}, {\{0.219098\}}, {\{0.389893\}}, {\{25.7334\}}]
[{\{0.761358\}}, {\{0.413839\}}, {\{0.404965\}}, {\{0.153603\}}, {\{22.4287\}}]
[{\{0.975209\}}, {\{0.588501\}}, {\{0.204391\}}, {\{0.200369\}}, {\{24.8958\}}]
[{\{0.866436\}}, {\{0.414218\}}, {\{0.745047\}}, {\{0.64271\}}, {\{27.2035\}}]
[{\{0.473266\}}, {\{1.41586\}}, {\{1.01591\}}, {\{0.154961\}}, {\{49.1397\}}]
[{\{0.674392\}}, {\{0.507217\}}, {\{0.693007\}}, {\{1.07245\}}, {\{26.8946\}}]
[{\{1.39278\}}, {\{0.838753\}}, {\{0.996359\}}, {\{1.23646\}}, {\{64.1105\}}]
[{\{1.32374\}}, {\{1.53426\}}, {\{1.65959\}}, {\{0.651593\}}, {\{117.884\}}]
[{\{1.26784\}}, {\{0.973043\}}, {\{1.10914\}}, {\{1.41811\}}, {\{71.5002\}}]
[{\{1.19784\}}, {\{1.09549\}}, {\{1.28007\}}, {\{0.756273\}}, {\{68.6155\}}]
[{\{1.25336\}}, {\{0.795629\}}, {\{1.70985\}}, {\{1.26064\}}, {\{75.9259\}}]
[{\{1.14638\}}, {\{1.52948\}}, {\{1.83369\}}, {\{1.26739\}}, {\{129.959\}}]
[{\{2.12333\}}, {\{1.73577\}}, {\{1.51083\}}, {\{1.9441\}}, {\{227.915\}}]
[{\{1.63294\}}, {\{1.90468\}}, {\{1.63419\}}, {\{2.17492\}}, {\{229.927\}}]
[{\{1.59127\}}, {\{1.794\}}, {\{1.8604\}}, {\{1.59788\}}, {\{206.656\}}]
[{\{2.02558\}}, {\{0.917051\}}, {\{1.87472\}}, {\{1.86189\}}, {\{152.41\}}]
[{\{1.83336\}}, {\{1.65615\}}, {\{2.01574\}}, {\{1.98528\}}, {\{235.441\}}]
[{\{2.35754\}}, {\{2.13225\}}, {\{2.28787\}}, {\{1.74251\}}, {\{382.861\}}]
[{\{2.30454\}}, {\{2.27393\}}, {\{2.35101\}}, {\{2.10079\}}, {\{438.728\}}]
[{\{2.44753\}}, {\{2.21247\}}, {\{2.56433\}}, {\{2.46936\}}, {\{494.13\}}]
[{\{2.74671\}}, {\{2.44219\}}, {\{2.78478\}}, {\{2.0381\}}, {\{592.445\}}]
[{\{2.15476\}}, {\{2.51279\}}, {\{2.51152\}}, {\{2.38208\}}, {\{513.805\}}]
[{\{2.77783\}}, {\{2.6538\}}, {\{1.99146\}}, {\{3.13522\}}, {\{623.139\}}]
[{\{2.51081\}}, {\{2.19341\}}, {\{2.24418\}}, {\{2.86868\}}, {\{483.621\}}]
[{\{2.34953\}}, {\{3.00289\}}, {\{2.97387\}}, {\{2.94185\}}, {\{815.164\}}]
[{\{2.98186\}}, {\{2.76043\}}, {\{2.85416\}}, {\{2.60791\}}, {\{801.106\}}]

```

EE19B074

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0244136

Matrix Index 1 = 4, Matrix Index 2 = 5

Parameter No. = 4

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{0.414438\}}, {\{-0.0904063\}}, {\{-0.447069\}}, {\{0.0773942\}}, {\{12.8382\}}]
[{\{-0.10256\}}, {\{-0.645382\}}, {\{-0.0782\}}, {\{-0.0704165\}}, {\{6.60329\}}]
[{\{-0.135503\}}, {\{0.322219\}}, {\{0.246728\}}, {\{0.201195\}}, {\{6.72425\}}]
[{\{-0.151634\}}, {\{0.167048\}}, {\{0.125781\}}, {\{0.214811\}}, {\{9.3696\}}]
[{\{0.654338\}}, {\{0.689092\}}, {\{0.2458\}}, {\{0.717273\}}, {\{21.6777\}}]
[{\{0.397855\}}, {\{0.290046\}}, {\{0.444438\}}, {\{0.498592\}}, {\{14.946\}}]
[{\{0.691385\}}, {\{0.858041\}}, {\{0.56832\}}, {\{0.931369\}}, {\{30.5241\}}]
[{\{0.428637\}}, {\{0.730367\}}, {\{1.32976\}}, {\{0.874159\}}, {\{29.1584\}}]
[{\{0.701777\}}, {\{0.381053\}}, {\{0.191483\}}, {\{0.865942\}}, {\{18.5162\}}]
[{\{0.90888\}}, {\{0.877659\}}, {\{0.149066\}}, {\{1.09318\}}, {\{29.5413\}}]
[{\{0.552643\}}, {\{1.8189\}}, {\{1.4746\}}, {\{0.940348\}}, {\{95.1354\}}]
[{\{1.08546\}}, {\{0.984638\}}, {\{1.32735\}}, {\{0.800297\}}, {\{57.7221\}}]
[{\{1.23818\}}, {\{1.02758\}}, {\{1.52803\}}, {\{0.823822\}}, {\{69.5287\}}]
[{\{1.08851\}}, {\{0.768993\}}, {\{0.948929\}}, {\{1.77218\}}, {\{53.7295\}}]
[{\{1.5029\}}, {\{1.93655\}}, {\{1.09201\}}, {\{1.01537\}}, {\{146.561\}}]
[{\{1.28817\}}, {\{1.69062\}}, {\{1.47628\}}, {\{1.40962\}}, {\{134.354\}}]
[{\{1.73041\}}, {\{1.64563\}}, {\{2.2608\}}, {\{1.33241\}}, {\{193.39\}}]

```

[{2.11927}], [{1.57387}], [{1.99612}], [{1.80547}], [{217.159}]
[2.3847], [{2.12301}], [{1.43575}], [{2.07256}], [{289.769}]
[{2.19775}], [{1.67158}], [{2.369}], [{1.45452}], [{242.68}]
[{1.40458}], [{2.06454}], [{2.34023}], [{1.99609}], [{258.539}]
[{2.60181}], [{2.08298}], [{2.12215}], [{1.86183}], [{357.261}]
[{2.3678}], [{2.40127}], [{2.4018}], [{2.42189}], [{463.18}]
[{2.19266}], [{2.60213}], [{1.90119}], [{2.46291}], [{431.602}]
[{2.9744}], [{2.29751}], [{2.05288}], [{2.50075}], [{475.781}]
[{2.84599}], [{3.14801}], [{2.89836}], [{2.10787}], [{818.68}]
[{2.62818}], [{2.15312}], [{2.91108}], [{2.80296}], [{523.856}]
[{2.74897}], [{3.744}], [{2.54732}], [{2.20518}], [{984.8}]
[{2.63542}], [{2.77621}], [{2.38966}], [{3.05079}], [{639.228}]
[{2.83005}], [{2.53231}], [{3.35549}], [{3.38599}], [{774.973}]

EE19B078

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0280068

Matrix Index 1 = 4, Matrix Index 2 = 5

Parameter No. = 4

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
[{0.0197442}], [{-0.181946}], [{-0.385607}], [{0.244004}], [{13.8228}]
[{0.489472}], [{-0.0725106}], [{0.535729}], [{-0.237402}], [{14.4468}]
[{0.0667057}], [{0.308125}], [{0.0846577}], [{0.140673}], [{11.918}]
[{0.382864}], [{0.323916}], [{0.545379}], [{0.286803}], [{17.4987}]
[{0.472514}], [{0.446269}], [{0.758866}], [{0.64356}], [{18.4986}]
[{0.520367}], [{0.432531}], [{0.704156}], [{1.13199}], [{22.8384}]
[{0.347412}], [{1.22254}], [{-0.0302197}], [{0.659089}], [{20.2546}]
[{0.38548}], [{0.509824}], [{0.706421}], [{0.845685}], [{19.0274}]
[{1.19211}], [{-0.0359487}], [{0.901796}], [{0.318396}], [{24.7046}]
[{0.885579}], [{0.528195}], [{1.37388}], [{1.32898}], [{42.7872}]
[{1.118}], [{1.29506}], [{1.00477}], [{0.793675}], [{66.5849}]
[{0.954882}], [{0.872315}], [{0.904581}], [{1.13899}], [{45.7491}]
[{0.949512}], [{1.50693}], [{1.36996}], [{1.41871}], [{94.7843}]
[{1.31869}], [{0.887684}], [{1.24847}], [{1.86522}], [{76.4618}]
[{1.35907}], [{1.38868}], [{1.66964}], [{2.16971}], [{138.064}]
[{0.881577}], [{1.85835}], [{1.28545}], [{1.73652}], [{118.828}]
[{1.82023}], [{1.21991}], [{1.4416}], [{1.71738}], [{127.039}]
[{1.86037}], [{1.90171}], [{1.31355}], [{1.82992}], [{194.255}]
[{1.96368}], [{1.73206}], [{1.99633}], [{1.99772}], [{237.8}]
[{1.44476}], [{1.30759}], [{1.91878}], [{2.01218}], [{144.871}]
[{2.38206}], [{2.41407}], [{2.377}], [{2.03161}], [{447.11}]
[{1.65408}], [{1.95368}], [{1.87148}], [{1.48748}], [{217.22}]
[{2.41144}], [{2.20167}], [{2.47318}], [{2.4331}], [{438.823}]
[{1.63598}], [{2.32027}], [{2.0119}], [{2.71619}], [{329.106}]
[{2.10916}], [{2.53373}], [{2.3398}], [{2.77745}], [{477.67}]
[{2.86434}], [{2.63974}], [{2.47889}], [{2.45457}], [{616.316}]
[{2.88029}], [{2.64759}], [{2.52008}], [{2.45296}], [{627.181}]
[{2.79688}], [{2.77335}], [{2.40983}], [{2.42985}], [{633.316}]
[{2.81989}], [{2.77044}], [{2.38595}], [{3.01659}], [{676.565}]
[{3.18166}], [{3.03179}], [{3.12959}], [{2.56185}], [{925.556}]

EE19B081

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0146414
Matrix Index 1 = 2, Matrix Index 2 = 5
Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.137202}], [{0.07762}], [{0.10901}], [{0.398824}], [{8.69349}]
[{-0.0286428}], [{0.0038542}], [{0.0854559}], [{0.0867522}], [{10.3563}]
[0.100292], [{-0.466079}], [{0.0644332}], [{0.21389}], [{12.6581}]
[0.473442], [{0.55139}], [{-0.164629}], [{0.351403}], [{16.5699}]
[0.369996], [{0.443432}], [{0.691767}], [{0.604108}], [{17.7297}]
[0.11857], [{0.535856}], [{0.57002}], [{0.472122}], [{15.6523}]
[0.519919], [{0.170251}], [{1.16493}], [{0.999339}], [{21.8684}]
[0.942842], [{0.997955}], [{0.540802}], [{0.548913}], [{34.7187}]
[0.82946], [{1.24091}], [{0.53951}], [{1.03461}], [{43.3377}]
[0.81856], [{1.19883}], [{1.00805}], [{0.523507}], [{49.9294}]
[1.45923], [{1.0013}], [{0.872913}], [{1.2697}], [{67.2438}]
[0.763896], [{1.80538}], [{1.14699}], [{1.05882}], [{91.291}]
[1.70558], [{0.591854}], [{1.15844}], [{1.28523}], [{68.3247}]
[1.01714], [{2.0155}], [{1.61039}], [{1.37863}], [{154.548}]
[1.38055], [{1.35759}], [{1.76885}], [{1.59534}], [{127.984}]
[1.62173], [{1.24639}], [{1.78558}], [{1.8334}], [{140.919}]
[1.75668], [{1.86693}], [{1.96613}], [{0.848757}], [{188.928}]
[1.99814], [{1.16336}], [{1.78247}], [{1.79174}], [{156.036}]
[1.42478], [{1.37714}], [{2.22407}], [{1.94639}], [{166.776}]
[1.55933], [{1.7295}], [{1.96601}], [{1.76063}], [{195.721}]
[1.74623], [{1.60304}], [{1.97682}], [{2.19936}], [{210.804}]
[2.19969], [{1.66971}], [{2.3641}], [{2.43093}], [{307.769}]
[1.77301], [{2.00674}], [{1.95767}], [{2.44937}], [{277.714}]
[3.05064], [{2.45722}], [{1.93396}], [{1.60625}], [{440.655}]
[1.97699], [{2.04594}], [{2.95933}], [{2.69376}], [{422.175}]
[2.69572], [{2.68774}], [{2.75847}], [{2.79345}], [{670.451}]
[2.37669], [{2.92904}], [{2.3092}], [{2.06159}], [{560.127}]
[2.60682], [{2.42298}], [{2.55715}], [{2.85938}], [{559.498}]
[2.78107], [{2.70208}], [{2.59365}], [{2.80671}], [{660.281}]
[2.86528], [{2.90141}], [{2.74858}], [{3.16532}], [{795.706}]
```

EE19B082

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.013293
Matrix Index 1 = 4, Matrix Index 2 = 1
Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.456102}], [{0.0437501}], [{0.372797}], [{0.443481}], [{4.67474}]
[0.00937696], [{0.392568}], [{0.100641}], [{-0.547033}], [{11.4905}]
[0.153707], [{0.635779}], [{0.440718}], [{0.124037}], [{14.4357}]
[1.15588], [{0.503725}], [{0.282806}], [{-0.243327}], [{25.7852}]
[0.558747], [{0.340089}], [{-0.0063091}], [{0.280907}], [{14.898}]
[0.436368], [{0.43289}], [{-0.353792}], [{0.879637}], [{14.3337}]
[0.112109], [{0.23026}], [{0.821351}], [{0.497148}], [{12.9512}]
[0.35864], [{0.144229}], [{0.589438}], [{0.571777}], [{15.3961}]
[0.821708], [{0.947957}], [{0.536587}], [{1.14142}], [{38.0982}]
[1.05547], [{0.650403}], [{1.10888}], [{0.624489}], [{39.6713}]
[0.955686], [{1.1275}], [{0.956096}], [{0.94962}], [{56.1012}]
```

```

[ {1.51638} ], [ {1.38019} ], [ {1.34883} ], [ {0.975972} ], [ {103.305} ]
[ {1.10878} ], [ {1.34036} ], [ {1.66938} ], [ {1.39291} ], [ {100.685} ]
[ {1.149} ], [ {0.721085} ], [ {0.859983} ], [ {1.29998} ], [ {45.837} ]
[ {1.61208} ], [ {1.19135} ], [ {1.81391} ], [ {1.35023} ], [ {119.094} ]
[ {1.00629} ], [ {1.69797} ], [ {1.346} ], [ {0.949042} ], [ {104.643} ]
[ {1.85516} ], [ {1.6522} ], [ {2.15791} ], [ {1.57458} ], [ {208.329} ]
[ {2.01506} ], [ {1.865} ], [ {1.41381} ], [ {1.18284} ], [ {193.102} ]
[ {1.7773} ], [ {1.79461} ], [ {1.70576} ], [ {2.04119} ], [ {211.162} ]
[ {2.46671} ], [ {2.12567} ], [ {1.61163} ], [ {1.99438} ], [ {315.772} ]
[ {2.08204} ], [ {1.96213} ], [ {1.7524} ], [ {1.891} ], [ {260.78} ]
[ {2.49678} ], [ {2.32461} ], [ {2.17283} ], [ {2.07724} ], [ {422.141} ]
[ {2.48936} ], [ {2.12592} ], [ {1.92134} ], [ {2.21552} ], [ {357.924} ]
[ {2.43105} ], [ {2.2043} ], [ {2.48982} ], [ {1.93497} ], [ {406.525} ]
[ {2.63204} ], [ {2.86829} ], [ {2.44626} ], [ {2.30334} ], [ {635.304} ]
[ {2.38563} ], [ {2.33438} ], [ {2.4081} ], [ {2.50039} ], [ {460.006} ]
[ {2.74685} ], [ {2.83276} ], [ {2.57183} ], [ {2.81347} ], [ {697.11} ]
[ {3.25654} ], [ {2.60839} ], [ {2.80119} ], [ {2.59674} ], [ {728.082} ]
[ {2.93686} ], [ {2.80603} ], [ {2.37951} ], [ {2.59732} ], [ {677.029} ]
[ {3.16654} ], [ {2.85023} ], [ {3.07392} ], [ {2.70374} ], [ {851.087} ]

```

EE19B086

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0152436

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 1

```

[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[ {0.674956} ], [ {0.255138} ], [ { -0.0173003} ], [ {0.471318} ], [ {17.635} ]
[ {0.250767} ], [ {0.0089042} ], [ {0.811974} ], [ {0.556559} ], [ {15.4756} ]
[ {-0.071568} ], [ {0.206972} ], [ {0.124002} ], [ {-0.140606} ], [ {11.8356} ]
[ {0.470421} ], [ {0.734343} ], [ {0.170686} ], [ {0.0708743} ], [ {20.4679} ]
[ {0.739173} ], [ {0.926944} ], [ {0.73889} ], [ {0.788454} ], [ {37.0733} ]
[ {0.675148} ], [ {0.739483} ], [ {0.493403} ], [ {0.311685} ], [ {26.3256} ]
[ {0.816416} ], [ {0.726548} ], [ {0.283447} ], [ {0.466108} ], [ {28.3027} ]
[ {0.62311} ], [ {0.800432} ], [ {0.751139} ], [ {0.769504} ], [ {32.6288} ]
[ {0.772854} ], [ {1.09836} ], [ {0.850443} ], [ {0.696807} ], [ {45.1022} ]
[ {0.914039} ], [ {1.10698} ], [ {0.522799} ], [ {1.30538} ], [ {48.1324} ]
[ {0.314386} ], [ {0.624894} ], [ {0.859534} ], [ {1.04453} ], [ {22.8708} ]
[ {1.07004} ], [ {1.25558} ], [ {0.764554} ], [ {0.560408} ], [ {57.1569} ]
[ {2.01217} ], [ {1.01355} ], [ {1.43514} ], [ {1.35867} ], [ {108.226} ]
[ {1.25767} ], [ {1.16242} ], [ {1.24845} ], [ {1.33458} ], [ {82.5308} ]
[ {1.35224} ], [ {1.73574} ], [ {1.74477} ], [ {1.76264} ], [ {163.592} ]
[ {1.81731} ], [ {1.7277} ], [ {1.41801} ], [ {1.80071} ], [ {178.211} ]
[ {1.72522} ], [ {1.15711} ], [ {1.93566} ], [ {1.38368} ], [ {126.881} ]
[ {2.02027} ], [ {1.19} ], [ {1.5567} ], [ {1.42707} ], [ {130.261} ]
[ {1.71317} ], [ {2.04678} ], [ {2.39786} ], [ {1.79755} ], [ {281.136} ]
[ {2.14551} ], [ {1.87302} ], [ {2.4625} ], [ {1.5912} ], [ {284.082} ]
[ {1.85947} ], [ {2.14269} ], [ {1.46891} ], [ {2.23113} ], [ {250.565} ]
[ {1.6885} ], [ {2.38235} ], [ {2.40042} ], [ {2.04012} ], [ {349.611} ]
[ {1.57157} ], [ {2.68612} ], [ {2.02501} ], [ {2.19871} ], [ {366.94} ]
[ {2.54634} ], [ {2.39447} ], [ {2.48483} ], [ {1.96961} ], [ {461.301} ]
[ {2.35027} ], [ {2.30144} ], [ {1.58714} ], [ {2.60839} ], [ {349.27} ]
[ {2.48772} ], [ {2.12256} ], [ {2.48424} ], [ {2.91507} ], [ {447.522} ]
[ {3.07193} ], [ {2.16257} ], [ {2.36183} ], [ {2.53534} ], [ {490.527} ]

```

```
[{3.17579}], [{2.57693}], [{2.8324}], [{2.03597}], [{639.873}]
[{3.12781}], [{2.45418}], [{2.75375}], [{2.7643}], [{645.57}]
[{2.71143}], [{3.83431}], [{2.71841}], [{2.93964}], [{1082.73}]
```

EE19B102

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0418639

Matrix Index 1 = 2, Matrix Index 2 = 2

Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.402383}], [{-0.416934}], [{-0.618056}], [{0.158053}], [{6.2691}]
[{-0.0764029}], [{-0.361327}], [{0.629177}], [{0.201963}], [{9.94516}]
[{0.396587}], [{0.356269}], [{0.542402}], [{-0.313391}], [{13.6457}]
[{0.473309}], [{0.307003}], [{0.785834}], [{-0.146327}], [{14.2653}]
[{-0.0308212}], [{0.312591}], [{0.890522}], [{-0.1945}], [{9.61379}]
[{1.35919}], [{0.403676}], [{0.742187}], [{0.348565}], [{27.6879}]
[{0.633656}], [{0.834175}], [{0.370075}], [{0.486391}], [{22.2865}]
[{0.650993}], [{0.667347}], [{0.520715}], [{0.573162}], [{22.2829}]
[{1.02345}], [{0.505758}], [{0.968037}], [{0.804959}], [{31.0477}]
[{1.03088}], [{1.01116}], [{1.33821}], [{0.730008}], [{50.5954}]
[{0.911716}], [{1.10095}], [{0.837453}], [{0.697703}], [{40.9775}]
[{1.08813}], [{1.14553}], [{1.39683}], [{0.660734}], [{58.0695}]
[{0.736643}], [{1.80565}], [{1.26654}], [{1.3105}], [{86.2436}]
[{1.03947}], [{0.855692}], [{1.3445}], [{1.27253}], [{51.1509}]
[{1.64877}], [{1.41561}], [{1.32606}], [{1.36743}], [{108.14}]
[{1.26664}], [{1.18358}], [{1.69292}], [{1.42736}], [{85.3}]
[{1.83661}], [{1.63716}], [{1.19245}], [{0.946673}], [{120.69}]
[{1.2624}], [{1.65787}], [{1.55501}], [{2.0014}], [{127.841}]
[{2.16385}], [{1.8084}], [{2.15315}], [{1.95748}], [{243.637}]
[{2.07924}], [{2.00631}], [{1.35536}], [{1.84639}], [{204.66}]
[{2.36705}], [{2.49912}], [{1.77037}], [{2.4522}], [{365.373}]
[{1.9597}], [{1.9487}], [{1.65129}], [{1.97203}], [{213.049}]
[{2.36603}], [{1.95668}], [{2.23327}], [{2.13353}], [{298.053}]
[{2.83272}], [{2.05925}], [{2.41991}], [{2.56454}], [{402.627}]
[{2.54896}], [{2.50075}], [{2.19559}], [{2.6628}], [{445.684}]
[{2.92239}], [{2.24049}], [{2.5643}], [{2.21835}], [{444.471}]
[{2.93185}], [{2.99286}], [{2.43474}], [{2.34051}], [{637.765}]
[{2.7844}], [{2.52849}], [{2.57504}], [{2.55663}], [{521.298}]
[{3.24803}], [{2.65398}], [{2.49106}], [{2.74095}], [{620.177}]
[{2.66045}], [{2.88636}], [{3.01983}], [{3.17559}], [{705.803}]
```

EE19B112

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0276935

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 4

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{0.336933}], [{-0.114084}], [{-0.352695}], [{0.0492699}], [{14.7143}]
[{-0.380893}], [{-0.545531}], [{0.00973267}], [{-0.332165}], [{8.5965}]
[{-0.0636756}], [{0.280974}], [{0.20865}], [{0.164077}], [{12.9116}]
[{-0.0517624}], [{0.325003}], [{-0.376435}], [{0.236858}], [{11.8854}]
[{-0.0586537}], [{0.438437}], [{0.0114787}], [{-0.261692}], [{11.2158}]
```

[{0.176162}], [{0.603717}], [{0.378336}], [{0.37686}], [{16.1194}]
[{0.521952}], [{0.451989}], [{0.332238}], [{0.951112}], [{20.7767}]
[{1.34278}], [{0.736319}], [{-0.0325321}], [{0.607902}], [{28.8073}]
[{1.0741}], [{1.04583}], [{1.0211}], [{0.791195}], [{47.7953}]
[{0.835996}], [{0.837077}], [{0.955153}], [{0.270671}], [{31.6014}]
[{1.17992}], [{1.19788}], [{0.938634}], [{1.18952}], [{58.7056}]
[{0.95882}], [{0.559794}], [{1.23129}], [{0.743381}], [{34.4051}]
[{0.582441}], [{1.28296}], [{1.30254}], [{0.744012}], [{46.1801}]
[{1.32279}], [{1.38537}], [{1.9558}], [{1.62158}], [{113.41}]
[{1.19153}], [{1.21245}], [{1.12661}], [{0.994373}], [{62.1804}]
[{1.74659}], [{1.62028}], [{1.65405}], [{1.39364}], [{134.897}]
[{1.53176}], [{1.50897}], [{0.991972}], [{1.93516}], [{96.9907}]
[{2.39215}], [{2.25396}], [{1.9075}], [{1.81833}], [{279.286}]
[{1.51207}], [{1.91531}], [{2.11397}], [{1.87482}], [{182.676}]
[{1.93374}], [{2.40199}], [{1.90622}], [{1.90471}], [{264.752}]
[{2.3455}], [{2.01296}], [{1.77876}], [{1.86456}], [{233.74}]
[{2.82889}], [{1.96742}], [{2.3093}], [{1.91202}], [{307.44}]
[{1.81449}], [{2.02706}], [{2.15728}], [{2.34777}], [{239.715}]
[{1.95152}], [{2.25887}], [{1.7307}], [{2.06283}], [{238.412}]
[{2.40934}], [{2.25008}], [{2.64152}], [{2.37916}], [{371.845}]
[{2.36166}], [{2.42076}], [{2.14315}], [{2.48736}], [{353.551}]
[{3.0632}], [{2.7404}], [{2.45535}], [{2.06565}], [{503.885}]
[{2.69884}], [{2.93404}], [{3.00195}], [{2.41305}], [{595.215}]
[{3.02089}], [{2.52665}], [{2.75911}], [{2.09296}], [{486.283}]
[{2.88862}], [{2.54037}], [{3.22725}], [{2.89338}], [{595.88}]

EE19B114

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.0363148

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 3

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{0.360876}], [{0.7482}], [{0.025058}], [{-0.055662}], [{13.0922}]
[{0.23535}], [{-0.284775}], [{-0.080935}], [{-0.108908}], [{11.4627}]
[{-0.138717}], [{0.431798}], [{0.449119}], [{-0.00212439}], [{10.0613}]
[{0.140084}], [{0.650747}], [{0.346744}], [{0.221919}], [{14.0228}]
[{0.534688}], [{0.235431}], [{0.101702}], [{0.227222}], [{15.3714}]
[{0.418444}], [{0.519251}], [{0.02889}], [{0.717964}], [{21.1654}]
[{0.307991}], [{0.156986}], [{0.345572}], [{0.407057}], [{12.7031}]
[{0.934418}], [{0.538736}], [{0.829593}], [{0.525706}], [{22.9466}]
[{0.560478}], [{0.934204}], [{0.786714}], [{0.571243}], [{25.0057}]
[{0.624703}], [{0.908189}], [{0.765147}], [{0.843167}], [{29.6362}]
[{0.794294}], [{1.13605}], [{0.636486}], [{0.673944}], [{34.5967}]
[{1.07431}], [{1.49376}], [{0.64662}], [{0.74777}], [{53.8075}]
[{1.15092}], [{1.30114}], [{1.14209}], [{0.940589}], [{60.6359}]
[{1.46941}], [{1.05936}], [{1.947}], [{1.41407}], [{91.6758}]
[{1.57542}], [{1.01716}], [{1.18357}], [{2.07125}], [{81.7096}]
[{1.11382}], [{1.26057}], [{1.22096}], [{1.25497}], [{64.389}]
[{1.60871}], [{1.75448}], [{1.60648}], [{1.72656}], [{146.782}]
[{1.87014}], [{2.04153}], [{1.14298}], [{1.17722}], [{149.992}]
[{1.65287}], [{1.6997}], [{2.12412}], [{1.36263}], [{157.479}]
[{2.25669}], [{1.93432}], [{2.25045}], [{1.95738}], [{260.729}]
[{1.96401}], [{1.99595}], [{1.55353}], [{2.01131}], [{198.091}]

```
[{1.79918}], [{2.43739}], [{2.02326}], [{2.1605}], [{286.793}]
[{1.94123}], [{2.03185}], [{1.97649}], [{2.05981}], [{233.476}]
[{2.55736}], [{2.67719}], [{2.02379}], [{1.96014}], [{396.408}]
[{2.18761}], [{2.70366}], [{2.70435}], [{2.41121}], [{459.145}]
[{2.41298}], [{2.57557}], [{2.46518}], [{2.30245}], [{425.619}]
[{2.75651}], [{2.50118}], [{2.0335}], [{2.97044}], [{437.141}]
[{2.52317}], [{2.32648}], [{2.66351}], [{2.34317}], [{410.732}]
[{2.91207}], [{2.68549}], [{3.11481}], [{2.83905}], [{638.004}]
[{2.68843}], [{2.62556}], [{2.84882}], [{3.00625}], [{565.933}]
```

EE19B124

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0419654

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 3

```
[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{0.746095}], [{0.0532489}], [{0.0857816}], [{0.136275}], [{20.3963}]
[{-0.291621}], [{0.0657179}], [{-0.47815}], [{-0.0436759}], [{6.45034}]
[{-0.162374}], [{0.120913}], [{-0.131984}], [{0.594231}], [{9.45882}]
[{0.299999}], [{0.227908}], [{-0.192079}], [{0.468581}], [{13.9365}]
[{0.146091}], [{0.644929}], [{0.0573116}], [{-0.155094}], [{12.655}]
[{1.32106}], [{0.527556}], [{0.572839}], [{0.579128}], [{39.5224}]
[{0.48681}], [{0.512372}], [{0.896352}], [{0.0689213}], [{21.6218}]
[{1.09333}], [{0.519385}], [{0.580208}], [{0.19395}], [{31.2326}]
[{1.00238}], [{1.05381}], [{0.875924}], [{1.08596}], [{56.5984}]
[{0.584095}], [{0.959875}], [{1.56876}], [{0.593638}], [{41.9921}]
[{1.09851}], [{1.21131}], [{0.869884}], [{0.56485}], [{61.6569}]
[{1.314}], [{1.10551}], [{1.15519}], [{1.61732}], [{83.523}]
[{0.914739}], [{1.40795}], [{0.935673}], [{0.848102}], [{70.699}]
[{1.20789}], [{1.27989}], [{0.713892}], [{1.17706}], [{70.2422}]
[{1.24804}], [{1.55037}], [{0.962276}], [{1.39285}], [{101.769}]
[{2.01298}], [{1.72344}], [{1.30858}], [{1.38546}], [{179.612}]
[{2.07382}], [{1.88443}], [{1.67038}], [{1.9128}], [{243.606}]
[{1.85598}], [{2.74925}], [{1.76518}], [{1.69646}], [{384.381}]
[{1.77234}], [{2.06689}], [{1.55318}], [{1.92909}], [{236.152}]
[{1.50412}], [{1.91529}], [{1.81768}], [{1.68301}], [{204.935}]
[{2.01339}], [{2.48921}], [{2.09583}], [{2.19098}], [{396.3}]
[{2.33055}], [{1.33311}], [{1.83894}], [{1.88925}], [{193.915}]
[{2.10576}], [{2.61384}], [{1.65366}], [{2.10161}], [{388.275}]
[{1.86444}], [{2.60327}], [{2.00667}], [{2.23455}], [{396.304}]
[{2.15193}], [{1.94457}], [{2.77191}], [{2.54122}], [{371.9}]
[{2.73594}], [{2.83773}], [{2.86233}], [{1.9942}], [{677.487}]
[{2.84496}], [{2.90772}], [{2.3729}], [{3.24221}], [{726.588}]
[{2.89898}], [{2.99392}], [{2.7614}], [{2.61326}], [{789.33}]
[{2.41413}], [{2.89971}], [{3.2002}], [{2.61245}], [{729.551}]
[{3.38856}], [{3.24739}], [{2.12879}], [{2.41078}], [{858.265}]
```

EE19B127

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0202436

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 4

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{{0.184475}}, {{0.227068}}, {{-0.27534}}, {{-0.136649}}, {{11.8854}}]
[{{-0.207773}}, {{0.256127}}, {{0.273146}}, {{0.0978725}}, {{7.25857}}]
[{{0.411175}}, {{-0.0116719}}, {{-0.0849521}}, {{-0.0832153}}, {{11.6753}}]
[{{1.01839}}, {{0.193784}}, {{0.392687}}, {{1.10496}}, {{23.3728}}]
[{{0.877843}}, {{0.174809}}, {{-0.338841}}, {{0.00919754}}, {{16.8673}}]
[{{0.401722}}, {{0.78983}}, {{0.119905}}, {{1.05624}}, {{18.1044}}]
[{{1.18128}}, {{0.114524}}, {{0.322331}}, {{0.715788}}, {{21.7538}}]
[{{1.2814}}, {{0.234126}}, {{0.160985}}, {{1.08428}}, {{22.359}}]
[{{1.02146}}, {{1.07242}}, {{0.553382}}, {{1.20749}}, {{44.0356}}]
[{{0.080054}}, {{1.38223}}, {{0.692839}}, {{0.496115}}, {{27.6109}}]
[{{0.720663}}, {{1.13853}}, {{1.40689}}, {{1.04011}}, {{57.4052}}]
[{{1.26638}}, {{0.869225}}, {{0.987535}}, {{1.26087}}, {{56.664}}]
[{{1.12037}}, {{1.28804}}, {{1.62019}}, {{1.17009}}, {{93.516}}]
[{{1.206}}, {{1.50527}}, {{1.30864}}, {{0.866808}}, {{99.5902}}]
[{{1.31355}}, {{1.73712}}, {{0.882807}}, {{1.36862}}, {{113.327}}]
[{{1.76649}}, {{1.9827}}, {{0.841137}}, {{1.14939}}, {{159.103}}]
[{{1.73214}}, {{1.6727}}, {{1.70996}}, {{1.31992}}, {{176.073}}]
[{{1.66268}}, {{1.60041}}, {{2.19578}}, {{1.35075}}, {{189.655}}]
[{{1.8392}}, {{2.1051}}, {{1.29841}}, {{1.81802}}, {{231.571}}]
[{{1.54819}}, {{2.05582}}, {{1.6476}}, {{0.990589}}, {{201.872}}]
[{{2.34377}}, {{1.62664}}, {{1.86325}}, {{2.21025}}, {{262.976}}]
[{{2.27365}}, {{2.1128}}, {{2.17548}}, {{1.69268}}, {{345.365}}]
[{{1.7002}}, {{2.58158}}, {{1.96336}}, {{2.06371}}, {{374.129}}]
[{{2.30416}}, {{1.65437}}, {{2.37344}}, {{2.09771}}, {{302.023}}]
[{{2.08091}}, {{2.026}}, {{2.53107}}, {{2.60655}}, {{393.96}}]
[{{2.11762}}, {{2.13654}}, {{2.03626}}, {{2.25085}}, {{350.961}}]
[{{2.52735}}, {{2.39077}}, {{2.45027}}, {{2.14015}}, {{501.35}}]
[{{3.07164}}, {{2.96545}}, {{2.54734}}, {{2.60296}}, {{822.289}}]
[{{2.70815}}, {{3.36731}}, {{3.32577}}, {{2.99738}}, {{1104.02}}]
[{{3.35939}}, {{2.93063}}, {{2.86954}}, {{2.72984}}, {{939.023}}]

```

EE19B130

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.026395

Matrix Index 1 = 3, Matrix Index 2 = 4

Parameter No. = 5

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{{0.38513}}, {{-0.0451074}}, {{0.11554}}, {{0.458992}}, {{16.4619}}]
[{{0.245176}}, {{-0.247961}}, {{-0.0122003}}, {{0.0676066}}, {{13.7341}}]
[{{-0.163565}}, {{0.618577}}, {{0.495499}}, {{0.0363067}}, {{10.5366}}]
[{{0.329542}}, {{-0.200871}}, {{0.580169}}, {{0.0716867}}, {{15.3956}}]
[{{0.490791}}, {{0.640159}}, {{0.972579}}, {{0.195161}}, {{22.7893}}]
[{{0.106259}}, {{0.0887101}}, {{0.440985}}, {{0.656301}}, {{14.738}}]
[{{0.928434}}, {{0.443462}}, {{0.420744}}, {{1.11773}}, {{26.2881}}]
[{{0.59515}}, {{0.649857}}, {{0.739094}}, {{0.983503}}, {{27.9949}}]
[{{0.879524}}, {{0.748725}}, {{1.04671}}, {{0.697922}}, {{37.4783}}]
[{{0.655083}}, {{0.716055}}, {{0.770967}}, {{0.985618}}, {{28.9636}}]
[{{0.65539}}, {{1.05203}}, {{1.22719}}, {{1.13112}}, {{49.1742}}]
[{{0.862667}}, {{1.28807}}, {{1.23114}}, {{1.22028}}, {{66.7467}}]
[{{1.06552}}, {{1.09718}}, {{1.07983}}, {{1.57088}}, {{66.3874}}]
[{{1.91317}}, {{1.71819}}, {{1.13613}}, {{1.63437}}, {{153.627}}]
[{{1.70933}}, {{1.17779}}, {{1.38436}}, {{1.30986}}, {{99.8986}}]

```

```
[[{1.87532}], [{1.20442}], [{1.59367}], [{2.15478}], [{137.353}]
[{{2.06622}], [{1.4297}], [{1.52059}], [{1.87295}], [{158.753}]
[{{2.02372}], [{1.68655}], [{1.08766}], [{2.06816}], [{161.653}]
[{{1.81768}], [{1.67642}], [{1.86531}], [{1.98887}], [{195.604}]
[{{2.56383}], [{1.67992}], [{2.02761}], [{2.11539}], [{264.341}]
[{{2.45134}], [{2.03848}], [{2.67518}], [{2.52079}], [{400.608}]
[{{2.39897}], [{2.09074}], [{2.22108}], [{1.34262}], [{307.33}]
[{{2.01873}], [{2.20521}], [{2.00542}], [{2.3184}], [{315.891}]
[{{2.79086}], [{2.17212}], [{2.34294}], [{1.90466}], [{396.665}]
[{{2.23725}], [{2.65445}], [{2.86392}], [{2.17491}], [{529.167}]
[{{2.01776}], [{2.73157}], [{2.0243}], [{2.68237}], [{438.251}]
[{{2.70054}], [{3.03042}], [{2.40618}], [{2.18965}], [{644.921}]
[{{2.75076}], [{3.01452}], [{2.31027}], [{2.70408}], [{663.356}]
[{{2.83005}], [{2.99804}], [{2.421}], [{2.428}], [{670.407}]
[{{3.09601}], [{3.24506}], [{2.60181}], [{2.48158}], [{835.191}]
```

EE20B031

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0251254

Matrix Index 1 = 5, Matrix Index 2 = 5

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{{0.113049}], [{{-0.0730186}], [{{-0.590974}], [{{0.345153}], [{{10.0728}]
[{{-0.0824406}], [{{0.0415076}], [{{-0.15638}], [{{0.561297}], [{{11.2575}]
[{{0.252691}], [{{-0.00422584}], [{{0.658783}], [{{0.0977343}], [{{10.6148}]
[{{-0.21722}], [{{0.671037}], [{{0.481864}], [{{0.672748}], [{{11.0404}]
[{{0.306212}], [{{0.470591}], [{{0.451128}], [{{-0.0353678}], [{{12.7948}]
[{{-0.0120705}], [{{1.16528}], [{{0.686692}], [{{0.749124}], [{{20.8001}]
[{{0.693524}], [{{0.529512}], [{{0.892381}], [{{0.796984}], [{{26.3838}]
[{{0.613577}], [{{0.620916}], [{{0.886466}], [{{0.30503}], [{{22.7837}]
[{{1.46873}], [{{0.903565}], [{{0.833244}], [{{0.508098}], [{{44.5736}]
[{{1.15723}], [{{1.24998}], [{{0.418642}], [{{0.778047}], [{{45.6529}]
[{{0.933992}], [{{1.25111}], [{{1.04454}], [{{0.774469}], [{{55.7451}]
[{{0.596584}], [{{1.33325}], [{{1.20204}], [{{1.28516}], [{{57.0304}]
[{{1.07701}], [{{1.43521}], [{{1.49874}], [{{1.03053}], [{{87.8814}]
[{{1.10136}], [{{1.68308}], [{{1.54447}], [{{1.39531}], [{{116.993}]
[{{1.81692}], [{{2.08924}], [{{1.24079}], [{{1.13154}], [{{180.42}]
[{{1.77322}], [{{1.51527}], [{{1.31377}], [{{1.22241}], [{{121.882}]
[{{1.29807}], [{{1.18653}], [{{1.52546}], [{{2.22648}], [{{103.547}]
[{{1.54007}], [{{1.57157}], [{{1.46372}], [{{0.952712}], [{{117.423}]
[{{2.05408}], [{{1.32801}], [{{1.50443}], [{{1.86575}], [{{143.735}]
[{{1.819}], [{{2.04194}], [{{1.86168}], [{{1.62669}], [{{231.727}]
[{{1.82938}], [{{1.99113}], [{{2.19254}], [{{1.67379}], [{{249.421}]
[{{1.94297}], [{{2.52258}], [{{1.79599}], [{{2.01126}], [{{332.582}]
[{{2.11829}], [{{2.06419}], [{{2.43548}], [{{1.57414}], [{{299.635}]
[{{2.53039}], [{{2.41627}], [{{1.73633}], [{{2.68869}], [{{392.138}]
[{{2.25596}], [{{1.84911}], [{{2.58856}], [{{2.34151}], [{{326.175}]
[{{2.35743}], [{{1.95184}], [{{2.2534}], [{{2.7391}], [{{344.182}]
[{{2.7553}], [{{2.54764}], [{{3.05772}], [{{2.6241}], [{{625.646}]
[{{2.51953}], [{{2.32967}], [{{2.13854}], [{{2.78125}], [{{429.478}]
[{{2.91884}], [{{2.47583}], [{{2.76258}], [{{2.71749}], [{{595.178}]
[{{3.39498}], [{{3.0279}], [{{3.09543}], [{{2.55255}], [{{894.656}]]
```

EE20B033

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.020297

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 2

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.00896755}}, [{ -0.683292}], [{ 0.571589}], [{ 0.0955579}], [{ 11.9642}]
[{{0.260939}}, [{ 0.639826}], [{ 0.33172}], [{ -0.0577601}], [{ 14.6875}]
[{{-0.153328}}, [{ 0.175413}], [{ -0.4133}], [{ -0.192687}], [{ 7.76625}]
[{{0.326977}}, [{ -0.0906855}], [{ -0.0108542}], [{ -0.0177667}], [{ 14.5429}]
[{{0.627167}}, [{ 0.208133}], [{ 0.586496}], [{ 0.213014}], [{ 19.4465}]
[{{0.536941}}, [{ 0.631024}], [{ 0.556539}], [{ 0.496275}], [{ 20.5281}]
[{{0.801712}}, [{ 0.475197}], [{ 0.573017}], [{ -0.0257186}], [{ 20.9969}]
[{{1.04491}}, [{ 0.578724}], [{ 0.536597}], [{ 0.838167}], [{ 32.6138}]
[{{0.803819}}, [{ 0.21044}], [{ 0.823936}], [{ 1.21192}], [{ 29.0461}]
[{{0.54016}}, [{ 0.726807}], [{ 0.949213}], [{ 1.18009}], [{ 28.8469}]
[{{1.16542}}, [{ 0.691967}], [{ 1.33015}], [{ 0.865584}], [{ 48.4922}]
[{{0.626438}}, [{ 0.962233}], [{ 1.02419}], [{ 1.63844}], [{ 41.7158}]
[{{1.18075}}, [{ 0.968643}], [{ 1.13034}], [{ 1.48413}], [{ 64.5339}]
[{{1.35501}}, [{ 1.38331}], [{ 1.14468}], [{ 1.797}], [{ 97.5892}]
[{{1.50064}}, [{ 1.1043}], [{ 0.895454}], [{ 1.0717}], [{ 70.003}]
[{{1.88441}}, [{ 1.2467}], [{ 1.64427}], [{ 1.44236}], [{ 128.099}]
[{{1.48386}}, [{ 1.72307}], [{ 1.71513}], [{ 1.6146}], [{ 156.049}]
[{{1.76508}}, [{ 1.82837}], [{ 0.79276}], [{ 2.16893}], [{ 139.022}]
[{{2.31637}}, [{ 1.61468}], [{ 1.83733}], [{ 1.9616}], [{ 221.99}]
[{{2.35196}}, [{ 1.29162}], [{ 1.21346}], [{ 1.13222}], [{ 126.291}]
[{{1.92362}}, [{ 1.66409}], [{ 1.96461}], [{ 1.31705}], [{ 180.689}]
[{{2.34278}}, [{ 1.89755}], [{ 2.34809}], [{ 1.69343}], [{ 285.775}]
[{{1.51323}}, [{ 2.14583}], [{ 1.71556}], [{ 2.19979}], [{ 218.691}]
[{{1.982}}, [{ 2.13425}], [{ 2.25398}], [{ 2.23898}], [{ 310.454}]
[{{2.24477}}, [{ 1.77256}], [{ 2.35097}], [{ 2.35795}], [{ 300.26}]
[{{1.73743}}, [{ 3.03759}], [{ 2.78697}], [{ 1.95302}], [{ 489.758}]
[{{2.6466}}, [{ 2.37706}], [{ 2.18211}], [{ 2.33915}], [{ 428.168}]
[{{2.55692}}, [{ 2.67651}], [{ 2.83314}], [{ 2.27471}], [{ 555.489}]
[{{3.27938}}, [{ 2.46989}], [{ 3.32625}], [{ 2.30268}], [{ 676.06}]
[{{3.07771}}, [{ 2.87211}], [{ 2.91911}], [{ 2.64123}], [{ 739.894}]
```

EE20B039

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0314229

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 3

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.182231}}, [{ 0.203189}], [{ -0.372581}], [{ -0.0482026}], [{ 8.49292}]
[{{0.370639}}, [{ -0.225436}], [{ 0.385138}], [{ 0.35251}], [{ 13.7663}]
[{{0.0901134}}, [{ 0.309922}], [{ -0.173722}], [{ -0.424561}], [{ 8.69591}]
[{{0.634222}}, [{ 0.0802861}], [{ 0.716584}], [{ -0.47264}], [{ 12.3448}]
[{{0.750639}}, [{ 0.402797}], [{ 0.309729}], [{ 0.576231}], [{ 17.6341}]
[{{0.574898}}, [{ 0.244788}], [{ 0.360557}], [{ -0.327597}], [{ 13.1701}]
[{{0.120491}}, [{ 0.833306}], [{ 0.0249782}], [{ 0.985678}], [{ 12.6338}]
[{{0.80241}}, [{ 0.564613}], [{ 0.664101}], [{ 0.757673}], [{ 22.486}]
[{{0.964655}}, [{ 1.04304}], [{ 0.761257}], [{ 1.03816}], [{ 41.2282}]]
```

[{1.08121}], [{0.789196}], [{1.50893}], [{1.12399}], [{48.217}]
 [{1.33781}], [{0.494833}], [{0.709672}], [{1.12431}], [{34.9734}]
 [{1.20053}], [{0.250588}], [{0.703774}], [{1.13087}], [{30.1621}]
 [{1.22075}], [{0.746018}], [{1.49083}], [{1.39969}], [{57.6972}]
 [{1.05994}], [{1.2973}], [{0.68334}], [{1.36443}], [{51.9112}]
 [{1.41812}], [{1.80131}], [{1.42105}], [{1.38759}], [{128.157}]
 [{2.37268}], [{1.7485}], [{1.6543}], [{1.31595}], [{191.153}]
 [{1.99367}], [{1.89954}], [{2.11716}], [{1.76211}], [{232.891}]
 [{1.58637}], [{1.79035}], [{2.17859}], [{2.07961}], [{204.048}]
 [{2.12798}], [{1.6343}], [{1.79431}], [{2.0964}], [{200.408}]
 [{1.4499}], [{1.56788}], [{2.01269}], [{1.80519}], [{150.706}]
 [{1.73267}], [{1.65915}], [{1.50889}], [{2.71216}], [{174.348}]
 [{2.09187}], [{2.06657}], [{2.54589}], [{1.38898}], [{277.264}]
 [{1.83589}], [{2.27142}], [{2.17462}], [{1.98714}], [{288.01}]
 [{2.39219}], [{1.79598}], [{2.13499}], [{2.54192}], [{289.676}]
 [{2.29066}], [{2.70377}], [{3.08365}], [{2.1793}], [{535.594}]
 [{2.28999}], [{2.38977}], [{2.56893}], [{2.5926}], [{429.146}]
 [{2.29863}], [{2.81664}], [{2.5641}], [{2.5601}], [{525.762}]
 [{2.77973}], [{2.9693}], [{2.76851}], [{2.85576}], [{689.279}]
 [{3.20637}], [{2.47354}], [{2.57816}], [{3.29838}], [{625.255}]
 [{2.69384}], [{2.77265}], [{2.9269}], [{2.95187}], [{650.921}]

EE20B041

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.022303

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 2

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
 [{0.363623}], [{-0.0512397}], [{-0.183549}], [{0.266207}], [{14.7756}]
 [{0.11201}], [{0.543116}], [{0.102236}], [{0.254072}], [{11.783}]
 [{-0.201002}], [{0.116749}], [{0.0880312}], [{-0.0660483}], [{9.3484}]
 [{0.452327}], [{0.750059}], [{0.890907}], [{0.533976}], [{26.5107}]
 [{0.609237}], [{0.290033}], [{0.432007}], [{0.518023}], [{21.7244}]
 [{0.392155}], [{-0.239017}], [{0.21311}], [{-0.0880905}], [{16.2559}]
 [{0.648824}], [{0.6532}], [{0.358955}], [{0.367952}], [{23.7341}]
 [{0.802399}], [{0.79519}], [{0.519563}], [{1.17198}], [{36.2762}]
 [{0.692377}], [{1.56314}], [{0.59329}], [{0.895975}], [{52.4098}]
 [{1.20769}], [{0.972375}], [{0.973639}], [{0.189677}], [{46.1541}]
 [{1.09144}], [{0.816615}], [{1.51362}], [{1.03885}], [{62.9945}]
 [{1.13054}], [{0.739134}], [{0.958344}], [{0.835208}], [{45.3175}]
 [{0.822102}], [{1.08711}], [{1.56367}], [{1.12666}], [{65.1436}]
 [{1.09367}], [{1.29014}], [{1.72885}], [{0.943252}], [{92.4206}]
 [{1.25825}], [{1.01414}], [{1.39863}], [{1.74885}], [{88.2655}]
 [{1.41472}], [{1.17503}], [{1.94815}], [{1.40767}], [{120.954}]
 [{1.738}], [{1.32683}], [{1.49942}], [{1.51759}], [{135.82}]
 [{2.14603}], [{2.0609}], [{1.39715}], [{1.79232}], [{246.325}]
 [{1.54708}], [{1.56502}], [{1.6014}], [{2.40303}], [{180.027}]
 [{1.93962}], [{2.07983}], [{1.67003}], [{2.13935}], [{268.814}]
 [{2.20522}], [{2.12159}], [{1.59046}], [{2.02863}], [{290.268}]
 [{1.53178}], [{2.17518}], [{2.37375}], [{2.07254}], [{301.093}]
 [{2.3532}], [{1.71121}], [{2.43539}], [{2.05317}], [{319.297}]
 [{2.39143}], [{2.45821}], [{2.30696}], [{2.24454}], [{467.336}]
 [{2.08267}], [{2.56292}], [{1.82254}], [{2.01265}], [{375.652}]

```
[{2.82344}], [{2.67552}], [{2.54459}], [{2.3657}], [{625.76}]
[{2.98132}], [{2.92633}], [{2.9867}], [{2.49547}], [{816.819}]
[{3.06411}], [{3.05366}], [{2.4193}], [{2.41307}], [{762.875}]
[{2.52459}], [{3.24375}], [{3.05617}], [{3.10511}], [{906.244}]
[{3.04653}], [{3.02711}], [{2.54299}], [{2.52723}], [{783.046}]
```

EE20B048

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0347994

Matrix Index 1 = 4, Matrix Index 2 = 3

Parameter No. = 3

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{1.09931}], [{-0.298363}], [{0.0134543}], [{-0.0461598}], [{24.752}]
[{-0.443248}], [{-0.109165}], [{0.146404}], [{0.096195}], [{5.52651}]
[{-0.358636}], [{0.0408557}], [{0.859541}], [{0.0973171}], [{6.0989}]
[{0.554216}], [{0.338759}], [{0.127253}], [{0.574215}], [{18.5543}]
[{0.439534}], [{0.682968}], [{0.294918}], [{0.261623}], [{19.0727}]
[{0.289131}], [{0.316191}], [{0.78825}], [{0.931857}], [{18.3042}]
[{0.307268}], [{0.458194}], [{0.655548}], [{0.748158}], [{17.1651}]
[{0.837143}], [{0.310231}], [{0.633071}], [{0.938185}], [{27.6294}]
[{0.70058}], [{1.08888}], [{1.20198}], [{1.29232}], [{55.5324}]
[{0.962059}], [{1.12743}], [{0.462355}], [{1.08375}], [{45.6637}]
[{1.23724}], [{1.01578}], [{0.837621}], [{0.369809}], [{53.2474}]
[{1.22481}], [{1.30497}], [{0.787552}], [{1.00974}], [{75.0446}]
[{1.1838}], [{1.3925}], [{0.875046}], [{0.527311}], [{72.5844}]
[{1.1023}], [{1.73462}], [{1.42928}], [{2.04278}], [{142.295}]
[{1.63287}], [{0.899303}], [{1.17836}], [{1.37437}], [{84.253}]
[{1.79287}], [{1.18753}], [{1.62744}], [{1.2063}], [{122.773}]
[{1.86583}], [{1.17968}], [{1.72647}], [{1.3925}], [{134.978}]
[{1.93602}], [{1.6988}], [{1.36262}], [{2.40692}], [{206.09}]
[{1.53022}], [{1.68371}], [{2.00692}], [{1.50034}], [{186.827}]
[{1.88609}], [{1.71709}], [{1.78555}], [{1.81839}], [{217.098}]
[{2.18928}], [{1.76182}], [{1.64096}], [{2.0369}], [{244.382}]
[{2.01691}], [{2.1536}], [{1.96876}], [{1.81417}], [{315.2}]
[{2.46948}], [{2.03933}], [{2.00101}], [{1.84365}], [{342.304}]
[{2.90799}], [{2.40051}], [{2.57879}], [{2.01556}], [{555.405}]
[{2.24124}], [{2.61945}], [{2.52444}], [{1.83869}], [{504.678}]
[{2.91268}], [{2.02144}], [{2.01292}], [{2.62744}], [{434.719}]
[{2.63612}], [{2.02052}], [{2.55536}], [{3.02837}], [{494.715}]
[{1.89818}], [{3.23088}], [{2.76902}], [{2.90504}], [{726.461}]
[{3.26961}], [{2.09733}], [{2.62227}], [{2.88334}], [{599.581}]
[{2.50979}], [{3.00846}], [{3.0337}], [{3.14653}], [{845.59}]
```

EE20B051

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.048765

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{-0.305095}], [{0.125146}], [{-0.645547}], [{-0.0112239}], [{6.09171}]
[{-0.295557}], [{0.0356334}], [{0.563875}], [{0.356212}], [{5.45226}]
[{0.440323}], [{0.123113}], [{-0.247332}], [{1.01692}], [{11.3431}]
```

```

[{-0.0234617}], [{0.791168}], [{0.727169}], [{0.401997}], [{12.5472}]
[0.609407]], [{0.739826}], [{0.544354}], [{0.00553726}], [{20.1897}]
[0.615641]], [{0.641386}], [{0.565508}], [{0.350258}], [{19.4634}]
[0.844569]], [{0.19464}], [{0.384061}], [{0.943354}], [{19.3729}]
[0.723365]], [{0.458098}], [{0.903032}], [{0.585289}], [{22.5887}]
[0.560034]], [{0.48455}], [{0.677648}], [{0.831078}], [{18.2996}]
[1.45353]], [{0.53503}], [{1.3757}], [{0.696066}], [{45.0892}]
[1.34185]], [{0.713862}], [{1.26289}], [{1.20774}], [{55.546}]
[0.529861]], [{1.30036}], [{1.23198}], [{1.43133}], [{48.0811}]
[0.960319]], [{1.1136}], [{1.42812}], [{1.19365}], [{61.0582}]
[1.31622]], [{0.866258}], [{0.975859}], [{2.18012}], [{66.5595}]
[0.843604]], [{1.5294}], [{1.59516}], [{1.4098}], [{86.5641}]
[1.72336]], [{2.02978}], [{1.35303}], [{1.76755}], [{188.092}]
[1.24149]], [{1.50379}], [{1.56661}], [{1.31673}], [{105.709}]
[1.80267]], [{1.14941}], [{1.8123}], [{1.82392}], [{133.915}]
[1.7592]], [{1.63393}], [{1.77191}], [{1.39574}], [{160.124}]
[2.14718]], [{1.84182}], [{2.19838}], [{2.23771}], [{281.347}]
[1.92824]], [{1.75997}], [{1.8165}], [{2.18436}], [{216.582}]
[1.81687]], [{1.12827}], [{1.608}], [{2.62944}], [{152.987}]
[1.8619]], [{2.00394}], [{2.37288}], [{2.4034}], [{298.836}]
[2.90615]], [{2.07138}], [{2.18603}], [{2.21546}], [{396.442}]
[1.63268]], [{2.80259}], [{2.3195}], [{2.13535}], [{393.051}]
[2.81845]], [{2.59778}], [{2.89803}], [{2.58685}], [{625.54}]
[3.10595]], [{1.92747}], [{2.46148}], [{2.76801}], [{465.355}]
[2.81025]], [{3.09385}], [{2.64416}], [{2.74707}], [{741.967}]
[3.38043]], [{2.70107}], [{2.82895}], [{2.96211}], [{773.579}]
[3.46186]], [{2.64396}], [{2.87396}], [{3.07321}], [{791.915}]

```

EE20B053

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0394654

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 3

```

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[0.327659]], [{0.0278509}], [{-0.337607}], [{0.637925}], [{11.2246}]
[-0.0297677]], [{-0.20258}], [{0.379133}], [{-0.0852432}], [{8.31009}]
[0.0590885]], [{0.139705}], [{0.0628161}], [{-0.195361}], [{7.64614}]
[0.444137]], [{0.373588}], [{-0.0632529}], [{0.0595092}], [{12.3248}]
[0.500333]], [{-0.336956}], [{0.226378}], [{0.352858}], [{11.9548}]
[0.300594]], [{0.624352}], [{0.200134}], [{0.229385}], [{13.214}]
[0.640232]], [{0.616938}], [{0.156615}], [{0.526142}], [{20.2579}]
[0.626891]], [{0.657716}], [{0.537888}], [{0.264261}], [{21.8718}]
[0.898277]], [{1.01863}], [{0.914898}], [{0.375533}], [{38.7399}]
[0.808326]], [{1.23342}], [{0.865091}], [{0.714556}], [{46.6511}]
[0.667386]], [{1.00776}], [{0.776776}], [{1.39425}], [{36.9304}]
[1.07817]], [{0.925793}], [{1.39202}], [{0.929977}], [{56.3857}]
[0.734827]], [{1.07614}], [{1.32259}], [{0.820273}], [{47.7984}]
[1.39193]], [{1.46738}], [{1.67531}], [{1.38078}], [{123.58}]
[1.50903]], [{1.49343}], [{1.31884}], [{1.52254}], [{120.879}]
[1.71179]], [{1.4756}], [{1.44977}], [{1.0622}], [{124.691}]
[1.45861]], [{1.52219}], [{1.49956}], [{1.79477}], [{134.94}]
[1.86307]], [{2.13009}], [{1.44392}], [{1.72689}], [{235.841}]
[1.96219]], [{1.69902}], [{2.30696}], [{1.62197}], [{234.054}]

```

```
[{1.48547}], [{2.03246}], [{1.9423}], [{2.36777}], [{242.218}]
[{2.32508}], [{2.02795}], [{2.38105}], [{2.24759}], [{365.193}]
[{1.94831}], [{1.95469}], [{2.28512}], [{1.83885}], [{282.176}]
[{2.26062}], [{2.3811}], [{2.22328}], [{1.62548}], [{381.856}]
[{2.26896}], [{2.3905}], [{2.24513}], [{2.61007}], [{440.6}]
[{2.83346}], [{2.30045}], [{2.83113}], [{1.84251}], [{505.075}]
[{2.29368}], [{2.20126}], [{2.67205}], [{2.23564}], [{426.249}]
[{2.66717}], [{2.33159}], [{2.21005}], [{2.1015}], [{443.745}]
[{2.60301}], [{2.55075}], [{2.30652}], [{2.81095}], [{549.144}]
[{3.12469}], [{2.75555}], [{2.70357}], [{2.79419}], [{753.849}]
[{2.72499}], [{3.06075}], [{2.68638}], [{2.93105}], [{789.774}]
```

EE20B073

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0313155

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 2

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.225891}], [{0.397561}], [{0.00380633}], [{0.0164148}], [{8.70253}]
[{0.183516}], [{-0.120061}], [{0.399362}], [{-0.350836}], [{12.4346}]
[{-0.267431}], [{0.768021}], [{-0.180885}], [{0.387652}], [{6.71257}]
[{0.26141}], [{-0.0282542}], [{0.627685}], [{0.359968}], [{14.5673}]
[{0.627508}], [{0.368638}], [{-0.0320246}], [{-0.128597}], [{18.1759}]
[{0.416355}], [{0.302756}], [{0.823326}], [{0.552847}], [{17.6419}]
[{0.17428}], [{0.0587157}], [{1.05231}], [{0.607399}], [{13.0217}]
[{-0.141693}], [{0.837559}], [{0.950121}], [{0.739273}], [{13.6586}]
[{0.656395}], [{0.67253}], [{0.892102}], [{0.262685}], [{26.1762}]
[{0.504294}], [{1.78144}], [{0.524129}], [{0.393335}], [{45.4127}]
[{0.334305}], [{1.68203}], [{1.10751}], [{1.51848}], [{51.5509}]
[{0.573277}], [{0.816051}], [{1.3624}], [{1.44534}], [{36.1136}]
[{1.18264}], [{1.03927}], [{1.66344}], [{1.04508}], [{64.8133}]
[{1.30934}], [{1.67814}], [{1.64986}], [{1.34926}], [{116.121}]
[{1.05516}], [{1.5419}], [{1.56184}], [{1.45852}], [{91.3606}]
[{1.82972}], [{1.39332}], [{1.04736}], [{1.38299}], [{99.509}]
[{1.81786}], [{1.00619}], [{1.63431}], [{1.48754}], [{93.539}]
[{1.69619}], [{1.57966}], [{1.57645}], [{2.0367}], [{140.479}]
[{1.88798}], [{1.52591}], [{1.09815}], [{1.38843}], [{115.154}]
[{2.25139}], [{2.43991}], [{1.73621}], [{1.73424}], [{294.419}]
[{1.71117}], [{2.40833}], [{1.75647}], [{1.26866}], [{230.768}]
[{2.32455}], [{2.48297}], [{2.16024}], [{2.28821}], [{360.448}]
[{1.98267}], [{2.4722}], [{2.03309}], [{2.03855}], [{303.805}]
[{2.23534}], [{2.43262}], [{1.94673}], [{2.39197}], [{328.003}]
[{2.01851}], [{2.21399}], [{2.34315}], [{2.26381}], [{294.947}]
[{2.40594}], [{2.13725}], [{2.73226}], [{2.59348}], [{367.853}]
[{3.17572}], [{2.6002}], [{2.82985}], [{3.032}], [{606.953}]
[{1.82366}], [{2.77342}], [{3.05898}], [{2.41886}], [{443.76}]
[{2.78491}], [{3.11786}], [{3.17238}], [{2.70932}], [{718.61}]
[{2.68959}], [{2.45208}], [{3.28947}], [{3.5666}], [{587.164}]]
```

EE20B081

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0309903

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.043151}], [{-0.291898}], [{-0.0664435}], [{-0.207125}], [{8.71301}]
[{-0.488636}], [{-0.111245}], [{-0.0705201}], [{0.214324}], [{5.77306}]
[0.284607], [{0.0581563}], [{-0.797955}], [{0.198138}], [{12.4147}]
[{-0.216188}], [{0.105518}], [{0.442202}], [{0.54823}], [{4.78047}]
[0.105899], [{0.314114}], [{0.267732}], [{0.696325}], [{13.1765}]
[0.392204], [{0.839826}], [{0.813382}], [{0.587449}], [{22.7803}]
[0.750913], [{0.822708}], [{0.689809}], [{0.578578}], [{31.0612}]
[0.853952], [{0.551269}], [{0.671801}], [{0.922716}], [{28.1749}]
[0.312514], [{1.26433}], [{0.88866}], [{0.973213}], [{34.3084}]
[1.53603], [{1.20291}], [{0.501391}], [{1.52811}], [{69.3051}]
[0.242631], [{0.931959}], [{1.0033}], [{0.827026}], [{24.5057}]
[1.61784], [{1.52891}], [{1.23385}], [{1.23062}], [{115.906}]
[1.06782], [{1.24787}], [{1.62603}], [{1.52434}], [{87.1908}]
[1.00009], [{1.60295}], [{1.36075}], [{1.74455}], [{102.372}]
[1.13689], [{1.57057}], [{1.92485}], [{1.12819}], [{117.312}]
[1.87986], [{1.09138}], [{1.27056}], [{1.49818}], [{101.668}]
[1.71024], [{1.09154}], [{1.72551}], [{1.93756}], [{123.932}]
[1.01941], [{1.61788}], [{1.79729}], [{1.91547}], [{126.079}]
[1.6881], [{1.34359}], [{1.02626}], [{2.36483}], [{115.675}]
[1.51024], [{1.18209}], [{1.61025}], [{1.79468}], [{109.77}]
[1.78011], [{2.12133}], [{2.52936}], [{2.07619}], [{308.248}]
[1.79869], [{1.35994}], [{1.6983}], [{1.7936}], [{145.568}]
[2.48452], [{2.47813}], [{1.95214}], [{2.34455}], [{415.033}]
[2.11712], [{2.19054}], [{2.3631}], [{1.91501}], [{333.221}]
[2.52962], [{2.31775}], [{2.40258}], [{2.23584}], [{429.679}]
[2.31368], [{2.68583}], [{2.33284}], [{2.51342}], [{495.223}]
[2.59035], [{2.8233}], [{3.21025}], [{2.24694}], [{667.284}]
[2.61784], [{2.81807}], [{2.55523}], [{2.58738}], [{607.855}]
[2.80706], [{2.53533}], [{2.87776}], [{2.7416}], [{612.312}]
[2.84636], [{3.21456}], [{2.9834}], [{3.06495}], [{882.357}]
```

EE20B085

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0356557

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.403814}], [{-0.347592}], [{-0.180015}], [{0.0971654}], [{6.35145}]
[0.580914], [{-0.346341}], [{0.198124}], [{0.378287}], [{16.2853}]
[0.486813], [{0.873987}], [{0.312865}], [{0.52545}], [{22.9796}]
[{-0.210169}], [{0.297652}], [{0.476088}], [{0.617993}], [{8.27512}]
[0.132491], [{0.671544}], [{0.589083}], [{0.877393}], [{19.0175}]
[0.747337], [{0.504424}], [{0.254248}], [{-0.00698717}], [{21.0597}]
[0.819402], [{1.26226}], [{0.610555}], [{0.567882}], [{43.1515}]
[0.413165], [{0.709752}], [{0.82404}], [{0.686978}], [{23.2671}]
[0.552443], [{0.806999}], [{1.32501}], [{0.449782}], [{29.6655}]
[1.65843], [{1.05522}], [{0.67661}], [{0.634306}], [{56.9868}]
[1.47075], [{0.887639}], [{1.16486}], [{0.571578}], [{54.5243}]
[{-0.0160188}], [{0.9765}], [{0.60106}], [{0.973435}], [{15.4511}]
[0.935903], [{0.917428}], [{0.973355}], [{1.17099}], [{45.1901}]
```

```

[{\{1.30999\}}, {\{1.38102\}}, {\{1.42068\}}, {\{1.83218\}}, {\{103.023\}}]
[{\{1.02736\}}, {\{1.19984\}}, {\{1.59154\}}, {\{1.19085\}}, {\{74.8843\}}]
[{\{1.20816\}}, {\{1.10247\}}, {\{1.72316\}}, {\{1.20115\}}, {\{75.1193\}}]
[{\{1.62608\}}, {\{1.69628\}}, {\{0.780304\}}, {\{1.73424\}}, {\{111.976\}}]
[{\{1.67807\}}, {\{1.55594\}}, {\{1.8336\}}, {\{1.75229\}}, {\{153.168\}}]
[{\{1.86073\}}, {\{2.05982\}}, {\{1.27395\}}, {\{1.48543\}}, {\{184.395\}}]
[{\{1.74091\}}, {\{2.4545\}}, {\{1.99659\}}, {\{2.16532\}}, {\{300.903\}}]
[{\{2.13298\}}, {\{2.66127\}}, {\{1.74336\}}, {\{2.72822\}}, {\{376.034\}}]
[{\{2.28914\}}, {\{2.10542\}}, {\{2.12161\}}, {\{1.96898\}}, {\{299.997\}}]
[{\{2.31068\}}, {\{1.87355\}}, {\{1.81741\}}, {\{2.34985\}}, {\{255.933\}}]
[{\{2.1724\}}, {\{2.52591\}}, {\{1.97453\}}, {\{2.14547\}}, {\{359.96\}}]
[{\{2.58744\}}, {\{2.46657\}}, {\{2.17578\}}, {\{2.90099\}}, {\{451.742\}}]
[{\{2.05633\}}, {\{2.73183\}}, {\{3.02602\}}, {\{2.26325\}}, {\{504.359\}}]
[{\{2.55801\}}, {\{1.85419\}}, {\{2.90359\}}, {\{2.64563\}}, {\{386.38\}}]
[{\{2.48831\}}, {\{2.55584\}}, {\{3.04958\}}, {\{2.29513\}}, {\{524.673\}}]
[{\{2.8869\}}, {\{2.99717\}}, {\{2.8588\}}, {\{2.85531\}}, {\{726.416\}}]
[{\{3.2636\}}, {\{3.12773\}}, {\{3.05326\}}, {\{2.89274\}}, {\{872.71\}}]

```

EE20B097

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0385228

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 3

```

[%{ X1 },{{ X2 }&},{ X3 },{ X4 }],[@{ Y }]
[{-0.665163}], [{0.566429}], [{-0.428765}], [{-0.136712}], [{-3.29484}]
[{\{0.714618\}}, {\{-0.1865\}}, {\{0.578257\}}, {\{0.308685\}}, {\{15.6003\}}]
[{\{0.143316\}}, {\{0.103261\}}, {\{0.861468\}}, {\{0.148807\}}, {\{9.32303\}}]
[{\{0.330843\}}, {\{0.663861\}}, {\{0.118175\}}, {\{0.65482\}}, {\{14.4396\}}]
[{\{0.319845\}}, {\{0.46191\}}, {\{0.0740496\}}, {\{0.407359\}}, {\{11.8128\}}]
[{\{0.113886\}}, {\{0.319078\}}, {\{0.279737\}}, {\{0.14416\}}, {\{9.31111\}}]
[{\{0.5434\}}, {\{0.619362\}}, {\{0.737613\}}, {\{0.369941\}}, {\{19.4084\}}]
[{\{1.13949\}}, {\{0.271066\}}, {\{0.421824\}}, {\{0.492994\}}, {\{22.544\}}]
[{\{1.29282\}}, {\{1.09671\}}, {\{0.466381\}}, {\{0.593654\}}, {\{47.8108\}}]
[{\{0.830711\}}, {\{0.906364\}}, {\{0.86772\}}, {\{0.862663\}}, {\{37.8007\}}]
[{\{1.53091\}}, {\{1.14001\}}, {\{0.485644\}}, {\{1.03208\}}, {\{62.229\}}]
[{\{0.721442\}}, {\{1.31788\}}, {\{1.3703\}}, {\{1.14787\}}, {\{66.8392\}}]
[{\{0.76324\}}, {\{0.640002\}}, {\{1.0985\}}, {\{1.82692\}}, {\{38.0355\}}]
[{\{1.72551\}}, {\{1.42953\}}, {\{1.22983\}}, {\{1.95794\}}, {\{132.627\}}]
[{\{0.673794\}}, {\{1.47089\}}, {\{1.05142\}}, {\{1.78388\}}, {\{68.2721\}}]
[{\{2.27232\}}, {\{1.40221\}}, {\{1.56372\}}, {\{1.92577\}}, {\{183.515\}}]
[{\{1.47099\}}, {\{1.20828\}}, {\{1.5933\}}, {\{1.62597\}}, {\{108.829\}}]
[{\{1.79048\}}, {\{1.65085\}}, {\{1.27033\}}, {\{1.44481\}}, {\{152.921\}}]
[{\{1.46356\}}, {\{1.69725\}}, {\{1.79632\}}, {\{2.30783\}}, {\{185.747\}}]
[{\{2.05463\}}, {\{1.55327\}}, {\{2.39817\}}, {\{1.73994\}}, {\{230.959\}}]
[{\{1.94984\}}, {\{1.93359\}}, {\{2.40734\}}, {\{1.80872\}}, {\{290.74\}}]
[{\{2.21764\}}, {\{2.3312\}}, {\{2.17499\}}, {\{2.35848\}}, {\{412.066\}}]
[{\{2.52479\}}, {\{1.94679\}}, {\{2.20214\}}, {\{2.01703\}}, {\{346.308\}}]
[{\{2.28867\}}, {\{1.99616\}}, {\{2.57122\}}, {\{2.17782\}}, {\{373.398\}}]
[{\{2.16138\}}, {\{2.31199\}}, {\{2.02991\}}, {\{1.81571\}}, {\{362.365\}}]
[{\{2.81327\}}, {\{2.37924\}}, {\{2.62254\}}, {\{2.41652\}}, {\{559.866\}}]
[{\{2.26741\}}, {\{2.73546\}}, {\{2.44817\}}, {\{3.16316\}}, {\{599.189\}}]
[{\{2.55839\}}, {\{2.50265\}}, {\{2.32074\}}, {\{2.82636\}}, {\{543.59\}}]
[{\{3.28371\}}, {\{2.49029\}}, {\{2.44125\}}, {\{2.98964\}}, {\{682.468\}}]

```

[{2.88845}], [{2.51687}], [{2.7778}], [{2.32695}], [{625.759}]

EE20B114

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0134538

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 1

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.212071}], [{0.0306432}], [{-0.327429}], [{0.0286048}], [{14.8462}]
[{0.0094786}], [{0.0726525}], [{-0.195989}], [{0.0281878}], [{9.6142}]
[{0.242989}], [{0.443034}], [{-0.183286}], [{0.198624}], [{14.8035}]
[{0.262143}], [{0.604682}], [{0.194277}], [{0.47585}], [{16.814}]
[{0.412824}], [{0.493274}], [{0.357009}], [{0.364501}], [{18.4942}]
[{0.340609}], [{0.201723}], [{0.844378}], [{0.727729}], [{18.2105}]
[{0.368133}], [{0.409216}], [{0.67155}], [{0.364992}], [{17.0327}]
[{0.686028}], [{0.30143}], [{0.725214}], [{1.14758}], [{24.1735}]
[{1.19741}], [{1.37103}], [{0.467835}], [{1.19965}], [{58.9327}]
[{0.745632}], [{1.61051}], [{1.08629}], [{0.612647}], [{75.4218}]
[{0.672133}], [{1.28065}], [{1.12982}], [{1.00791}], [{56.8094}]
[{1.37709}], [{1.08097}], [{0.872585}], [{1.40845}], [{67.1729}]
[{0.868323}], [{0.867634}], [{0.908078}], [{0.873658}], [{38.2027}]
[{1.20837}], [{0.976307}], [{0.728092}], [{0.850543}], [{49.9467}]
[{0.896116}], [{1.03555}], [{2.00382}], [{1.54228}], [{76.3213}]
[{2.03993}], [{1.47634}], [{1.27474}], [{1.33594}], [{137.821}]
[{2.06568}], [{1.6357}], [{1.43076}], [{1.70549}], [{173.787}]
[{1.53431}], [{1.45654}], [{1.95419}], [{1.61942}], [{146.989}]
[{1.26251}], [{1.70466}], [{1.27898}], [{2.06656}], [{129.558}]
[{1.97195}], [{1.63642}], [{1.7747}], [{1.38251}], [{180.375}]
[{1.68116}], [{2.5819}], [{1.76186}], [{2.07938}], [{321.831}]
[{1.85985}], [{2.03483}], [{2.33976}], [{2.20556}], [{292.423}]
[{2.31378}], [{2.04108}], [{1.68777}], [{2.6503}], [{297.121}]
[{1.98299}], [{2.09222}], [{2.30432}], [{1.96114}], [{306.334}]
[{2.45714}], [{2.18205}], [{2.48762}], [{2.34578}], [{404.504}]
[{2.46302}], [{2.50157}], [{1.90875}], [{2.81535}], [{436.017}]
[{2.78657}], [{2.44858}], [{3.38076}], [{2.29359}], [{613.047}]
[{2.52935}], [{2.31298}], [{2.70963}], [{2.71262}], [{488.934}]
[{2.96223}], [{2.79263}], [{3.11409}], [{2.66978}], [{748.539}]
[{2.99156}], [{2.96659}], [{2.48907}], [{2.5223}], [{710.242}]

EE20B123

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.04244171

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.432937}], [{-0.332732}], [{-0.627786}], [{0.0408106}], [{11.5796}]
[{0.381237}], [{0.0892543}], [{-0.301523}], [{-0.117927}], [{10.8893}]
[{0.0928795}], [{0.214432}], [{0.601426}], [{0.117226}], [{8.19141}]
[{-0.0585614}], [{-0.330277}], [{0.729555}], [{-0.0249975}], [{7.78629}]
[{-0.192604}], [{-0.160945}], [{0.453013}], [{1.05918}], [{6.31518}]
[{0.332253}], [{0.167912}], [{0.524461}], [{0.460133}], [{12.3657}]
[{0.442571}], [{0.920585}], [{0.317611}], [{0.807881}], [{18.8473}]

[{0.434295}], [{0.653}], [{0.884307}], [{0.751074}], [{21.887}]
 [{0.774421}], [{0.869498}], [{0.867428}], [{0.497184}], [{35.0933}]
 [{1.32381}], [{0.890767}], [{0.485252}], [{1.18374}], [{49.1221}]
 [{0.779642}], [{0.972977}], [{1.33371}], [{1.3109}], [{52.7882}]
 [{0.778407}], [{1.77611}], [{0.831156}], [{1.32233}], [{82.6499}]
 [{1.10428}], [{1.05543}], [{1.34701}], [{1.69186}], [{76.0865}]
 [{1.19782}], [{1.24405}], [{1.24127}], [{1.32922}], [{83.9074}]
 [{1.13278}], [{1.2688}], [{0.901228}], [{1.1645}], [{68.9135}]
 [{0.933642}], [{1.20582}], [{1.33567}], [{1.60983}], [{75.9407}]
 [{1.44533}], [{1.33211}], [{1.53929}], [{2.00889}], [{128.578}]
 [{1.72133}], [{1.34027}], [{1.81642}], [{1.36358}], [{141.125}]
 [{2.07263}], [{1.91852}], [{1.86034}], [{1.12309}], [{238.027}]
 [{1.88152}], [{1.52399}], [{1.72836}], [{2.30423}], [{200.832}]
 [{2.08363}], [{1.61244}], [{2.00968}], [{1.7757}], [{228.96}]
 [{2.17372}], [{1.79975}], [{1.97442}], [{2.03515}], [{274.748}]
 [{2.41718}], [{1.8389}], [{2.25634}], [{2.30821}], [{343.185}]
 [{2.58754}], [{2.57849}], [{2.1724}], [{2.47209}], [{539.501}]
 [{2.67341}], [{2.38413}], [{2.45235}], [{2.29623}], [{521.46}]
 [{3.16606}], [{2.42902}], [{2.87202}], [{2.51539}], [{683.924}]
 [{2.54911}], [{2.14581}], [{2.77838}], [{3.03478}], [{536.289}]
 [{2.8127}], [{2.55848}], [{2.69245}], [{2.85179}], [{670.516}]
 [{2.90475}], [{2.92629}], [{2.53856}], [{2.56164}], [{765.105}]
 [{2.69914}], [{3.61818}], [{2.58796}], [{2.84619}], [{1028.32}]

EE20B132

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0358638

Matrix Index 1 = 3, Matrix Index 2 = 1

Parameter No. = 2

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
 [{-0.116542}], [{-0.118093}], [{0.473958}], [{0.286323}], [{10.3125}]
 [{-0.0881991}], [{-0.239814}], [{0.022578}], [{-0.0454711}], [{10.6057}]
 [{0.437657}], [{0.371723}], [{0.416245}], [{0.212679}], [{19.1698}]
 [{0.249929}], [{0.362315}], [{-0.282583}], [{0.2708}], [{13.1305}]
 [{0.666928}], [{0.263584}], [{0.456629}], [{0.821362}], [{24.8098}]
 [{0.804316}], [{-0.249822}], [{0.632069}], [{0.384418}], [{26.0465}]
 [{0.521567}], [{0.57187}], [{0.652202}], [{0.783176}], [{27.3774}]
 [{0.517646}], [{1.47394}], [{0.890293}], [{0.787962}], [{57.1076}]
 [{1.24592}], [{0.0979282}], [{0.9091}], [{0.764677}], [{35.9046}]
 [{1.10591}], [{1.3707}], [{0.9383}], [{0.760071}], [{76.5981}]
 [{1.42251}], [{1.06472}], [{0.916419}], [{1.19719}], [{73.1814}]
 [{0.831643}], [{1.1745}], [{0.700706}], [{1.59353}], [{55.1547}]
 [{1.10017}], [{1.32622}], [{1.75711}], [{0.938882}], [{100.54}]
 [{1.33606}], [{0.873939}], [{0.701623}], [{0.748592}], [{52.1059}]
 [{1.35913}], [{1.36491}], [{1.53931}], [{1.12913}], [{113.755}]
 [{0.952692}], [{1.06748}], [{1.25647}], [{1.41775}], [{67.7448}]
 [{1.15596}], [{1.41242}], [{1.08448}], [{1.36843}], [{93.4018}]
 [{2.2727}], [{1.24939}], [{2.01909}], [{1.58941}], [{186.784}]
 [{1.41343}], [{1.5168}], [{2.01187}], [{1.69875}], [{168.357}]
 [{1.78615}], [{2.14291}], [{2.10605}], [{1.40499}], [{288.807}]
 [{1.97199}], [{1.98401}], [{1.8461}], [{1.57611}], [{260.108}]
 [{1.71615}], [{1.5217}], [{1.92811}], [{2.2909}], [{202.586}]
 [{2.14561}], [{2.00641}], [{1.81134}], [{1.94838}], [{288.564}]

```
[{2.72653}], [{1.52778}], [{1.85858}], [{2.15185}], [{270.669}]
[{2.63964}], [{2.91378}], [{2.25571}], [{2.71042}], [{663.417}]
[{2.34246}], [{2.31902}], [{2.16451}], [{2.05936}], [{411.653}]
[{2.71156}], [{2.4145}], [{3.15843}], [{2.4808}], [{641.34}]
[{2.52522}], [{2.71524}], [{2.79605}], [{2.67281}], [{668.933}]
[{3.01614}], [{2.74694}], [{3.27355}], [{2.66424}], [{843.38}]
[{3.63187}], [{2.68253}], [{3.06481}], [{2.97432}], [{916.869}]
```

EE20B146

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0239217

Matrix Index 1 = 2, Matrix Index 2 = 2

Parameter No. = 4

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.204896}], [{0.0563956}], [{0.00814675}], [{-0.215031}], [{9.0945}]
[{0.199433}], [{0.255678}], [{-0.724129}], [{-0.419027}], [{9.89951}]
[{0.104633}], [{0.619027}], [{0.0227613}], [{0.77973}], [{8.50781}]
[{0.461712}], [{0.708424}], [{0.342896}], [{0.282185}], [{16.4699}]
[{0.365038}], [{0.756205}], [{0.763261}], [{0.989201}], [{21.1649}]
[{0.436013}], [{0.530752}], [{0.519254}], [{0.624931}], [{16.3694}]
[{0.878742}], [{0.622341}], [{0.41233}], [{0.755693}], [{23.4233}]
[{0.245108}], [{1.1443}], [{0.874434}], [{0.851708}], [{25.9401}]
[{0.610803}], [{1.05173}], [{0.189217}], [{1.03758}], [{23.0038}]
[{0.728822}], [{0.830904}], [{1.17599}], [{0.948502}], [{34.1714}]
[{0.902217}], [{1.31056}], [{0.791815}], [{1.18528}], [{50.2053}]
[{1.19012}], [{0.680366}], [{1.12342}], [{0.52629}], [{33.5613}]
[{1.33947}], [{1.17268}], [{1.06234}], [{0.986323}], [{64.9241}]
[{1.60169}], [{1.59747}], [{1.10426}], [{0.951778}], [{100.085}]
[{1.18431}], [{1.37469}], [{1.52141}], [{1.37694}], [{88.7326}]
[{1.13003}], [{1.83023}], [{1.67029}], [{1.48214}], [{126.851}]
[{1.97647}], [{2.2289}], [{1.48179}], [{2.08424}], [{239.958}]
[{1.69962}], [{1.89245}], [{1.58633}], [{1.70862}], [{173.441}]
[{1.38635}], [{1.82867}], [{1.89719}], [{1.62426}], [{158.806}]
[{2.22658}], [{1.93943}], [{1.86726}], [{2.08474}], [{248.499}]
[{2.29695}], [{2.03011}], [{2.02945}], [{2.21267}], [{290.874}]
[{1.83857}], [{1.79238}], [{2.46195}], [{2.52814}], [{258.95}]
[{2.15664}], [{2.58821}], [{2.15384}], [{2.19707}], [{384.217}]
[{2.56215}], [{2.09575}], [{2.35865}], [{2.6328}], [{381.593}]
[{2.03652}], [{3.0101}], [{2.81604}], [{3.06969}], [{584.911}]
[{2.69326}], [{2.9888}], [{2.35448}], [{2.15556}], [{571.156}]
[{2.39367}], [{2.59787}], [{2.61034}], [{2.32024}], [{473.106}]
[{2.90483}], [{3.22559}], [{2.4909}], [{2.79885}], [{734.813}]
[{3.18079}], [{3.28464}], [{2.413}], [{3.43132}], [{837.297}]
[{2.95128}], [{2.68378}], [{2.91104}], [{2.58441}], [{627.153}]]
```

EP18B019

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0423665

Matrix Index 1 = 1, Matrix Index 2 = 5

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{0.355991}], [{0.517653}], [{-0.476324}], [{-0.160147}], [{15.7905}]]
```

```

[{-0.488574}], [{0.564916}], [{-0.00790129}], [{0.220638}], [{5.03914}]
[{-0.0309819}], [{0.261068}], [{-0.109522}], [{-0.306381}], [{11.0858}]
[{-0.224813}], [{0.316859}], [{-0.0210538}], [{0.484478}], [{8.09589}]
[{0.327463}], [{0.895613}], [{0.547139}], [{0.537006}], [{23.6826}]
[{0.670629}], [{0.719115}], [{0.626151}], [{0.328693}], [{26.1822}]
[{0.505267}], [{0.833681}], [{0.715198}], [{0.933679}], [{28.329}]
[{0.780764}], [{0.215943}], [{0.791004}], [{0.867123}], [{25.9475}]
[{0.861165}], [{0.329363}], [{0.50386}], [{0.847582}], [{26.7324}]
[{0.994121}], [{1.22644}], [{0.421536}], [{0.774245}], [{45.2066}]
[{0.608558}], [{1.38021}], [{1.20999}], [{0.636298}], [{54.787}]
[{1.30396}], [{1.42072}], [{1.21222}], [{0.950584}], [{87.9472}]
[{1.3237}], [{1.04975}], [{1.02385}], [{1.40775}], [{66.5191}]
[{1.59414}], [{1.59704}], [{1.98431}], [{1.43402}], [{154.848}]
[{1.2902}], [{1.73445}], [{1.26439}], [{1.15506}], [{113.958}]
[{1.56861}], [{1.59534}], [{1.68178}], [{1.33827}], [{137.511}]
[{1.54187}], [{1.75266}], [{1.72009}], [{2.16056}], [{170.587}]
[{2.00138}], [{1.89944}], [{1.72625}], [{1.63212}], [{211.537}]
[{1.90154}], [{1.9168}], [{1.6644}], [{1.59885}], [{202.151}]
[{1.5116}], [{1.53719}], [{1.50094}], [{1.72282}], [{131.466}]
[{1.84101}], [{1.93686}], [{2.04691}], [{2.50917}], [{249.077}]
[{2.85228}], [{1.67798}], [{2.45125}], [{2.34255}], [{322.16}]
[{1.7271}], [{3.09831}], [{1.94742}], [{2.58546}], [{443.252}]
[{2.59848}], [{2.59342}], [{2.48171}], [{2.52574}], [{505.701}]
[{2.72684}], [{2.34865}], [{2.18763}], [{2.35733}], [{418.025}]
[{2.28248}], [{2.05149}], [{2.53892}], [{2.20769}], [{338.227}]
[{2.63669}], [{2.48349}], [{2.22832}], [{2.69694}], [{459.869}]
[{2.90344}], [{2.4758}], [{2.68229}], [{2.19054}], [{515.096}]
[{2.77463}], [{3.42928}], [{2.49011}], [{2.86507}], [{803.428}]
[{2.90718}], [{2.98808}], [{2.98685}], [{2.8913}], [{756.242}]

```

EP19B015

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0261244

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 1

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{-0.219704}], [{0.0611261}], [{0.531802}], [{-0.0633318}], [{9.74512}]
[{0.734907}], [{0.702616}], [{0.0883205}], [{0.224698}], [{23.3803}]
[{0.156729}], [{0.240088}], [{0.739398}], [{0.219102}], [{15.2828}]
[{0.805815}], [{0.024756}], [{0.140121}], [{0.353329}], [{21.5441}]
[{0.447538}], [{0.20263}], [{0.172243}], [{-0.0335017}], [{17.0566}]
[{0.33772}], [{0.472924}], [{0.456031}], [{0.407903}], [{17.5266}]
[{0.796534}], [{0.320944}], [{0.825157}], [{0.866797}], [{27.6311}]
[{0.720216}], [{1.29339}], [{0.31093}], [{0.418001}], [{35.5882}]
[{1.31755}], [{1.13027}], [{1.0203}], [{0.947064}], [{69.9518}]
[{0.618194}], [{1.56878}], [{0.791291}], [{0.869537}], [{54.6937}]
[{1.36874}], [{1.02792}], [{1.32736}], [{1.21343}], [{82.3664}]
[{1.17933}], [{0.858449}], [{0.787634}], [{0.592206}], [{45.0083}]
[{0.794079}], [{1.30116}], [{1.39038}], [{1.12886}], [{69.8725}]
[{1.74299}], [{1.51693}], [{0.762425}], [{0.980584}], [{99.8025}]
[{1.92687}], [{1.38451}], [{1.70707}], [{1.40524}], [{155.453}]
[{1.07759}], [{1.44146}], [{1.3015}], [{1.63146}], [{97.913}]
[{1.07662}], [{1.67925}], [{1.5738}], [{1.66174}], [{129.013}]

```

[{2.09771}], [{2.08857}], [{1.33769}], [{1.13102}], [{214.501}]
[1.83619], [{1.74154}], [{2.33103}], [{1.61004}], [{234.036}]
[{2.38738}], [{1.5457}], [{2.31255}], [{2.10305}], [{289.988}]
[{1.6721}], [{2.00742}], [{2.01514}], [{2.02758}], [{255.239}]
[{2.2244}], [{2.64329}], [{2.12598}], [{2.14215}], [{446.433}]
[{2.01241}], [{2.37219}], [{2.29834}], [{2.30386}], [{392.38}]
[{2.22049}], [{2.20543}], [{2.71667}], [{2.01795}], [{412.1}]
[{2.88986}], [{3.15217}], [{2.36424}], [{2.15643}], [{718.042}]
[{2.16206}], [{2.12371}], [{2.82447}], [{2.71867}], [{454.023}]
[{2.5193}], [{2.32721}], [{2.45262}], [{3.4043}], [{559.051}]
[{2.51651}], [{3.23873}], [{2.58948}], [{2.58472}], [{751.976}]
[{2.75201}], [{2.99924}], [{3.46851}], [{2.806}], [{900.429}]
[{2.95369}], [{3.18777}], [{3.4342}], [{2.95359}], [{1026.46}]

EP19B019

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0482024

Matrix Index 1 = 3, Matrix Index 2 = 1

Parameter No. = 5

[%{ X1 }], [{ X2 } &], [{ X3 }], [{ X4 } \$], [@{ Y }]
[{-0.505508}], [{0.220651}], [{0.00651597}], [{0.703552}], [{3.57039}]
[{0.122613}], [{0.591238}], [{-0.286101}], [{0.263772}], [{9.35866}]
[{0.493112}], [{0.710919}], [{0.604057}], [{0.395533}], [{18.7984}]
[{0.760639}], [{0.273958}], [{-0.09445}], [{0.61472}], [{15.863}]
[{0.928137}], [{0.19496}], [{0.273724}], [{0.940038}], [{21.7171}]
[{0.24577}], [{0.065923}], [{0.368257}], [{1.07314}], [{13.0377}]
[{0.688013}], [{1.1124}], [{0.695513}], [{0.848411}], [{36.1909}]
[{0.577567}], [{0.480565}], [{1.03736}], [{1.07121}], [{25.9774}]
[{1.36313}], [{1.00856}], [{0.226963}], [{0.64562}], [{42.116}]
[{0.509902}], [{0.840392}], [{1.11003}], [{0.606408}], [{26.4223}]
[{1.79069}], [{1.12866}], [{1.02126}], [{1.29138}], [{85.9336}]
[{1.20871}], [{0.453166}], [{1.15959}], [{1.10215}], [{42.4475}]
[{1.07359}], [{0.469124}], [{1.08986}], [{1.37518}], [{41.6481}]
[{1.71653}], [{1.1242}], [{1.93381}], [{1.44516}], [{117.121}]
[{1.25844}], [{1.31688}], [{0.942479}], [{1.40653}], [{75.6377}]
[{1.68726}], [{1.3792}], [{1.60262}], [{1.49337}], [{124.998}]
[{1.80081}], [{1.56467}], [{1.57942}], [{1.30044}], [{140.474}]
[{1.78158}], [{1.16857}], [{1.55795}], [{1.70576}], [{115.832}]
[{1.34983}], [{2.2294}], [{1.85074}], [{1.68861}], [{210.939}]
[{2.25621}], [{2.2088}], [{1.69464}], [{1.10672}], [{256.402}]
[{1.66726}], [{2.19623}], [{1.55074}], [{1.95313}], [{221.419}]
[{2.66496}], [{1.57773}], [{1.89682}], [{2.02663}], [{242.026}]
[{2.61175}], [{2.01614}], [{1.97137}], [{2.19641}], [{319.873}]
[{1.76959}], [{2.39591}], [{2.3154}], [{2.49815}], [{340.105}]
[{2.48129}], [{2.16636}], [{2.2042}], [{2.40367}], [{366.779}]
[{3.11657}], [{2.34225}], [{2.19456}], [{2.90981}], [{506.293}]
[{2.56526}], [{1.65902}], [{2.32205}], [{2.08649}], [{276.998}]
[{2.23231}], [{2.56387}], [{3.27965}], [{2.99776}], [{571.188}]
[{2.76376}], [{2.39298}], [{2.93147}], [{3.19111}], [{582.46}]
[{2.69497}], [{3.29014}], [{2.75192}], [{3.40105}], [{825.232}]

EP19B029

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0418151
Matrix Index 1 = 2, Matrix Index 2 = 2
Parameter No. = 2

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.60073}}, {{0.36506}}, {{0.25497}}, {{-0.305453}}, {{17.6503}}]
[{{-0.181882}}, {{0.0372164}}, {{0.00399603}}, {{-0.338884}}, {{9.50847}}]
[{{0.208371}}, {{0.119473}}, {{0.497537}}, {{-0.576054}}, {{10.5353}}]
[{{0.606138}}, {{0.200191}}, {{0.0535291}}, {{0.709835}}, {{17.1528}}]
[{{0.526666}}, {{0.13864}}, {{0.0998694}}, {{0.59639}}, {{15.8106}}]
[{{0.757051}}, {{0.74925}}, {{0.918748}}, {{0.513636}}, {{30.1066}}]
[{{0.441185}}, {{0.5405}}, {{0.15503}}, {{0.0743214}}, {{17.5841}}]
[{{0.738289}}, {{0.551618}}, {{0.330109}}, {{1.06764}}, {{22.4384}}]
[{{0.946488}}, {{0.378554}}, {{0.646848}}, {{0.439031}}, {{24.8811}}]
[{{0.537309}}, {{1.42748}}, {{1.04209}}, {{1.222}}, {{53.9292}}]
[{{1.13739}}, {{0.715575}}, {{0.708227}}, {{0.676027}}, {{36.988}}]
[{{0.819358}}, {{0.900778}}, {{1.62152}}, {{1.1355}}, {{52.7691}}]
[{{0.883209}}, {{1.63477}}, {{1.81358}}, {{1.0047}}, {{108.055}}]
[{{1.29263}}, {{1.14198}}, {{1.44196}}, {{0.773583}}, {{75.1657}}]
[{{1.26055}}, {{1.25696}}, {{1.30217}}, {{1.0719}}, {{80.653}}]
[{{2.29862}}, {{1.24409}}, {{1.97572}}, {{1.33363}}, {{162.671}}]
[{{1.37117}}, {{1.46733}}, {{1.1919}}, {{2.42359}}, {{119.205}}]
[{{1.43016}}, {{2.22731}}, {{1.84807}}, {{1.23012}}, {{218.652}}]
[{{1.97866}}, {{2.21001}}, {{2.22861}}, {{2.45741}}, {{347.683}}]
[{{2.52967}}, {{1.7328}}, {{1.6309}}, {{2.1121}}, {{250.506}}]
[{{1.80719}}, {{1.38972}}, {{1.75581}}, {{1.94911}}, {{163.194}}]
[{{1.87335}}, {{2.32054}}, {{2.39409}}, {{1.63917}}, {{335.929}}]
[{{2.35749}}, {{2.1486}}, {{2.46735}}, {{2.72669}}, {{423.019}}]
[{{1.97005}}, {{2.21788}}, {{2.22194}}, {{2.19635}}, {{335.797}}]
[{{2.5049}}, {{2.2983}}, {{2.11946}}, {{2.53908}}, {{417.267}}]
[{{2.74853}}, {{2.49038}}, {{2.32287}}, {{2.74766}}, {{532.702}}]
[{{2.84819}}, {{2.25935}}, {{2.9141}}, {{2.95511}}, {{586.766}}]
[{{2.41131}}, {{3.55441}}, {{2.49102}}, {{2.59604}}, {{810.303}}]
[{{2.69139}}, {{2.27127}}, {{2.72542}}, {{2.35954}}, {{496.497}}]
[{{3.43547}}, {{2.5281}}, {{2.80998}}, {{3.31309}}, {{776.02}}]
```

EP20B014

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0264353
Matrix Index 1 = 2, Matrix Index 2 = 1
Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.430645}}, {{0.164356}}, {{0.169072}}, {{-0.176911}}, {{11.793}}]
[{{-0.919061}}, {{0.363276}}, {{-0.0474303}}, {{0.0812011}}, {{-3.70886}}]
[{{0.195878}}, {{-0.0264905}}, {{0.454319}}, {{0.0846444}}, {{10.4965}}]
[{{0.153319}}, {{0.430815}}, {{0.31437}}, {{-0.33525}}, {{9.69936}}]
[{{-0.267416}}, {{0.897106}}, {{0.594109}}, {{0.45458}}, {{6.74541}}]
[{{0.372008}}, {{0.323502}}, {{0.661911}}, {{0.71612}}, {{16.4832}}]
[{{0.0463945}}, {{1.05641}}, {{0.419138}}, {{0.157412}}, {{14.4086}}]
[{{1.23769}}, {{0.417966}}, {{0.635515}}, {{0.33367}}, {{28.1877}}]
[{{1.00095}}, {{0.492792}}, {{0.883616}}, {{1.05572}}, {{34.9736}}]
[{{0.384342}}, {{0.445976}}, {{1.03229}}, {{1.09399}}, {{21.8217}}]
[{{1.12436}}, {{1.29377}}, {{1.30154}}, {{0.893996}}, {{75.0441}}]
```

[{1.19498}], [{1.55106}], [{0.958946}], [{0.995022}], [{84.2617}]
[0.841861}], [{0.874373}], [{0.992219}], [{1.19778}], [{41.2587}]
[{1.05209}], [{0.890679}], [{1.40225}], [{0.646767}], [{48.1019}]
[{1.18492}], [{1.23687}], [{1.92784}], [{1.46821}], [{105.709}]
[{1.59636}], [{1.225}], [{1.73658}], [{1.59814}], [{122.13}]
[{1.90649}], [{1.68214}], [{2.25507}], [{1.83729}], [{229.6}]
[{1.62433}], [{1.34783}], [{1.71805}], [{1.54287}], [{133.654}]
[{1.28442}], [{1.69796}], [{2.04567}], [{1.39196}], [{155.874}]
[{1.72676}], [{1.26508}], [{1.92978}], [{2.17627}], [{163.062}]
[{2.16585}], [{2.16282}], [{2.43948}], [{1.89846}], [{348.485}]
[{2.26172}], [{2.61945}], [{1.82613}], [{2.48642}], [{409.63}]
[{1.84798}], [{2.46565}], [{2.96377}], [{2.06373}], [{436.813}]
[{2.10367}], [{2.90866}], [{2.10372}], [{2.07651}], [{472.295}]
[{2.43002}], [{2.54953}], [{2.7278}], [{2.61507}], [{545.94}]
[{2.63017}], [{2.42418}], [{2.65242}], [{2.45724}], [{523.364}]
[{2.00506}], [{2.68996}], [{2.57553}], [{2.68838}], [{502.794}]
[{2.56739}], [{3.06126}], [{2.81759}], [{2.4752}], [{715.017}]
[{2.74688}], [{2.76967}], [{3.21571}], [{2.44844}], [{715.974}]
[{3.06904}], [{3.40391}], [{3.22714}], [{2.55261}], [{1016.64}]

EP20B016

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0444438

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 2

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{0.0587139}], [{0.00377426}], [{-0.0437368}], [{0.297354}], [{11.4438}]
[{0.222918}], [{0.296464}], [{0.318066}], [{-0.30068}], [{13.476}]
[{0.431647}], [{0.270714}], [{0.329288}], [{0.378542}], [{15.6132}]
[{0.376439}], [{0.318726}], [{0.244731}], [{0.0863208}], [{17.8079}]
[{0.540259}], [{0.297617}], [{1.34524}], [{0.586594}], [{21.3114}]
[{0.698299}], [{0.570605}], [{-0.17537}], [{0.404782}], [{20.243}]
[{0.268222}], [{0.89325}], [{0.677695}], [{0.128392}], [{20.366}]
[{0.442966}], [{1.23148}], [{0.512579}], [{0.835036}], [{30.3367}]
[{0.622853}], [{0.784901}], [{0.969301}], [{0.552203}], [{26.5072}]
[{1.28778}], [{0.996348}], [{0.915216}], [{0.273942}], [{44.1325}]
[{1.14124}], [{1.42704}], [{0.555401}], [{0.796781}], [{54.4121}]
[{1.12094}], [{0.969659}], [{1.21562}], [{1.12434}], [{52.1094}]
[{1.02336}], [{0.964975}], [{1.6932}], [{1.34492}], [{60.2279}]
[{1.34067}], [{1.89612}], [{1.86494}], [{0.978316}], [{136.794}]
[{1.20033}], [{1.64209}], [{1.54217}], [{1.51596}], [{103.017}]
[{1.68456}], [{1.41343}], [{1.13414}], [{2.0634}], [{104.663}]
[{1.39644}], [{1.89775}], [{1.60183}], [{1.68309}], [{140.47}]
[{1.54549}], [{1.80665}], [{1.60752}], [{0.894937}], [{124.846}]
[{2.28166}], [{1.75365}], [{1.81993}], [{2.49824}], [{216.039}]
[{1.74224}], [{1.77974}], [{1.94792}], [{2.02958}], [{175.762}]
[{2.03334}], [{2.3498}], [{2.177}], [{1.74822}], [{275.886}]
[{2.3857}], [{2.08475}], [{1.35563}], [{1.87124}], [{208.287}]
[{2.15408}], [{2.393}], [{2.12266}], [{2.14341}], [{302.035}]
[{1.84656}], [{2.51528}], [{2.09497}], [{2.82837}], [{312.312}]
[{2.46055}], [{2.47174}], [{2.51929}], [{2.61336}], [{402.959}]
[{2.36951}], [{2.73511}], [{1.69696}], [{2.34696}], [{342.828}]
[{2.44246}], [{3.25879}], [{2.19567}], [{2.25878}], [{515.85}]

```
[{3.03735}], [{2.59908}], [{2.58531}], [{2.64714}], [{501.799}]
[{3.23868}], [{2.84266}], [{3.15762}], [{3.14137}], [{701.283}]
[{3.12212}], [{2.25925}], [{2.18841}], [{3.32565}], [{432.139}]
```

EP20B020

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0150554

Matrix Index 1 = 4, Matrix Index 2 = 4

Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.550298}], [{-0.01622}], [{0.17856}], [{0.175441}], [{6.04336}]
[{{0.204318}}, [{-0.0391492}], [{0.341646}], [{0.268173}], [{13.7955}]
[{{-0.0816575}}, [{0.809508}], [{0.0867197}], [{0.522141}], [{12.1938}]
[{{0.0554193}}, [{0.193958}], [{0.349106}], [{0.316089}], [{13.7729}]
[{{0.646116}}, [{-0.0560365}], [{0.565143}], [{0.118353}], [{17.7826}]
[{{0.299674}}, [{0.985623}], [{0.399673}], [{0.0324481}], [{21.0811}]
[{{0.659407}}, [{0.294009}], [{0.704017}], [{0.835487}], [{25.0682}]
[{{0.726798}}, [{1.04834}], [{0.75817}], [{0.430248}], [{31.8221}]
[{{1.00614}}, [{0.760108}], [{1.15529}], [{0.180216}], [{31.5393}]
[{{0.83199}}, [{0.908268}], [{1.22594}], [{1.58248}], [{49.7215}]
[{{1.00167}}, [{0.790094}], [{0.606176}], [{0.76925}], [{33.3092}]
[{{1.04799}}, [{0.365095}], [{0.727006}], [{1.20599}], [{33.6305}]
[{{1.06622}}, [{0.910178}], [{0.968855}], [{1.00006}], [{44.8473}]
[{{1.92804}}, [{0.473927}], [{1.14098}], [{1.34566}], [{65.2341}]
[{{1.72382}}, [{1.3664}], [{1.29292}], [{1.29325}], [{102.15}]
[{{1.8043}}, [{1.73505}], [{1.83123}], [{1.27967}], [{155.731}]
[{{1.31204}}, [{2.25738}], [{0.997683}], [{1.43882}], [{133.403}]
[{{2.14824}}, [{1.1366}], [{1.81952}], [{1.45657}], [{132.409}]
[{{1.75149}}, [{2.26712}], [{1.46564}], [{1.694}], [{203.168}]
[{{1.2193}}, [{1.98585}], [{1.85038}], [{1.97381}], [{161.889}]
[{{2.57832}}, [{2.1243}], [{1.96982}], [{2.40397}], [{327.355}]
[{{2.288}}, [{2.11373}], [{2.11127}], [{2.21149}], [{300.321}]
[{{2.36784}}, [{2.3254}], [{2.08767}], [{2.14516}], [{333.045}]
[{{2.47098}}, [{2.22268}], [{2.35491}], [{2.52852}], [{378.261}]
[{{1.9752}}, [{2.42346}], [{2.08553}], [{2.47914}], [{322.189}]
[{{2.35469}}, [{2.3416}], [{2.84995}], [{2.85806}], [{462.064}]
[{{2.54865}}, [{2.56805}], [{2.62394}], [{2.73776}], [{496.583}]
[{{3.03661}}, [{2.58553}], [{2.07004}], [{2.7854}], [{498.583}]
[{{2.6026}}, [{2.42475}], [{2.84915}], [{2.95939}], [{520.213}]
[{{2.6491}}, [{3.03143}], [{3.28705}], [{2.65235}], [{701.516}]
```

EP20B026

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0277726

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.32565}], [{-0.417438}], [{0.56569}], [{0.542331}], [{7.27115}]
[{{0.0145778}}, [{-0.120783}], [{0.207785}], [{0.164199}], [{11.274}]
[{{0.769102}}, [{0.528073}], [{0.0476225}], [{0.105246}], [{20.4924}]
[{{0.215976}}, [{0.845476}], [{0.271505}], [{0.494597}], [{18.304}]
[{{0.168966}}, [{0.473623}], [{0.511444}], [{-0.088898}], [{13.7391}]
```

[{0.230455}], [{0.340088}], [{0.476716}], [{1.01473}], [{15.4187}]
[0.807064], [{1.36938}], [{0.762897}], [{0.486298}], [{53.3432}]
[{0.443543}], [{0.477851}], [{0.80707}], [{0.230236}], [{19.3965}]
[{1.01922}], [{0.885134}], [{0.699796}], [{0.990557}], [{43.9846}]
[{1.03159}], [{1.58082}], [{0.843155}], [{0.86406}], [{80.9608}]
[{1.3475}], [{0.904348}], [{0.931541}], [{1.19736}], [{62.0965}]
[{1.13044}], [{1.20183}], [{0.922538}], [{1.21609}], [{69.4855}]
[{0.461908}], [{1.36466}], [{1.5969}], [{1.30023}], [{72.4138}]
[{1.21832}], [{1.08145}], [{0.799713}], [{1.26973}], [{61.7414}]
[{1.57472}], [{1.76366}], [{1.3661}], [{1.18561}], [{154.597}]
[{1.39724}], [{1.23096}], [{1.7489}], [{1.70385}], [{125.945}]
[{1.75615}], [{1.48425}], [{1.34067}], [{1.44349}], [{138.544}]
[{2.02283}], [{1.41952}], [{1.33326}], [{1.96591}], [{164.134}]
[{2.14513}], [{1.42968}], [{2.23447}], [{1.93971}], [{236.576}]
[{1.40243}], [{1.99144}], [{2.25279}], [{2.05244}], [{262.465}]
[{2.21369}], [{1.56287}], [{2.47976}], [{2.21633}], [{297.908}]
[{1.94778}], [{2.45761}], [{2.38869}], [{1.88351}], [{422.65}]
[{1.73855}], [{2.41059}], [{1.65412}], [{1.84012}], [{302.593}]
[{2.09622}], [{1.73759}], [{2.22034}], [{2.03644}], [{281.896}]
[{2.85752}], [{2.12262}], [{2.0229}], [{2.15178}], [{415.881}]
[{2.40509}], [{2.17334}], [{2.31298}], [{2.67449}], [{447.114}]
[{2.56463}], [{2.54751}], [{1.92979}], [{3.00681}], [{516.304}]
[{3.10511}], [{3.12921}], [{2.24209}], [{2.76052}], [{818.206}]
[{2.28569}], [{3.12151}], [{3.12151}], [{3.62732}], [{921.997}]
[{2.70629}], [{2.82945}], [{3.26342}], [{3.05941}], [{876.575}]

EP20B039

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.014956

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 3

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[-0.123136], [{0.192423}], [{-0.050634}], [{-0.288693}], [{9.59218}]
[0.77476], [{0.185889}], [{-0.136639}], [{-0.095295}], [{21.088}]
[{0.550707}], [{0.638338}], [{0.190787}], [{0.177445}], [{22.0509}]
[{0.108686}], [{0.791594}], [{0.0945633}], [{0.584066}], [{11.3721}]
[{0.140066}], [{0.31997}], [{0.0360449}], [{0.845551}], [{12.1352}]
[{0.596747}], [{0.265555}], [{0.235551}], [{0.805717}], [{20.3854}]
[{0.133425}], [{0.445281}], [{0.688947}], [{0.792543}], [{15.5675}]
[{0.460408}], [{0.841429}], [{0.938439}], [{1.18259}], [{30.8544}]
[{1.0945}], [{0.661179}], [{0.705348}], [{0.822329}], [{38.3529}]
[{0.88149}], [{0.87246}], [{0.896047}], [{1.27098}], [{48.6186}]
[{0.935772}], [{0.942846}], [{1.61137}], [{1.09968}], [{63.9741}]
[{1.60403}], [{1.33063}], [{1.1725}], [{1.03411}], [{103.165}]
[{0.960582}], [{1.23306}], [{1.16965}], [{1.15575}], [{71.0046}]
[{1.30615}], [{1.19031}], [{1.34567}], [{1.61613}], [{99.5011}]
[{0.886805}], [{1.20646}], [{1.10704}], [{1.39907}], [{66.8216}]
[{2.01157}], [{1.74834}], [{1.92575}], [{1.56761}], [{231.681}]
[{1.25692}], [{1.8163}], [{1.24456}], [{1.62992}], [{141.527}]
[{1.78993}], [{2.07952}], [{1.50708}], [{1.91998}], [{240.797}]
[{1.46437}], [{1.96252}], [{2.04599}], [{2.02158}], [{239.955}]
[{2.15139}], [{2.32243}], [{1.60602}], [{1.75351}], [{315.692}]
[{1.73727}], [{2.12969}], [{2.12613}], [{2.18762}], [{307.815}]]

```
[{2.40353}], [{2.05517}], [{1.85119}], [{1.73228}], [{314.449}]
[{2.0621}], [{2.23465}], [{1.92702}], [{1.65643}], [{317.55}]
[{1.62212}], [{1.81751}], [{2.6479}], [{1.9797}], [{274.816}]
[{2.27505}], [{1.98869}], [{2.62878}], [{3.10793}], [{460.8}]
[{2.96461}], [{2.55569}], [{2.57238}], [{2.69003}], [{662.48}]
[{2.29528}], [{2.00323}], [{2.77074}], [{2.24098}], [{416.55}]
[{2.63795}], [{2.62971}], [{3.0824}], [{2.9021}], [{730.468}]
[{3.05662}], [{2.8268}], [{2.73065}], [{2.67019}], [{788.047}]
[{2.68339}], [{2.87654}], [{2.2563}], [{3.30568}], [{701.537}]
```

EP20B041

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0313996

Matrix Index 1 = 4, Matrix Index 2 = 3

Parameter No. = 3

```
[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{-0.0283023}], [{0.0508706}], [{0.159522}], [{-0.317364}], [{8.70244}]
[{0.299544}], [{-0.149381}], [{0.0381172}], [{0.556482}], [{11.6886}]
[{-0.236845}], [{-0.195018}], [{-0.143962}], [{0.48628}], [{6.17822}]
[{0.631918}], [{0.084155}], [{0.184016}], [{0.106522}], [{15.5005}]
[{0.717023}], [{0.494761}], [{0.476478}], [{1.20124}], [{24.8893}]
[{0.291018}], [{0.319724}], [{0.116183}], [{0.391976}], [{13.9899}]
[{0.136194}], [{0.525733}], [{0.770792}], [{0.577434}], [{15.1371}]
[{1.24743}], [{0.721213}], [{0.880414}], [{0.740744}], [{42.596}]
[{0.52156}], [{1.25976}], [{1.53072}], [{0.863032}], [{54.6389}]
[{0.612986}], [{0.820757}], [{0.282334}], [{0.669441}], [{22.8982}]
[{0.85257}], [{0.852552}], [{1.04725}], [{1.11954}], [{41.607}]
[{0.905246}], [{0.992019}], [{1.43439}], [{1.16047}], [{59.1036}]
[{1.03792}], [{1.06475}], [{1.09473}], [{1.42012}], [{61.3175}]
[{1.40263}], [{1.83142}], [{1.41958}], [{1.00043}], [{143.874}]
[{1.23856}], [{1.20831}], [{1.93767}], [{1.48178}], [{106.715}]
[{1.74192}], [{1.26544}], [{1.94342}], [{1.58097}], [{145.809}]
[{1.47017}], [{0.9744488}], [{1.17447}], [{1.30176}], [{75.4713}]
[{1.83885}], [{2.11346}], [{1.66634}], [{1.68769}], [{246.529}]
[{1.95345}], [{1.50778}], [{1.62424}], [{1.82348}], [{178.975}]
[{2.13073}], [{2.30044}], [{1.97031}], [{1.59621}], [{331.811}]
[{2.11505}], [{1.84394}], [{2.12091}], [{1.51475}], [{254.583}]
[{2.49494}], [{1.89992}], [{2.32647}], [{1.81195}], [{329.603}]
[{2.32428}], [{2.39929}], [{2.58445}], [{2.2014}], [{470.103}]
[{2.30928}], [{2.03182}], [{2.33997}], [{2.09588}], [{354.577}]
[{2.7329}], [{2.86783}], [{2.14065}], [{2.16423}], [{598.15}]
[{2.42283}], [{1.69685}], [{2.16992}], [{2.91227}], [{337.198}]
[{2.64677}], [{2.2205}], [{2.69096}], [{2.58697}], [{508.917}]
[{3.31092}], [{2.26797}], [{2.29825}], [{2.70693}], [{571.301}]
[{2.94711}], [{2.52093}], [{2.51571}], [{2.63616}], [{616.252}]
[{2.46359}], [{3.03585}], [{3.37564}], [{3.54624}], [{907.757}]
```

EP20B043

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0369481

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 5

```

[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.263391}], [{0.173712}], [{0.0673641}], [{0.107313}], [{7.80613}]
[{-0.057084}], [{0.318948}], [{-0.14238}], [{0.16171}], [{9.12525}]
[{-0.267037}], [{-0.140037}], [{-0.051367}], [{0.38937}], [{8.12599}]
[{0.273282}], [{0.380706}], [{0.234839}], [{0.371384}], [{13.2357}]
[{-0.01418}], [{0.414978}], [{0.542091}], [{0.380432}], [{7.75798}]
[{0.975823}], [{0.631615}], [{0.652594}], [{0.622908}], [{27.1356}]
[{1.05086}], [{0.461301}], [{0.83529}], [{1.10486}], [{31.3131}]
[{1.34563}], [{0.44434}], [{0.790968}], [{1.2526}], [{35.7911}]
[{1.41652}], [{1.41858}], [{0.68366}], [{0.982416}], [{69.4848}]
[{0.903929}], [{0.993098}], [{1.41681}], [{0.220955}], [{40.6903}]
[{0.828963}], [{1.01753}], [{0.88566}], [{1.23947}], [{40.5973}]
[{1.44546}], [{0.786485}], [{1.25282}], [{1.19737}], [{56.5786}]
[{1.07151}], [{0.827165}], [{1.35811}], [{1.30137}], [{48.2768}]
[{1.22886}], [{1.70186}], [{1.83952}], [{0.956195}], [{118.138}]
[{0.798265}], [{1.55818}], [{1.45425}], [{1.44814}], [{79.7591}]
[{1.24}], [{1.81883}], [{1.18066}], [{2.08217}], [{117.401}]
[{1.92975}], [{1.15979}], [{1.37676}], [{1.64977}], [{103.449}]
[{1.36706}], [{1.94876}], [{2.16524}], [{1.83341}], [{186.05}]
[{1.97746}], [{1.40029}], [{2.01367}], [{1.7659}], [{152.561}]
[{1.54888}], [{2.18123}], [{2.01166}], [{1.63187}], [{217.756}]
[{1.81424}], [{2.14105}], [{2.56336}], [{1.93511}], [{276.651}]
[{2.01116}], [{1.83283}], [{2.01273}], [{2.29654}], [{221.725}]
[{2.55996}], [{2.27405}], [{2.40774}], [{2.15883}], [{369.418}]
[{2.75104}], [{1.85083}], [{2.7878}], [{2.35535}], [{344.425}]
[{2.11151}], [{2.2509}], [{2.27155}], [{2.40837}], [{318.046}]
[{2.75942}], [{2.04784}], [{2.51067}], [{2.36681}], [{359.94}]
[{2.39803}], [{2.49658}], [{2.87664}], [{2.88632}], [{481.447}]
[{2.87642}], [{2.24326}], [{2.53893}], [{2.30404}], [{414.363}]
[{2.71954}], [{2.46647}], [{2.05057}], [{2.53565}], [{411.725}]
[{2.28854}], [{2.87494}], [{2.94742}], [{3.19869}], [{585.765}]

```

ME17B128

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0412389

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 2

```

[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.0848681}], [{-0.0320977}], [{-0.0677165}], [{-0.398494}], [{13.2576}]
[{0.259307}], [{-0.14049}], [{0.333696}], [{-0.242019}], [{13.2829}]
[{0.724979}], [{-0.307351}], [{0.184325}], [{-0.014176}], [{20.7728}]
[{0.251576}], [{0.410725}], [{0.518641}], [{0.732497}], [{16.1618}]
[{0.829601}], [{0.236227}], [{0.0359073}], [{-0.283619}], [{21.0313}]
[{0.593835}], [{0.288357}], [{0.109282}], [{0.717822}], [{17.9119}]
[{0.782806}], [{0.39211}], [{0.466394}], [{1.25587}], [{26.1645}]
[{0.924501}], [{0.339804}], [{0.519084}], [{0.635225}], [{28.5098}]
[{1.39221}], [{0.849098}], [{0.426968}], [{0.46655}], [{44.0899}]
[{1.09527}], [{1.17157}], [{0.490097}], [{0.48132}], [{50.3695}]
[{1.07485}], [{0.879574}], [{1.23701}], [{1.00569}], [{58.6473}]
[{0.525329}], [{0.774948}], [{1.38054}], [{0.951543}], [{37.3604}]
[{1.1105}], [{1.17801}], [{1.14082}], [{1.09994}], [{71.8519}]
[{0.55363}], [{1.76938}], [{1.5204}], [{1.13484}], [{96.3952}]
[{1.23315}], [{1.31668}], [{1.10358}], [{1.27169}], [{87.2172}]

```

```

[{\{1.62461\}}, {\{1.42053\}}, {\{1.00533\}}, {\{1.60498\}}, {\{117.765\}}]
[{\{1.28092\}}, {\{1.27163\}}, {\{1.52551\}}, {\{1.48698\}}, {\{105.776\}}]
[{\{1.75847\}}, {\{1.53379\}}, {\{1.91673\}}, {\{1.97985\}}, {\{191.218\}}]
[{\{2.57777\}}, {\{1.80132\}}, {\{2.15821\}}, {\{1.69196\}}, {\{306.457\}}]
[{\{2.53286\}}, {\{2.09603\}}, {\{2.03613\}}, {\{1.85318\}}, {\{362.603\}}]
[{\{1.97473\}}, {\{2.07655\}}, {\{1.72077\}}, {\{2.49359\}}, {\{299.057\}}]
[{\{2.567\}}, {\{2.26759\}}, {\{2.51177\}}, {\{2.22335\}}, {\{477.281\}}]
[{\{1.81052\}}, {\{1.94035\}}, {\{2.04336\}}, {\{2.35414\}}, {\{278.189\}}]
[{\{2.20246\}}, {\{2.71411\}}, {\{2.4602\}}, {\{2.59018\}}, {\{562.093\}}]
[{\{2.70942\}}, {\{1.9944\}}, {\{2.54934\}}, {\{2.61681\}}, {\{455.328\}}]
[{\{1.8627\}}, {\{2.10808\}}, {\{2.34081\}}, {\{2.76966\}}, {\{357.594\}}]
[{\{2.79023\}}, {\{2.29563\}}, {\{2.98037\}}, {\{2.53227\}}, {\{591.886\}}]
[{\{3.01975\}}, {\{3.05612\}}, {\{2.38285\}}, {\{2.78525\}}, {\{822.834\}}]
[{\{3.51568\}}, {\{2.66556\}}, {\{2.96468\}}, {\{2.53714\}}, {\{838.094\}}]
[{\{2.7749\}}, {\{3.3258\}}, {\{3.03862\}}, {\{3.01869\}}, {\{1020.16\}}]

```

ME18B107

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0321561

Matrix Index 1 = 2, Matrix Index 2 = 4

Parameter No. = 4

```

[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.306187}], [{ -0.0850903}], [{ 0.195676}], [{ 0.272748}], [{ 7.40846}]
[{\{0.323168\}}, {\{0.495649\}}, {\{-0.625719\}}, {\{0.29318\}}, {\{14.1026\}}]
[{\{0.149404\}}, {\{0.809991\}}, {\{0.42939\}}, {\{0.160538\}}, {\{16.5227\}}]
[{\{0.702967\}}, {\{0.222299\}}, {\{0.388426\}}, {\{0.0437715\}}, {\{20.1355\}}]
[{\{0.30115\}}, {\{0.345733\}}, {\{0.0194497\}}, {\{0.311834\}}, {\{15.8652\}}]
[{\{0.915702\}}, {\{0.640831\}}, {\{0.736868\}}, {\{0.283247\}}, {\{31.3164\}}]
[{\{0.853487\}}, {\{0.217462\}}, {\{1.01035\}}, {\{0.71415\}}, {\{28.6745\}}]
[{\{0.824066\}}, {\{0.836908\}}, {\{0.600621\}}, {\{1.15001\}}, {\{39.2244\}}]
[{\{1.11569\}}, {\{0.658973\}}, {\{0.656278\}}, {\{0.654172\}}, {\{37.6858\}}]
[{\{0.803326\}}, {\{0.860536\}}, {\{1.11664\}}, {\{1.21675\}}, {\{46.3668\}}]
[{\{1.24349\}}, {\{0.77701\}}, {\{1.23887\}}, {\{0.898641\}}, {\{57.6272\}}]
[{\{1.17123\}}, {\{1.86261\}}, {\{1.12768\}}, {\{1.03283\}}, {\{124.954\}}]
[{\{1.314\}}, {\{1.25872\}}, {\{0.926286\}}, {\{0.957902\}}, {\{77.4478\}}]
[{\{1.41255\}}, {\{1.09903\}}, {\{1.14277\}}, {\{0.943997\}}, {\{77.3937\}}]
[{\{0.697529\}}, {\{1.32661\}}, {\{1.30294\}}, {\{1.14954\}}, {\{69.0382\}}]
[{\{1.64471\}}, {\{1.71859\}}, {\{1.37647\}}, {\{1.8559\}}, {\{176.391\}}]
[{\{1.70439\}}, {\{1.47337\}}, {\{1.16684\}}, {\{1.18015\}}, {\{125.166\}}]
[{\{1.11962\}}, {\{1.74086\}}, {\{2.25055\}}, {\{1.45369\}}, {\{172.112\}}]
[{\{1.97501\}}, {\{1.78822\}}, {\{1.7701\}}, {\{1.84407\}}, {\{239.373\}}]
[{\{2.01859\}}, {\{1.73825\}}, {\{1.72657\}}, {\{2.10632\}}, {\{242.415\}}]
[{\{1.8207\}}, {\{1.92211\}}, {\{1.55224\}}, {\{1.52692\}}, {\{216.794\}}]
[{\{1.96361\}}, {\{2.26403\}}, {\{1.96286\}}, {\{1.87665\}}, {\{332.428\}}]
[{\{2.5546\}}, {\{2.11317\}}, {\{1.89706\}}, {\{1.62756\}}, {\{347.954\}}]
[{\{1.5251\}}, {\{2.01881\}}, {\{2.32045\}}, {\{1.72278\}}, {\{263.689\}}]
[{\{2.47659\}}, {\{2.0944\}}, {\{2.44916\}}, {\{2.18319\}}, {\{427.497\}}]
[{\{2.84686\}}, {\{2.76076\}}, {\{2.34042\}}, {\{2.35692\}}, {\{654.189\}}]
[{\{2.4943\}}, {\{2.91326\}}, {\{2.62133\}}, {\{2.48495\}}, {\{691.494\}}]
[{\{2.94809\}}, {\{2.76958\}}, {\{2.29416\}}, {\{2.57721\}}, {\{683.778\}}]
[{\{2.3701\}}, {\{2.92732\}}, {\{2.98745\}}, {\{2.32324\}}, {\{714.981\}}]
[{\{2.44791\}}, {\{3.17243\}}, {\{2.49599\}}, {\{2.81348\}}, {\{770.094\}}]

```

ME18B111

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0419573

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 2

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.105735}],[{-0.268332}],[{-0.03223}],[{-0.208924}],[{13.55}]
[{-0.118293}],[{-0.286523}],[{0.377459}],[{0.633124}],[{13.9495}]
[{-0.132498}],[{0.481816}],[{-0.106699}],[{0.0887083}],[{13.8542}]
[{-0.440511}],[{0.396102}],[{0.519486}],[{-0.148391}],[{17.9729}]
[{-0.750118}],[{0.503836}],[{0.472082}],[{0.496677}],[{25.8667}]
[{-0.505602}],[{0.691979}],[{0.307871}],[{0.647641}],[{21.9932}]
[{-0.798317}],[{0.658491}],[{-0.139987}],[{1.13653}],[{21.6644}]
[{-0.488939}],[{0.890604}],[{0.975963}],[{0.764474}],[{33.6755}]
[{-1.04984}],[{0.727996}],[{0.954399}],[{0.82359}],[{41.3493}]
[{-0.633094}],[{0.820871}],[{0.50651}],[{1.17222}],[{30.7298}]
[{-1.15788}],[{1.27209}],[{0.77621}],[{1.0908}],[{68.4577}]
[{-1.42973}],[{0.632763}],[{1.29289}],[{0.976068}],[{55.0015}]
[{-1.33682}],[{1.085}],[{1.39793}],[{1.02733}],[{79.4547}]
[{-1.02558}],[{1.08049}],[{1.05097}],[{1.27382}],[{63.0759}]
[{-1.34743}],[{1.49069}],[{1.72511}],[{0.896592}],[{126.822}]
[{-0.859571}],[{1.26258}],[{1.24942}],[{1.15676}],[{71.8047}]
[{-1.13262}],[{1.2568}],[{0.989436}],[{1.88543}],[{82.1469}]
[{-1.69042}],[{1.76869}],[{1.52983}],[{2.1749}],[{197.266}]
[{-1.56753}],[{1.77515}],[{1.77074}],[{1.99885}],[{203.11}]
[{-1.61162}],[{1.42878}],[{2.33539}],[{1.51065}],[{176.494}]
[{-1.84528}],[{1.98168}],[{2.2078}],[{2.01328}],[{294.632}]
[{-2.07767}],[{2.25493}],[{2.54033}],[{2.1294}],[{416.074}]
[{-2.21851}],[{2.10924}],[{1.9349}],[{2.00685}],[{327.525}]
[{-2.11084}],[{2.14088}],[{1.89825}],[{2.53872}],[{338.841}]
[{-1.80406}],[{2.37792}],[{2.31683}],[{2.57397}],[{406.007}]
[{-2.53053}],[{2.28346}],[{2.6511}],[{2.70735}],[{516.981}]
[{-2.61207}],[{2.63278}],[{2.4122}],[{2.38338}],[{581.273}]
[{-2.58949}],[{2.81011}],[{2.74433}],[{2.5365}],[{698.425}]
[{-2.86082}],[{2.52733}],[{3.38362}],[{2.8032}],[{757.994}]
[{-2.76998}],[{2.52156}],[{2.97184}],[{2.7207}],[{671.493}]
```

ME19B006

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0327963

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 3

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.259636}],[{-0.321114}],[{-0.20388}],[{-0.5002}],[{4.91424}]
[{-0.0177658}],[{0.294382}],[{0.195255}],[{0.381736}],[{8.88421}]
[{-0.136035}],[{0.0331545}],[{0.140903}],[{0.887273}],[{8.31598}]
[{-0.446726}],[{0.829902}],[{-0.265532}],[{-0.14999}],[{13.0005}]
[{-0.508777}],[{0.520631}],[{0.796481}],[{0.623166}],[{18.4711}]
[{-0.734679}],[{0.272418}],[{0.566948}],[{0.452922}],[{19.8866}]
[{-0.53184}],[{0.582276}],[{0.354217}],[{0.542104}],[{16.1345}]
[{-1.66737}],[{0.292799}],[{0.998788}],[{0.394936}],[{31.5719}]
[{-0.957429}],[{0.660422}],[{0.372845}],[{1.05664}],[{26.8278}]
```

[{1.01137}], [{0.319744}], [{0.807032}], [{1.05373}], [{26.6068}]
[{0.104612}], [{1.07661}], [{0.933453}], [{1.34604}], [{22.4119}]
[{0.989419}], [{1.17347}], [{1.35443}], [{1.10094}], [{59.837}]
[{1.48145}], [{1.99012}], [{1.38642}], [{1.11822}], [{146.225}]
[{1.57292}], [{1.16456}], [{1.40355}], [{0.537743}], [{69.8314}]
[{1.23206}], [{1.02046}], [{1.45458}], [{1.52259}], [{63.1684}]
[{0.928693}], [{1.66811}], [{1.75506}], [{0.619191}], [{96.5958}]
[{1.3749}], [{1.91454}], [{1.33739}], [{1.38741}], [{131.692}]
[{1.78359}], [{1.7119}], [{1.76672}], [{2.14849}], [{166.824}]
[{1.3945}], [{1.51364}], [{1.64887}], [{1.9054}], [{116.965}]
[{2.16466}], [{1.95255}], [{2.07583}], [{1.57476}], [{225.749}]
[{2.15755}], [{1.77092}], [{1.9186}], [{2.50872}], [{216.536}]
[{1.31872}], [{1.47981}], [{2.07986}], [{2.27044}], [{131.535}]
[{1.98343}], [{2.02479}], [{2.4985}], [{2.29962}], [{273.492}]
[{2.50372}], [{2.6516}], [{2.17246}], [{2.0921}], [{413.526}]
[{2.48611}], [{2.0527}], [{2.3018}], [{2.67088}], [{316.136}]
[{2.46612}], [{2.59461}], [{1.4712}], [{2.53692}], [{339.752}]
[{2.61338}], [{2.95608}], [{2.76713}], [{3.17809}], [{619.384}]
[{2.94667}], [{2.75657}], [{2.79745}], [{2.99426}], [{598.394}]
[{2.8581}], [{2.70896}], [{3.10005}], [{3.17711}], [{622.006}]
[{3.28368}], [{2.77633}], [{2.57253}], [{2.44105}], [{591.692}]

ME19B008

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0220809

Matrix Index 1 = 1, Matrix Index 2 = 4

Parameter No. = 5

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.299062}], [{ -0.000791866}], [{ 0.139362}], [{ -0.244268}], [{ 7.2977}]
[{ 0.111539}], [{ -0.310782}], [{ -0.182054}], [{ -0.116134}], [{ 10.7133}]
[{ 0.334765}], [{ -0.0778575}], [{ -0.0881738}], [{ 0.222951}], [{ 12.0076}]
[{ 0.649932}], [{ 0.668084}], [{ 0.363115}], [{ -0.104585}], [{ 21.2318}]
[{ 1.11816}], [{ 0.681537}], [{ 0.508951}], [{ 0.286165}], [{ 30.6242}]
[{ 0.202255}], [{ 0.264436}], [{ 0.578429}], [{ 1.11791}], [{ 13.1634}]
[{ 0.420837}], [{ 0.146677}], [{ 0.504977}], [{ 0.125936}], [{ 15.6603}]
[{ 1.14277}], [{ 0.689945}], [{ 0.540104}], [{ 0.3403}], [{ 33.9752}]
[{ 1.55851}], [{ 0.329093}], [{ 0.514191}], [{ 0.509598}], [{ 35.8631}]
[{ 0.856168}], [{ 0.861195}], [{ 1.31508}], [{ 1.04272}], [{ 49.8351}]
[{ 1.03699}], [{ 1.18372}], [{ 0.917135}], [{ 1.64422}], [{ 68.9965}]
[{ 1.51446}], [{ 0.974096}], [{ 1.51327}], [{ 1.35997}], [{ 93.7116}]
[{ 0.722115}], [{ 1.57193}], [{ 0.557417}], [{ 0.642846}], [{ 53.4366}]
[{ 1.68037}], [{ 0.884443}], [{ 1.0905}], [{ 1.32899}], [{ 79.8619}]
[{ 1.10549}], [{ 0.96901}], [{ 1.86861}], [{ 1.71308}], [{ 95.2218}]
[{ 1.5919}], [{ 1.06149}], [{ 1.32852}], [{ 1.47131}], [{ 99.2146}]
[{ 1.2581}], [{ 0.871606}], [{ 1.57235}], [{ 1.77117}], [{ 89.2828}]
[{ 1.55722}], [{ 2.07083}], [{ 1.73721}], [{ 1.98938}], [{ 238.906}]
[{ 2.09155}], [{ 1.83415}], [{ 2.02438}], [{ 1.58287}], [{ 259.183}]
[{ 1.73245}], [{ 1.28381}], [{ 2.01867}], [{ 2.05835}], [{ 181.279}]
[{ 2.10279}], [{ 2.09756}], [{ 2.0588}], [{ 2.18903}], [{ 340.198}]
[{ 2.02456}], [{ 1.84187}], [{ 2.20187}], [{ 2.29787}], [{ 306.21}]
[{ 1.85968}], [{ 2.45035}], [{ 2.25523}], [{ 1.85987}], [{ 381.468}]
[{ 2.22668}], [{ 2.74963}], [{ 2.49825}], [{ 2.69569}], [{ 588.946}]
[{ 2.26809}], [{ 2.21114}], [{ 2.50516}], [{ 3.04511}], [{ 491.826}]]

```
[{2.35939}], [{2.89165}], [{2.20736}], [{2.9456}], [{618.757}]
[{2.40713}], [{2.70152}], [{2.787}], [{2.43815}], [{631.266}]
[{2.30111}], [{2.79816}], [{3.34004}], [{2.60446}], [{741.88}]
[{2.70294}], [{2.63488}], [{2.44041}], [{2.52375}], [{614.525}]
[{2.99889}], [{3.20923}], [{3.05701}], [{2.58277}], [{980.417}]
```

ME19B009

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0153442

Matrix Index 1 = 4, Matrix Index 2 = 3

Parameter No. = 4

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{-0.111615}], [{0.461426}], [{-0.114853}], [{-0.18905}], [{11.0961}]
[{-0.100943}], [{-0.29135}], [{-0.15641}], [{-0.123824}], [{11.7763}]
[{0.133399}], [{-0.0973857}], [{0.507015}], [{0.123601}], [{13.6145}]
[{0.118096}], [{-0.427597}], [{0.370027}], [{0.256546}], [{15.0741}]
[{0.304876}], [{0.363647}], [{0.276134}], [{0.683868}], [{15.4925}]
[{0.519881}], [{0.800823}], [{0.296257}], [{0.187965}], [{24.5532}]
[{0.620663}], [{0.96752}], [{0.122448}], [{0.423236}], [{29.2617}]
[{0.334569}], [{0.823429}], [{0.990237}], [{0.667636}], [{28.8279}]
[{0.316166}], [{0.588188}], [{1.10944}], [{1.05498}], [{23.2534}]
[{0.761035}], [{1.01306}], [{0.738415}], [{1.41056}], [{46.029}]
[{1.57883}], [{1.0556}], [{0.563571}], [{0.763321}], [{63.5026}]
[{1.02891}], [{1.31517}], [{0.746027}], [{0.839093}], [{63.9054}]
[{1.04394}], [{1.52879}], [{1.13141}], [{1.05683}], [{96.2321}]
[{1.32384}], [{1.29041}], [{1.34}], [{1.61038}], [{107.944}]
[{1.2298}], [{1.29169}], [{1.46412}], [{0.922658}], [{94.8239}]
[{2.18061}], [{1.43012}], [{1.39939}], [{1.33837}], [{164.668}]
[{1.85324}], [{1.45114}], [{1.54784}], [{1.42294}], [{158.767}]
[{1.50694}], [{1.73569}], [{2.01872}], [{1.65028}], [{206.869}]
[{2.0689}], [{1.98451}], [{1.753}], [{1.77784}], [{277.28}]
[{1.97286}], [{2.13921}], [{1.62943}], [{1.60978}], [{277.12}]
[{2.31864}], [{2.02615}], [{2.13208}], [{1.82996}], [{347.169}]
[{2.78647}], [{2.21727}], [{2.00843}], [{1.85596}], [{425.565}]
[{2.39355}], [{2.19127}], [{2.06199}], [{2.26654}], [{406.557}]
[{2.35226}], [{1.95345}], [{2.43515}], [{1.76209}], [{358.735}]
[{3.05425}], [{3.00297}], [{2.17056}], [{2.63213}], [{772.002}]
[{2.22335}], [{2.23223}], [{2.32144}], [{2.47822}], [{437.603}]
[{2.7561}], [{2.62128}], [{2.46893}], [{2.5289}], [{643.438}]
[{2.53146}], [{2.82962}], [{2.7415}], [{3.09642}], [{759.381}]
[{3.21956}], [{3.42276}], [{3.16929}], [{2.31581}], [{1157.46}]
[{2.65531}], [{3.15872}], [{3.20089}], [{3.14654}], [{1004.11}]
```

ME19B011

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0105783

Matrix Index 1 = 4, Matrix Index 2 = 2

Parameter No. = 1

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{-0.415014}], [{-0.346734}], [{-0.0501769}], [{0.354507}], [{4.87671}]
[{0.33247}], [{-0.249555}], [{0.302233}], [{0.12132}], [{14.3816}]
[{0.0836362}], [{-0.462161}], [{0.23896}], [{0.115679}], [{11.1435}]
```

```

[{\{0.534567\}}, {\{0.0654079\}}, {\{0.230599\}}, {\{0.653214\}}, {\{15.7105\}}]
[{\{0.0455582\}}, {\{-0.16496\}}, {\{0.747744\}}, {\{0.271839\}}, {\{8.29673\}}]
[{\{0.600914\}}, {\{0.595589\}}, {\{0.475705\}}, {\{0.632998\}}, {\{22.1539\}}]
[{\{0.318075\}}, {\{0.403583\}}, {\{0.356663\}}, {\{0.641369\}}, {\{15.6089\}}]
[{\{1.03692\}}, {\{0.719628\}}, {\{0.797477\}}, {\{0.828038\}}, {\{39.3777\}}]
[{\{0.848091\}}, {\{0.099213\}}, {\{0.379863\}}, {\{0.429427\}}, {\{21.4128\}}]
[{\{0.717688\}}, {\{0.741658\}}, {\{1.39868\}}, {\{0.857286\}}, {\{39.2424\}}]
[{\{1.18718\}}, {\{0.904892\}}, {\{1.54226\}}, {\{1.17435\}}, {\{71.1058\}}]
[{\{0.681443\}}, {\{1.60278\}}, {\{1.61251\}}, {\{0.938666\}}, {\{90.6094\}}]
[{\{0.995424\}}, {\{1.44859\}}, {\{1.4754\}}, {\{1.36752\}}, {\{97.2135\}}]
[{\{1.24166\}}, {\{0.856995\}}, {\{1.5169\}}, {\{1.05743\}}, {\{68.453\}}]
[{\{1.47443\}}, {\{1.51039\}}, {\{1.3809\}}, {\{1.2016\}}, {\{118.351\}}]
[{\{1.38948\}}, {\{1.61627\}}, {\{1.60579\}}, {\{1.46964\}}, {\{144.128\}}]
[{\{2.27802\}}, {\{0.902244\}}, {\{1.61043\}}, {\{1.49867\}}, {\{130.996\}}]
[{\{1.94423\}}, {\{1.74133\}}, {\{1.17308\}}, {\{1.41339\}}, {\{162.149\}}]
[{\{1.92657\}}, {\{2.05512\}}, {\{1.79437\}}, {\{1.77594\}}, {\{260.77\}}]
[{\{2.0204\}}, {\{2.13464\}}, {\{2.64687\}}, {\{2.25971\}}, {\{391.68\}}]
[{\{2.26022\}}, {\{1.87569\}}, {\{2.1083\}}, {\{2.23658\}}, {\{315.012\}}]
[{\{1.82165\}}, {\{2.11578\}}, {\{2.22885\}}, {\{2.22189\}}, {\{322.436\}}]
[{\{1.82495\}}, {\{2.19789\}}, {\{2.14387\}}, {\{2.55503\}}, {\{344.243\}}]
[{\{2.95551\}}, {\{1.92183\}}, {\{2.63423\}}, {\{2.22891\}}, {\{455.853\}}]
[{\{2.46528\}}, {\{2.18896\}}, {\{2.30914\}}, {\{2.56236\}}, {\{440.574\}}]
[{\{2.65211\}}, {\{2.32732\}}, {\{2.18507\}}, {\{2.33377\}}, {\{462.231\}}]
[{\{2.48879\}}, {\{2.81318\}}, {\{2.74043\}}, {\{2.71412\}}, {\{678.6\}}]
[{\{2.61736\}}, {\{2.64076\}}, {\{2.40768\}}, {\{3.12933\}}, {\{623.155\}}]
[{\{2.14931\}}, {\{2.52276\}}, {\{2.32439\}}, {\{2.90562\}}, {\{495.085\}}]
[{\{2.97499\}}, {\{3.02257\}}, {\{2.80379\}}, {\{2.51262\}}, {\{822.392\}}]

```

ME19B022

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.0492497

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 2

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{0.0585037\}}, {\{0.107293\}}, {\{0.0263481\}}, {\{-0.0996127\}}, {\{8.51805\}}]
[{\{0.232487\}}, {\{-0.127856\}}, {\{-0.190812\}}, {\{0.183348\}}, {\{10.0424\}}]
[{\{0.431348\}}, {\{0.500455\}}, {\{0.568458\}}, {\{0.00082102\}}, {\{16.7271\}}]
[{\{0.284455\}}, {\{0.652325\}}, {\{0.722785\}}, {\{0.457608\}}, {\{15.9202\}}]
[{\{0.111432\}}, {\{0.15567\}}, {\{0.175966\}}, {\{0.319656\}}, {\{9.75207\}}]
[{\{-0.0250365\}}, {\{0.565421\}}, {\{0.434995\}}, {\{0.841013\}}, {\{9.30563\}}]
[{\{0.365141\}}, {\{0.830729\}}, {\{0.616216\}}, {\{0.344853\}}, {\{20.0332\}}]
[{\{0.681101\}}, {\{0.0995708\}}, {\{0.768214\}}, {\{1.20136\}}, {\{23.6027\}}]
[{\{0.474638\}}, {\{0.638\}}, {\{0.555064\}}, {\{0.891638\}}, {\{20.3875\}}]
[{\{0.973049\}}, {\{0.850982\}}, {\{0.597825\}}, {\{0.651981\}}, {\{35.2733\}}]
[{\{0.104796\}}, {\{1.31415\}}, {\{0.914449\}}, {\{1.00019\}}, {\{28.1463\}}]
[{\{0.963433\}}, {\{1.84117\}}, {\{1.35647\}}, {\{1.4171\}}, {\{117.997\}}]
[{\{1.30953\}}, {\{1.02066\}}, {\{1.24793\}}, {\{1.48198\}}, {\{76.1006\}}]
[{\{0.856873\}}, {\{0.640039\}}, {\{1.0986\}}, {\{1.14463\}}, {\{38.3951\}}]
[{\{1.24032\}}, {\{1.60077\}}, {\{1.00507\}}, {\{1.76437\}}, {\{103.188\}}]
[{\{1.82507\}}, {\{0.968787\}}, {\{2.25324\}}, {\{1.59553\}}, {\{138.851\}}]
[{\{1.6317\}}, {\{1.53574\}}, {\{1.69993\}}, {\{1.78482\}}, {\{158.818\}}]
[{\{1.5204\}}, {\{1.68323\}}, {\{1.76648\}}, {\{1.58141\}}, {\{162.623\}}]
[{\{1.35623\}}, {\{1.92951\}}, {\{1.89698\}}, {\{1.3369\}}, {\{181.467\}}]

```

```
[{1.7685}], [{1.62143}], [{1.63486}], [{1.43764}], [{161.676}]
[{1.96927}], [{2.21427}], [{1.7992}], [{2.22167}], [{294.484}]
[{2.15957}], [{2.70656}], [{1.98741}], [{1.62252}], [{401.256}]
[{2.55226}], [{2.3898}], [{1.82477}], [{1.69716}], [{364.603}]
[{2.47989}], [{2.46911}], [{2.65905}], [{1.98432}], [{483.814}]
[{2.61506}], [{2.52213}], [{2.43664}], [{2.9535}], [{554.078}]
[{2.5449}], [{3.01858}], [{2.30776}], [{2.44321}], [{619.066}]
[{2.94917}], [{2.01318}], [{2.45522}], [{2.08342}], [{420.307}]
[{2.39775}], [{2.39616}], [{2.61056}], [{2.74375}], [{502.204}]
[{3.14767}], [{2.51788}], [{3.10502}], [{2.63899}], [{709.644}]
[{3.17159}], [{2.65068}], [{2.94074}], [{2.72765}], [{735.623}]
```

ME19B025

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0392431

Matrix Index 1 = 1, Matrix Index 2 = 2

Parameter No. = 4

```
[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.00804857}], [{0.231072}], [{-0.0631735}], [{-0.344251}], [{9.56671}]
[{-0.0993695}], [{-0.178728}], [{-0.474761}], [{-0.416029}], [{9.39495}]
[{-0.614924}], [{0.08946}], [{-0.467851}], [{0.0116397}], [{3.26632}]
[{0.320845}], [{0.102945}], [{0.304255}], [{0.390272}], [{12.1324}]
[{0.781926}], [{0.514603}], [{-0.152031}], [{0.289539}], [{19.1036}]
[{0.0153282}], [{0.344382}], [{0.656733}], [{0.296866}], [{8.72875}]
[{0.961279}], [{-0.20405}], [{1.04741}], [{1.01127}], [{29.7132}]
[{0.726502}], [{0.827102}], [{0.529531}], [{0.503915}], [{27.5109}]
[{1.13879}], [{0.290412}], [{0.459691}], [{0.851957}], [{27.1227}]
[{0.553038}], [{1.00513}], [{0.813716}], [{1.03376}], [{32.9445}]
[{1.08086}], [{1.57541}], [{0.85731}], [{0.949085}], [{73.7337}]
[{1.26117}], [{1.21759}], [{1.50194}], [{1.63219}], [{91.5361}]
[{1.18603}], [{1.0819}], [{1.38192}], [{0.79139}], [{62.0633}]
[{1.74805}], [{1.25959}], [{0.945537}], [{1.4641}], [{86.4602}]
[{1.30345}], [{1.50368}], [{0.982919}], [{1.08868}], [{84.7466}]
[{1.93911}], [{1.2751}], [{1.86516}], [{1.71478}], [{146.037}]
[{2.23949}], [{1.68916}], [{1.91009}], [{1.61003}], [{210.333}]
[{1.69673}], [{2.30107}], [{1.66902}], [{1.4637}], [{235.074}]
[{1.73706}], [{2.20561}], [{1.80728}], [{1.52843}], [{235.374}]
[{1.12202}], [{1.97423}], [{2.03648}], [{1.67173}], [{177.995}]
[{2.14361}], [{2.48907}], [{2.58268}], [{2.45005}], [{439.461}]
[{2.20009}], [{2.41822}], [{1.77249}], [{1.90076}], [{316.036}]
[{2.21771}], [{1.95355}], [{2.70145}], [{2.12002}], [{331.408}]
[{2.56382}], [{2.24746}], [{2.1665}], [{2.11946}], [{368.826}]
[{2.54356}], [{2.17585}], [{2.21492}], [{2.39462}], [{373.614}]
[{2.71232}], [{2.19448}], [{2.63534}], [{2.78846}], [{467.1}]
[{2.69577}], [{2.78044}], [{2.51828}], [{2.58783}], [{581.155}]
[{2.55595}], [{2.24421}], [{2.56849}], [{2.3409}], [{423.958}]
[{2.72112}], [{2.88524}], [{3.3059}], [{2.78919}], [{757.643}]
[{3.56715}], [{3.3481}], [{3.0891}], [{2.95944}], [{1054.1}]
```

ME19B034

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0291948

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.206496}},[{{0.519036}}],[{{0.713927}}],[{{-0.148175}}],[{{17.9688}}]
[{{0.436139}},[{{0.25702}}],[{{-0.658396}}],[{{-0.26741}}],[{{17.1345}}]
[{{0.154541}},[{{0.348392}}],[{{-0.373685}}],[{{0.355532}}],[{{11.5422}}]
[{{0.0823063}},[{{0.855528}}],[{{0.205437}}],[{{0.0578291}}],[{{16.2385}}]
[{{0.869486}},[{{1.07934}}],[{{0.0244747}}],[{{-0.244493}}],[{{28.4715}}]
[{{0.129507}},[{{0.460719}}],[{{0.241345}}],[{{0.87878}}],[{{15.3062}}]
[{{0.814261}},[{{0.865451}}],[{{0.674397}}],[{{-0.0486401}}],[{{30.0418}}]
[{{0.690868}},[{{0.699829}}],[{{0.536345}}],[{{0.590403}}],[{{27.8408}}]
[{{0.991989}},[{{0.700076}}],[{{0.545768}}],[{{0.526516}}],[{{31.4525}}]
[{{1.0111}},[{{0.672536}}],[{{0.381001}}],[{{0.970139}}],[{{31.6234}}]
[{{0.538449}},[{{1.33273}}],[{{1.01078}}],[{{0.837985}}],[{{51.0668}}]
[{{0.86544}},[{{0.989751}}],[{{1.64868}}],[{{0.940744}}],[{{61.2267}}]
[{{0.964165}},[{{0.651935}}],[{{1.21005}}],[{{1.23184}}],[{{43.3671}}]
[{{1.6435}},[{{0.727161}}],[{{1.98127}}],[{{1.15691}}],[{{90.5258}}]
[{{1.66757}},[{{1.07891}}],[{{1.7047}}],[{{1.36426}}],[{{110.481}}]
[{{1.14627}},[{{1.12833}}],[{{1.63469}}],[{{1.52518}}],[{{90.4866}}]
[{{1.87831}},[{{1.43193}}],[{{1.47414}}],[{{1.7455}}],[{{152.323}}]
[{{0.744926}},[{{1.42534}}],[{{1.1637}}],[{{1.39064}}],[{{74.5905}}]
[{{2.14547}},[{{1.6245}}],[{{1.75604}}],[{{1.87458}}],[{{216.189}}]
[{{1.64964}},[{{1.81553}}],[{{1.91167}}],[{{1.84888}}],[{{216.348}}]
[{{2.45893}},[{{1.78594}}],[{{1.90075}}],[{{1.94524}}],[{{278.241}}]
[{{1.97526}},[{{2.06714}}],[{{1.77343}}],[{{2.15496}}],[{{282.598}}]
[{{1.95915}},[{{2.5593}}],[{{2.27594}}],[{{2.11335}}],[{{433.351}}]
[{{1.9899}},[{{1.63559}}],[{{2.35578}}],[{{2.14141}}],[{{265.073}}]
[{{2.41555}},[{{2.2879}}],[{{1.76892}}],[{{2.15657}}],[{{364.156}}]
[{{2.75271}},[{{2.47747}}],[{{2.8288}}],[{{2.63861}}],[{{625.036}}]
[{{2.66372}},[{{3.46837}}],[{{2.34777}}],[{{2.86379}}],[{{872.282}}]
[{{2.91997}},[{{2.42522}}],[{{2.81617}}],[{{2.54197}}],[{{624.333}}]
[{{3.09553}},[{{2.61113}}],[{{2.70191}}],[{{3.03001}}],[{{731.544}}]
[{{2.97774}},[{{2.99715}}],[{{2.80499}}],[{{2.74968}}],[{{841.816}}]
```

ME19B038

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0396348

Matrix Index 1 = 1, Matrix Index 2 = 1

Parameter No. = 5

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.321503}},[{{0.0931169}}],[{{0.608972}}],[{{-0.0829539}}],[{{11.9665}}]
[{{-0.182668}},[{{0.200899}}],[{{0.000235339}}],[{{0.230993}}],[{{6.78723}}]
[{{0.274764}},[{{-0.0593447}}],[{{0.0497413}}],[{{0.466644}}],[{{11.675}}]
[{{-0.0482592}},[{{0.44417}}],[{{0.581438}}],[{{0.0404208}}],[{{9.39349}}]
[{{1.06398}},[{{0.656747}}],[{{0.125175}}],[{{0.69853}}],[{{27.1756}}]
[{{0.412538}},[{{0.296613}}],[{{0.338611}}],[{{0.275065}}],[{{13.5509}}]
[{{0.739993}},[{{-0.183151}}],[{{0.847604}}],[{{0.954163}}],[{{22.6647}}]
[{{1.12649}},[{{0.604778}}],[{{1.51511}}],[{{0.849816}}],[{{43.7256}}]
[{{0.834911}},[{{0.543031}}],[{{0.979185}}],[{{1.32176}}],[{{31.8306}}]
[{{0.643718}},[{{0.359139}}],[{{1.52499}}],[{{1.56626}}],[{{32.9448}}]
[{{0.613959}},[{{1.31264}}],[{{1.26714}}],[{{1.00795}}],[{{60.169}}]
[{{0.771691}},[{{1.21277}}],[{{1.39352}}],[{{1.11108}}],[{{61.3132}}]
[{{1.18014}},[{{0.673814}}],[{{1.1555}}],[{{1.52858}}],[{{49.0033}}]
```

```

[{\{1.49286\}}, {\{1.11417\}}, {\{1.42406\}}, {\{1.59232\}}, {\{93.0063\}}]
[{\{1.82091\}}, {\{1.88913\}}, {\{1.46327\}}, {\{1.49586\}}, {\{193.761\}}]
[{\{1.10623\}}, {\{0.92969\}}, {\{1.11382\}}, {\{1.29266\}}, {\{55.168\}}]
[{\{1.79565\}}, {\{1.89627\}}, {\{1.82362\}}, {\{1.37441\}}, {\{212.968\}}]
[{\{1.62416\}}, {\{1.32713\}}, {\{1.23986\}}, {\{1.19927\}}, {\{102.177\}}]
[{\{1.72018\}}, {\{1.83379\}}, {\{1.89053\}}, {\{1.8803\}}, {\{214.44\}}]
[{\{2.03126\}}, {\{2.33294\}}, {\{2.02641\}}, {\{1.66929\}}, {\{339.136\}}]
[{\{1.95121\}}, {\{1.87572\}}, {\{2.40196\}}, {\{1.77175\}}, {\{272.927\}}]
[{\{1.83685\}}, {\{1.98642\}}, {\{2.28469\}}, {\{2.23112\}}, {\{289.91\}}]
[{\{2.04543\}}, {\{2.5177\}}, {\{2.12399\}}, {\{1.97705\}}, {\{406.113\}}]
[{\{1.54335\}}, {\{2.74749\}}, {\{2.14126\}}, {\{1.86146\}}, {\{398.58\}}]
[{\{2.37658\}}, {\{2.30092\}}, {\{2.60885\}}, {\{2.49956\}}, {\{463.969\}}]
[{\{2.45829\}}, {\{2.51539\}}, {\{3.21468\}}, {\{2.53688\}}, {\{615.85\}}]
[{\{2.06006\}}, {\{2.92545\}}, {\{2.57064\}}, {\{2.82108\}}, {\{612.559\}}]
[{\{2.74775\}}, {\{2.73378\}}, {\{2.82969\}}, {\{2.57201\}}, {\{680.364\}}]
[{\{3.03525\}}, {\{2.72545\}}, {\{2.80812\}}, {\{3.22576\}}, {\{763.432\}}]
[{\{3.11553\}}, {\{3.3821\}}, {\{2.96333\}}, {\{3.15187\}}, {\{1079.81\}}]

```

ME19B039

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.0480899

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 1

```

[{\% X1 \}, {\{ X2 \} \&}, {\{ X3 \}}, {\{ X4 \} \$}, {@{ Y \}}
[{\{-0.116625\}}, {\{0.286567\}}, {\{-0.260831\}}, {\{0.819412\}}, {\{8.60189\}}
[{\{0.268783\}}, {\{-0.606873\}}, {\{0.513333\}}, {\{0.294921\}}, {\{17.5459\}}
[{\{0.20919\}}, {\{-0.114862\}}, {\{0.124181\}}, {\{0.332107\}}, {\{14.7811\}}
[{\{0.29089\}}, {\{0.578713\}}, {\{0.232586\}}, {\{-0.00282293\}}, {\{15.4547\}}
[{\{0.736058\}}, {\{0.413673\}}, {\{0.373227\}}, {\{0.0546227\}}, {\{20.9595\}}
[{\{1.0072\}}, {\{0.582707\}}, {\{1.06466\}}, {\{0.897175\}}, {\{40.1883\}}
[{\{0.033393\}}, {\{0.8024\}}, {\{0.851107\}}, {\{0.352257\}}, {\{16.8906\}}
[{\{0.724696\}}, {\{0.335631\}}, {\{1.41023\}}, {\{0.605969\}}, {\{27.943\}}
[{\{0.527038\}}, {\{0.593097\}}, {\{0.230517\}}, {\{0.889787\}}, {\{19.8906\}}
[{\{1.18792\}}, {\{0.887756\}}, {\{0.603785\}}, {\{1.05922\}}, {\{46.5295\}}
[{\{1.00054\}}, {\{1.49433\}}, {\{1.09001\}}, {\{0.619315\}}, {\{78.5438\}}
[{\{1.36492\}}, {\{1.42336\}}, {\{0.712179\}}, {\{0.85916\}}, {\{78.1109\}}
[{\{1.10996\}}, {\{0.633536\}}, {\{1.74539\}}, {\{1.20928\}}, {\{59.4064\}}
[{\{1.32352\}}, {\{1.18045\}}, {\{1.30714\}}, {\{1.339\}}, {\{90.3972\}}
[{\{1.26918\}}, {\{1.47741\}}, {\{1.31621\}}, {\{1.72661\}}, {\{114.697\}}
[{\{1.52086\}}, {\{0.849498\}}, {\{1.46776\}}, {\{1.79703\}}, {\{93.4632\}}
[{\{1.6395\}}, {\{2.54659\}}, {\{1.5284\}}, {\{1.37509\}}, {\{278.326\}}
[{\{1.20635\}}, {\{2.16836\}}, {\{1.73954\}}, {\{2.33415\}}, {\{222.327\}}
[{\{1.40519\}}, {\{1.57555\}}, {\{1.83702\}}, {\{1.85133\}}, {\{163.56\}}
[{\{1.71087\}}, {\{2.24959\}}, {\{1.93403\}}, {\{2.2656\}}, {\{303.678\}}
[{\{1.75595\}}, {\{1.74052\}}, {\{2.56378\}}, {\{1.92265\}}, {\{263.868\}}
[{\{2.10055\}}, {\{2.11841\}}, {\{2.84872\}}, {\{2.98466\}}, {\{465.82\}}
[{\{2.79086\}}, {\{2.41863\}}, {\{2.10874\}}, {\{2.49357\}}, {\{497.421\}}
[{\{2.14647\}}, {\{2.8888\}}, {\{2.56226\}}, {\{1.87789\}}, {\{555.526\}}
[{\{1.96032\}}, {\{2.23954\}}, {\{2.41958\}}, {\{2.22527\}}, {\{376.459\}}
[{\{2.69836\}}, {\{2.23325\}}, {\{2.16158\}}, {\{2.52198\}}, {\{452.179\}}
[{\{2.7573\}}, {\{2.3061\}}, {\{2.88345\}}, {\{2.47926\}}, {\{569.638\}}
[{\{2.45388\}}, {\{2.51609\}}, {\{2.79896\}}, {\{3.05029\}}, {\{615.589\}}
[{\{2.40939\}}, {\{2.17554\}}, {\{2.86629\}}, {\{2.56393\}}, {\{492.55\}}]

```

[{3.41617}], [{2.79331}], [{3.19332}], [{3.2908}], [{980.492}]

ME19B043

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0112458

Matrix Index 1 = 1, Matrix Index 2 = 4

Parameter No. = 5

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.147493}], [{-0.0186008}], [{0.146714}], [{0.251443}], [{9.09178}]
[{0.131172}], [{0.0101357}], [{0.140307}], [{-0.293217}], [{10.9103}]
[{0.504142}], [{-0.0499308}], [{0.666592}], [{0.600347}], [{14.5494}]
[{0.479523}], [{0.243332}], [{0.171766}], [{1.014}], [{13.2429}]
[{0.664428}], [{-0.248116}], [{0.753404}], [{0.316804}], [{18.5161}]
[{0.682745}], [{0.147997}], [{0.645165}], [{0.142701}], [{16.6544}]
[{0.774685}], [{0.996107}], [{0.620528}], [{0.750413}], [{34.4961}]
[{0.814822}], [{0.556919}], [{0.611865}], [{0.186217}], [{23.217}]
[{0.607287}], [{0.89296}], [{0.341007}], [{0.565405}], [{23.5012}]
[{1.30149}], [{0.497182}], [{1.14074}], [{1.06459}], [{47.0659}]
[{0.906708}], [{0.854327}], [{0.995102}], [{1.44542}], [{46.4346}]
[{1.34298}], [{0.446091}], [{0.88268}], [{1.1744}], [{44.9323}]
[{0.706781}], [{0.974608}], [{1.27395}], [{0.985563}], [{45.6126}]
[{1.60632}], [{1.59663}], [{1.49669}], [{1.57009}], [{150.609}]
[{1.22326}], [{1.55557}], [{0.997735}], [{0.944925}], [{88.2062}]
[{1.28634}], [{1.59573}], [{2.07566}], [{1.05526}], [{139.889}]
[{1.77346}], [{1.30944}], [{1.22912}], [{1.58228}], [{118.86}]
[{1.474448}], [{1.58807}], [{2.06814}], [{2.13088}], [{189.863}]
[{1.79406}], [{2.01378}], [{1.58548}], [{1.93166}], [{228.524}]
[{1.90609}], [{1.93855}], [{1.80582}], [{1.61728}], [{234.345}]
[{2.08094}], [{2.15332}], [{1.62233}], [{2.3135}], [{294.234}]
[{2.07682}], [{1.60828}], [{1.86996}], [{1.62146}], [{207.656}]
[{1.87085}], [{2.46821}], [{2.57843}], [{2.89503}], [{462.17}]
[{2.39669}], [{1.91018}], [{2.45315}], [{2.92264}], [{415.604}]
[{2.25645}], [{2.54852}], [{2.60803}], [{1.74265}], [{465.139}]
[{2.34919}], [{2.25684}], [{2.47317}], [{2.37909}], [{441.39}]
[{2.63981}], [{2.65051}], [{1.90318}], [{2.98441}], [{532.299}]
[{3.08927}], [{2.82528}], [{2.64606}], [{2.52101}], [{740.522}]
[{2.15919}], [{3.12364}], [{3.07659}], [{2.80349}], [{753.891}]
[{2.65908}], [{2.88246}], [{3.31613}], [{3.10164}], [{853.734}]

ME19B073

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0195386

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 2

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.121141}], [{0.065797}], [{-0.028677}], [{0.069432}], [{10.4649}]
[{-0.0389932}], [{0.136211}], [{-0.335195}], [{-0.596684}], [{7.94622}]
[{0.15629}], [{-0.142679}], [{0.00517669}], [{0.0443381}], [{10.0373}]
[{-0.348788}], [{0.0503267}], [{0.299273}], [{0.549792}], [{4.55314}]
[{0.622099}], [{0.255774}], [{1.04638}], [{0.643752}], [{20.6277}]
[{0.506386}], [{0.472374}], [{0.0502777}], [{1.07143}], [{16.4164}]
[{0.327133}], [{0.765333}], [{0.834348}], [{1.33355}], [{22.3818}]

[[{0.443013}], [{0.465022}], [{1.11213}], [{0.864402}], [{20.5245}]
 [[0.907314]], [{0.749815}], [{0.369072}], [{0.471956}], [{27.5825}]
 [[0.48979]], [{0.670932}], [{0.836942}], [{0.930813}], [{23.0804}]
 [[1.26129]], [{0.986352}], [{1.07832}], [{1.11013}], [{60.2829}]
 [[1.17901]], [{0.93385}], [{1.60258}], [{0.549686}], [{52.6394}]
 [[0.817477]], [{1.61378}], [{1.97305}], [{1.55572}], [{109.704}]
 [[1.352]], [{1.07093}], [{0.868167}], [{1.12477}], [{59.893}]
 [[1.46317]], [{1.63331}], [{1.57537}], [{1.00285}], [{123.254}]
 [[1.6864]], [{1.45743}], [{1.47026}], [{1.72067}], [{130.961}]
 [[1.948]], [{1.38392}], [{1.65064}], [{2.07393}], [{158.776}]
 [[1.78044]], [{1.74825}], [{2.08475}], [{1.85157}], [{204.623}]
 [[1.71146]], [{1.8092}], [{1.74912}], [{1.2954}], [{173.164}]
 [[1.82285]], [{1.85911}], [{1.60857}], [{2.40327}], [{210.56}]
 [[2.40978]], [{2.54445}], [{2.20936}], [{1.69457}], [{409.032}]
 [[2.05937]], [{2.52378}], [{1.76624}], [{1.76419}], [{328.785}]
 [[1.91641]], [{1.76003}], [{2.24116}], [{1.98542}], [{234.236}]
 [[2.3461]], [{2.59642}], [{1.95197}], [{2.32618}], [{415.946}]
 [[2.80953]], [{2.83323}], [{2.61847}], [{2.23819}], [{614.576}]
 [[2.56704]], [{1.85183}], [{2.57385}], [{2.77627}], [{381.749}]
 [[2.58765]], [{2.91179}], [{2.77614}], [{2.20164}], [{621.835}]
 [[3.04798]], [{2.49298}], [{2.33767}], [{2.30403}], [{525.134}]
 [[2.58397]], [{2.87927}], [{3.01866}], [{2.71604}], [{679.93}]
 [[3.05474]], [{3.30981}], [{3.48121}], [{2.43137}], [{970.39}]

ME19B086

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.03753

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 1

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
 [[{-0.303237}], [{ -0.257663}], [{ -0.518893}], [{ 0.22333}], [{ 7.34907}]
 [[{-0.0585848}], [{ 0.357977}], [{ 0.218643}], [{ -0.0585887}], [{ 8.03011}]
 [[{0.433987}], [{0.203134}], [{0.258625}], [{-0.00842224}], [{14.755}]
 [[{0.236026}], [{0.120142}], [{0.122782}], [{-0.128097}], [{12.6816}]
 [[{0.25115}], [{0.635576}], [{1.12416}], [{0.442231}], [{20.3623}]
 [[{0.42049}], [{0.456667}], [{0.534363}], [{0.0966129}], [{16.2868}]
 [[{0.132842}], [{0.43621}], [{0.74726}], [{0.658793}], [{13.7458}]
 [[{0.438561}], [{0.592854}], [{0.07857}], [{0.963034}], [{26.156}]
 [[{0.794063}], [{0.658962}], [{1.18791}], [{0.762377}], [{36.6986}]
 [[{0.829033}], [{1.31477}], [{0.5122}], [{1.10599}], [{48.3265}]
 [[{1.2996}], [{1.07278}], [{0.80726}], [{1.25447}], [{64.5359}]
 [[{1.21032}], [{1.37082}], [{1.39391}], [{1.70835}], [{110.626}]
 [[{1.34121}], [{1.11262}], [{0.910504}], [{0.817665}], [{66.0489}]
 [[{1.15754}], [{0.741447}], [{1.5553}], [{1.13351}], [{62.0617}]
 [[{1.26565}], [{1.29377}], [{1.00969}], [{1.32725}], [{83.382}]
 [[{1.61762}], [{1.10214}], [{1.74282}], [{1.31724}], [{114.599}]
 [[{1.85477}], [{1.73983}], [{1.15156}], [{1.51242}], [{160.874}]
 [[{1.77798}], [{1.95667}], [{1.73773}], [{1.42561}], [{223.161}]
 [[{1.69232}], [{1.88354}], [{1.82061}], [{1.49828}], [{215.512}]
 [[{1.54728}], [{1.17348}], [{2.01273}], [{2.11456}], [{160.241}]
 [[{2.10543}], [{2.89981}], [{2.16322}], [{2.357}], [{538.835}]
 [[{2.6485}], [{2.28724}], [{2.36139}], [{2.32541}], [{484.982}]
 [[{2.50983}], [{2.214}], [{2.22719}], [{2.33637}], [{434.456}]]]

```
[{2.08359}], [{2.90849}], [{2.10579}], [{2.7924}], [{550.816}]
[{2.83645}], [{2.91226}], [{2.15615}], [{2.37762}], [{649.147}]
[{2.4829}], [{2.29266}], [{2.4592}], [{3.08374}], [{534.807}]
[{2.43485}], [{2.50077}], [{3.19404}], [{2.51659}], [{646.303}]
[{2.23702}], [{2.36912}], [{2.5597}], [{2.63849}], [{500.993}]
[{3.14823}], [{2.76883}], [{2.9753}], [{2.41529}], [{804.342}]
[{3.07181}], [{2.33514}], [{2.48417}], [{2.89011}], [{621.28}]
```

ME19B089

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0390907

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 2

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.422938}], [{-0.459109}], [{0.688288}], [{-0.336306}], [{7.63095}]
[{-0.329263}], [{0.175135}], [{-0.201716}], [{-0.294554}], [{7.57663}]
[{-0.261117}], [{0.00571965}], [{0.217941}], [{0.167268}], [{5.8941}]
[{0.479758}], [{0.215087}], [{0.170149}], [{0.373202}], [{12.7013}]
[{0.540557}], [{0.405079}], [{0.0665832}], [{0.452232}], [{15.8279}]
[{0.416695}], [{0.274946}], [{0.0628278}], [{0.885793}], [{13.7011}]
[{0.535533}], [{0.733389}], [{0.544149}], [{0.338185}], [{18.7343}]
[{0.485627}], [{0.533917}], [{0.690432}], [{0.229137}], [{16.839}]
[{0.812026}], [{0.589488}], [{0.990386}], [{1.06828}], [{25.273}]
[{0.559823}], [{1.04202}], [{1.28375}], [{0.907631}], [{35.6525}]
[{0.56688}], [{0.952805}], [{0.537163}], [{0.970775}], [{26.5464}]
[{1.7894}], [{1.12822}], [{0.798364}], [{0.805149}], [{59.9646}]
[{0.952111}], [{1.65551}], [{1.66028}], [{0.729794}], [{85.8773}]
[{1.07471}], [{1.04894}], [{1.08804}], [{1.49826}], [{52.8981}]
[{1.0917}], [{0.64238}], [{1.68691}], [{1.73767}], [{53.0066}]
[{1.18832}], [{1.04074}], [{1.43854}], [{1.50331}], [{63.0188}]
[{1.22467}], [{1.1108}], [{1.56577}], [{1.74749}], [{74.3481}]
[{1.83905}], [{2.43089}], [{2.19093}], [{1.6626}], [{278.935}]
[{1.41756}], [{2.04555}], [{2.11937}], [{1.50139}], [{180.723}]
[{1.69235}], [{1.42668}], [{1.8064}], [{2.3658}], [{141.652}]
[{1.93074}], [{1.84808}], [{2.01681}], [{2.29238}], [{209.314}]
[{2.15589}], [{1.95751}], [{2.15738}], [{1.34451}], [{215.273}]
[{2.25932}], [{2.12193}], [{2.27155}], [{1.54218}], [{263.166}]
[{2.86235}], [{2.2573}], [{2.12346}], [{2.35678}], [{362.578}]
[{2.44053}], [{2.25138}], [{2.54859}], [{1.77871}], [{329.53}]
[{2.20051}], [{2.76634}], [{2.55467}], [{2.86302}], [{463.389}]
[{3.00139}], [{2.65106}], [{2.75935}], [{2.52859}], [{543.504}]
[{3.46109}], [{3.0045}], [{2.36296}], [{2.89677}], [{668.575}]
[{2.55406}], [{2.69332}], [{2.83406}], [{2.69917}], [{517.979}]
[{2.98786}], [{2.84072}], [{2.85562}], [{2.7231}], [{616.758}]
```

ME19B097

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.015463

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 5

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.142874}], [{0.249557}], [{-0.126284}], [{0.23935}], [{8.95642}]
```

```

[{\{0.0698592\}}, {\{-0.121493\}}, {\{-0.255817\}}, {\{0.214392\}}, {\{10.9591\}}
[{\{0.43848\}}, {\{-0.0998913\}}, {\{0.0934088\}}, {\{0.344855\}}, {\{16.1466\}}
[{\{0.0809799\}}, {\{0.230371\}}, {\{0.56712\}}, {\{0.317448\}}, {\{11.6159\}}
[{\{0.085605\}}, {\{0.0474037\}}, {\{0.610443\}}, {\{0.755333\}}, {\{9.16423\}}
[{\{0.533738\}}, {\{0.202527\}}, {\{0.317576\}}, {\{0.573411\}}, {\{15.9985\}}
[{\{0.720173\}}, {\{0.823401\}}, {\{0.486995\}}, {\{0.464433\}}, {\{27.3434\}}
[{\{0.651185\}}, {\{0.105356\}}, {\{1.05522\}}, {\{1.43423\}}, {\{26.1858\}}
[{\{0.735237\}}, {\{1.35989\}}, {\{0.548992\}}, {\{0.607068\}}, {\{45.1427\}}
[{\{1.22945\}}, {\{1.24354\}}, {\{0.571201\}}, {\{1.30189\}}, {\{60.1689\}}
[{\{1.52979\}}, {\{1.2203\}}, {\{0.864835\}}, {\{1.32304\}}, {\{78.5034\}}
[{\{0.540954\}}, {\{1.16177\}}, {\{1.65477\}}, {\{1.03555\}}, {\{56.9472\}}
[{\{0.840796\}}, {\{1.59881\}}, {\{1.28214\}}, {\{1.5417\}}, {\{95.0358\}}
[{\{1.35317\}}, {\{1.19849\}}, {\{1.38709\}}, {\{0.810483\}}, {\{81.063\}}
[{\{1.6616\}}, {\{1.86966\}}, {\{1.6353\}}, {\{1.78893\}}, {\{197.162\}}
[{\{1.26211\}}, {\{1.57903\}}, {\{1.85268\}}, {\{1.5774\}}, {\{143.296\}}
[{\{1.60116\}}, {\{1.44206\}}, {\{1.74746\}}, {\{1.40819\}}, {\{140.516\}}
[{\{1.431\}}, {\{1.93793\}}, {\{1.49733\}}, {\{1.4744\}}, {\{173.544\}}
[{\{1.98434\}}, {\{1.8394\}}, {\{1.38303\}}, {\{1.47918\}}, {\{188.505\}}
[{\{1.57784\}}, {\{1.8413\}}, {\{1.41046\}}, {\{1.45608\}}, {\{168.082\}}
[{\{2.33012\}}, {\{1.54721\}}, {\{1.48201\}}, {\{2.31077\}}, {\{207.233\}}
[{\{1.95094\}}, {\{1.90078\}}, {\{2.10568\}}, {\{1.76089\}}, {\{257.799\}}
[{\{1.95487\}}, {\{1.85202\}}, {\{2.06722\}}, {\{2.30268\}}, {\{266.026\}}
[{\{1.71808\}}, {\{2.08888\}}, {\{2.04472\}}, {\{2.75864\}}, {\{297.584\}}
[{\{2.54925\}}, {\{2.9595\}}, {\{2.95407\}}, {\{1.95736\}}, {\{700.032\}}
[{\{3.13059\}}, {\{2.31319\}}, {\{2.68797\}}, {\{2.54709\}}, {\{580.363\}}
[{\{2.93527\}}, {\{2.39938\}}, {\{2.40352\}}, {\{2.45467\}}, {\{533.79\}}
[{\{2.29978\}}, {\{2.07553\}}, {\{2.45265\}}, {\{2.61773\}}, {\{394.196\}}
[{\{2.97429\}}, {\{3.00185\}}, {\{2.65353\}}, {\{2.41794\}}, {\{768.303\}}
[{\{3.06373\}}, {\{3.27647\}}, {\{2.8256\}}, {\{3.44377\}}, {\{1005.2\}}]

```

ME19B124

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0254215

Matrix Index 1 = 1, Matrix Index 2 = 3

Parameter No. = 2

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{\{-0.0325631\}}, {\{0.028877\}}, {\{0.238928\}}, {\{-0.367044\}}, {\{7.01435\}}
[{\{0.246988\}}, {\{0.155962\}}, {\{0.230878\}}, {\{0.196169\}}, {\{10.9564\}}
[{\{0.654185\}}, {\{0.0688742\}}, {\{0.29544\}}, {\{0.451381\}}, {\{14.1042\}}
[{\{0.319713\}}, {\{0.508551\}}, {\{0.414966\}}, {\{0.0115694\}}, {\{15.1332\}}
[{\{0.839997\}}, {\{0.440712\}}, {\{0.377762\}}, {\{0.349727\}}, {\{20.2353\}}
[{\{0.537879\}}, {\{0.637621\}}, {\{0.481051\}}, {\{0.811114\}}, {\{20.2833\}}
[{\{0.781436\}}, {\{0.341894\}}, {\{0.228006\}}, {\{0.445039\}}, {\{17.5949\}}
[{\{0.0093145\}}, {\{0.839597\}}, {\{0.303674\}}, {\{0.977001\}}, {\{11.4083\}}
[{\{0.745553\}}, {\{0.658671\}}, {\{0.795723\}}, {\{0.966233\}}, {\{27.0515\}}
[{\{0.594175\}}, {\{0.842577\}}, {\{0.841494\}}, {\{1.25258\}}, {\{29.8925\}}
[{\{1.30973\}}, {\{0.835608\}}, {\{0.807756\}}, {\{0.683173\}}, {\{44.3079\}}
[{\{1.02415\}}, {\{0.935451\}}, {\{1.2352\}}, {\{1.36213\}}, {\{54.6092\}}
[{\{1.44737\}}, {\{1.40026\}}, {\{0.670722\}}, {\{1.40443\}}, {\{80.2644\}}
[{\{1.44229\}}, {\{1.20939\}}, {\{1.02616\}}, {\{1.27863\}}, {\{78.4826\}}
[{\{1.26007\}}, {\{1.10603\}}, {\{1.34715\}}, {\{1.05827\}}, {\{71.2286\}}
[{\{0.846738\}}, {\{1.67236\}}, {\{1.57934\}}, {\{1.41359\}}, {\{104.899\}}
[{\{1.5373\}}, {\{1.73237\}}, {\{1.0861\}}, {\{0.990928\}}, {\{122.114\}}]

```

```

[ {1.68552} ], [ {1.60884} ], [ {2.19512} ], [ {1.34848} ], [ {178.868} ]
[ {1.75561} ], [ {1.62412} ], [ {1.65263} ], [ {1.86527} ], [ {175.54} ]
[ {1.92095} ], [ {2.26527} ], [ {2.4727} ], [ {1.77188} ], [ {347.301} ]
[ {2.0854} ], [ {2.29677} ], [ {2.18709} ], [ {2.72828} ], [ {391.398} ]
[ {2.30423} ], [ {1.90791} ], [ {1.9081} ], [ {1.78693} ], [ {273.157} ]
[ {1.76988} ], [ {1.405} ], [ {2.01726} ], [ {2.58553} ], [ {197.754} ]
[ {2.35798} ], [ {2.22445} ], [ {2.19401} ], [ {2.65297} ], [ {408.027} ]
[ {1.89801} ], [ {1.97949} ], [ {2.51238} ], [ {2.67942} ], [ {339.113} ]
[ {2.74247} ], [ {2.45234} ], [ {2.46201} ], [ {2.88693} ], [ {562.397} ]
[ {2.66126} ], [ {2.43974} ], [ {2.56323} ], [ {2.4928} ], [ {536.05} ]
[ {3.02778} ], [ {2.80113} ], [ {2.67034} ], [ {2.26443} ], [ {696.416} ]
[ {3.12855} ], [ {2.72317} ], [ {3.0638} ], [ {2.54203} ], [ {771.771} ]
[ {3.0704} ], [ {2.41299} ], [ {2.91835} ], [ {2.53617} ], [ {637.847} ]

```

ME19B126

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0114484

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 4

```

[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.0226113}], [ {-0.463778} ], [ {-0.0317536} ], [ {-0.167246} ], [ {7.2748} ]
[{-0.463719}], [ {-0.409329} ], [ {-0.0135203} ], [ {-0.0791475} ], [ {5.0267} ]
[ {0.429527}], [ {-0.144365} ], [ {0.555588} ], [ {0.260945} ], [ {13.1582} ]
[ {0.370086}], [ {0.779674} ], [ {0.812226} ], [ {0.871179} ], [ {24.0288} ]
[ {0.472174}], [ {-0.119118} ], [ {0.735337} ], [ {0.534961} ], [ {18.6291} ]
[ {0.325081}], [ {0.427976} ], [ {-0.0153653} ], [ {0.746187} ], [ {13.6978} ]
[ {1.02462}], [ {0.252044} ], [ {0.546414} ], [ {0.0695223} ], [ {20.7796} ]
[ {1.04484}], [ {0.99128} ], [ {0.615824} ], [ {0.705474} ], [ {43.5009} ]
[ {0.78711}], [ {0.153313} ], [ {0.66553} ], [ {0.608065} ], [ {20.9778} ]
[ {0.805919}], [ {0.419628} ], [ {1.16533} ], [ {0.5453} ], [ {27.3864} ]
[ {1.13955}], [ {1.19069} ], [ {1.37144} ], [ {1.02583} ], [ {77.4519} ]
[ {0.508726}], [ {0.991795} ], [ {1.38507} ], [ {1.33611} ], [ {47.04} ]
[ {1.20613}], [ {1.49221} ], [ {1.48738} ], [ {1.0367} ], [ {109.042} ]
[ {0.81442}], [ {1.45352} ], [ {1.07011} ], [ {1.26154} ], [ {73.6854} ]
[ {1.11141}], [ {0.983771} ], [ {1.07532} ], [ {1.49607} ], [ {63.2438} ]
[ {1.65842}], [ {1.60378} ], [ {1.30273} ], [ {1.80543} ], [ {150.743} ]
[ {1.31756}], [ {1.53669} ], [ {1.74848} ], [ {1.85386} ], [ {147.747} ]
[ {1.13246}], [ {1.84158} ], [ {1.89596} ], [ {1.95419} ], [ {182.033} ]
[ {1.69712}], [ {1.69801} ], [ {1.644} ], [ {1.50074} ], [ {178.325} ]
[ {1.21231}], [ {2.14916} ], [ {1.77808} ], [ {1.52968} ], [ {215.284} ]
[ {1.4478}], [ {1.86099} ], [ {1.87513} ], [ {2.51775} ], [ {224.405} ]
[ {2.38102}], [ {2.45627} ], [ {1.80355} ], [ {1.2689} ], [ {376.828} ]
[ {1.48522}], [ {3.03144} ], [ {2.02444} ], [ {2.28342} ], [ {465.9} ]
[ {1.97649}], [ {1.95757} ], [ {2.32795} ], [ {1.91596} ], [ {308.797} ]
[ {2.1791}], [ {2.22394} ], [ {2.17636} ], [ {2.42839} ], [ {391.42} ]
[ {3.134}], [ {2.4478}], [ {2.98501} ], [ {2.23573} ], [ {668.64} ]
[ {2.79968}], [ {3.137}], [ {2.40632} ], [ {2.66749} ], [ {800.227} ]
[ {2.67322}], [ {2.48433} ], [ {2.45582} ], [ {2.86444} ], [ {585.633} ]
[ {3.00956}], [ {2.82976} ], [ {3.06587} ], [ {2.87179} ], [ {860.559} ]
[ {3.00128}], [ {2.86} ], [ {2.86693} ], [ {3.16687} ], [ {862.023} ]

```

ME19B129

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0324631
Matrix Index 1 = 3, Matrix Index 2 = 1
Parameter No. = 2

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.260233}], [{-0.356762}], [{-0.341542}], [{0.210333}], [{4.42097}]
[0.0482883], [{0.216786}], [{-0.0706018}], [{0.0226773}], [{9.22807}]
[0.422468], [{0.283913}], [{0.455753}], [{-0.187551}], [{13.2704}]
[0.312072], [{-0.127762}], [{0.24184}], [{0.0931387}], [{12.6927}]
[0.208342], [{0.235664}], [{0.00520285}], [{0.155356}], [{11.1526}]
[0.816079], [{0.370593}], [{0.594161}], [{0.452708}], [{21.7239}]
[0.528077], [{0.493706}], [{0.44803}], [{0.728707}], [{19.9794}]
[0.589087], [{0.597297}], [{1.07983}], [{0.544032}], [{25.7135}]
[0.763591], [{1.02032}], [{0.536659}], [{0.900537}], [{35.6388}]
[0.358753], [{0.541502}], [{0.967807}], [{0.72425}], [{18.2996}]
[1.24366], [{1.14534}], [{0.23411}], [{1.19865}], [{45.5353}]
[0.798747], [{1.25129}], [{1.23843}], [{1.08851}], [{63.0585}]
[1.71616], [{1.23445}], [{1.31008}], [{1.12661}], [{99.1163}]
[1.0876], [{1.22421}], [{1.06398}], [{1.43897}], [{70.6703}]
[1.71788], [{0.755398}], [{1.38922}], [{1.27084}], [{74.0271}]
[1.50073], [{1.41585}], [{1.03641}], [{1.1234}], [{93.9987}]
[1.80181], [{2.07714}], [{1.6743}], [{1.5541}], [{232.963}]
[2.14796], [{1.54854}], [{1.92301}], [{1.3019}], [{186.038}]
[1.5735], [{1.57673}], [{1.17834}], [{1.48696}], [{122.297}]
[1.36954], [{1.83278}], [{1.61009}], [{1.91759}], [{171.879}]
[1.68709], [{2.18524}], [{2.32201}], [{2.29016}], [{321.978}]
[1.84363], [{1.5469}], [{2.29588}], [{1.68454}], [{203.509}]
[2.15524], [{2.00256}], [{2.03907}], [{2.2572}], [{305.313}]
[2.01668], [{2.20584}], [{2.29994}], [{2.2875}], [{358.601}]
[2.12299], [{2.26034}], [{2.73746}], [{2.80289}], [{456.792}]
[2.52126], [{2.61488}], [{2.40335}], [{2.57884}], [{545.033}]
[2.41275], [{2.93695}], [{2.71897}], [{2.51734}], [{672.427}]
[2.54447], [{3.17215}], [{2.5522}], [{2.57159}], [{750.317}]
[3.01787], [{2.58426}], [{2.61052}], [{2.78526}], [{649.996}]
[2.94232], [{3.31483}], [{2.89146}], [{2.46503}], [{929.615}]
```

ME19B131

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0282813
Matrix Index 1 = 4, Matrix Index 2 = 2
Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.168014}], [{0.571083}], [{0.0491161}], [{0.538098}], [{9.16749}]
[0.312895], [{0.356638}], [{0.286972}], [{-0.0169882}], [{14.5674}]
[0.0191462], [{0.415223}], [{-0.569429}], [{0.37447}], [{9.87205}]
[0.314231], [{-0.467562}], [{0.706843}], [{0.533723}], [{17.7801}]
[0.209977], [{0.325734}], [{0.628807}], [{0.36832}], [{15.4028}]
[0.864382], [{0.370399}], [{0.947434}], [{1.03377}], [{31.195}]
[0.802963], [{0.287248}], [{0.513759}], [{0.723578}], [{24.2096}]
[0.880184], [{0.550896}], [{0.178615}], [{0.363042}], [{23.1604}]
[0.525228], [{0.399683}], [{1.43713}], [{0.390354}], [{23.3739}]
[0.660777], [{0.770861}], [{1.04535}], [{0.77104}], [{34.0555}]
[0.49192], [{0.576553}], [{0.444597}], [{0.777472}], [{20.3927}]
```

[{0.702107}], [{1.25169}], [{1.33059}], [{1.53655}], [{64.3175}]
[1.55965], [0.973615], [{1.48292}], [{0.919962}], [{78.2208}]
[{1.53286}], [{1.29036}], [{0.741008}], [{0.42253}], [{71.0472}]
[{1.12258}], [{1.35595}], [{1.54164}], [{1.30112}], [{95.0748}]
[{1.25536}], [{1.17883}], [{1.70507}], [{1.00087}], [{87.5342}]
[{2.15791}], [{1.41105}], [{1.52259}], [{1.99277}], [{174.541}]
[{1.24793}], [{1.69071}], [{1.67375}], [{1.38069}], [{136.94}]
[{1.64311}], [{1.82125}], [{1.67093}], [{2.3199}], [{204.258}]
[{1.7039}], [{1.93516}], [{1.92334}], [{2.53049}], [{252.608}]
[{1.7506}], [{2.11113}], [{2.02823}], [{1.93894}], [{271.742}]
[{2.01375}], [{1.64872}], [{2.3704}], [{2.35435}], [{269.931}]
[{1.96078}], [{1.77554}], [{1.98465}], [{2.09182}], [{243.928}]
[{2.78162}], [{2.50796}], [{1.71636}], [{1.95434}], [{429.278}]
[{2.0272}], [{2.20727}], [{2.65933}], [{2.45546}], [{399.346}]
[{2.2302}], [{2.35194}], [{2.37899}], [{2.57804}], [{435.553}]
[{2.17507}], [{2.62239}], [{2.55166}], [{2.77116}], [{522.443}]
[{2.79709}], [{2.50248}], [{2.46018}], [{3.09827}], [{597.986}]
[{2.60541}], [{2.77891}], [{2.68555}], [{2.49031}], [{635.095}]
[{2.54977}], [{2.74273}], [{2.53258}], [{2.80337}], [{616.118}]

ME19B132

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0273381

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 1

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.179003}], [{0.813367}], [{0.28133}], [{0.318025}], [{16.4031}]
[{-0.0904016}], [{0.406681}], [{0.505407}], [{0.0987556}], [{12.8349}]
[{-0.00849504}], [{-0.279756}], [{-0.232988}], [{0.571438}], [{10.5231}]
[{0.538377}], [{0.188462}], [{0.91848}], [{0.105204}], [{18.7464}]
[{0.373034}], [{0.62769}], [{0.628865}], [{0.0510764}], [{18.7292}]
[{0.580193}], [{0.241672}], [{0.396186}], [{1.00025}], [{19.261}]
[{1.32228}], [{0.540803}], [{0.795512}], [{0.33484}], [{36.4123}]
[{0.796135}], [{0.500963}], [{0.43859}], [{0.150159}], [{23.6808}]
[{0.725558}], [{1.25232}], [{0.556995}], [{0.588678}], [{43.26}]
[{0.904395}], [{1.19452}], [{1.03451}], [{0.493678}], [{54.0357}]
[{1.09985}], [{0.929033}], [{1.23685}], [{1.20863}], [{62.2252}]
[{1.83944}], [{0.716622}], [{0.976112}], [{0.936741}], [{63.0802}]
[{0.868534}], [{1.10116}], [{1.51205}], [{1.83973}], [{71.3447}]
[{1.1451}], [{0.991655}], [{1.0038}], [{1.37949}], [{62.9026}]
[{1.7512}], [{1.53661}], [{1.61356}], [{1.37428}], [{149.621}]
[{1.62272}], [{1.65184}], [{1.64464}], [{1.09784}], [{146.482}]
[{1.01055}], [{1.28017}], [{1.5903}], [{1.39913}], [{88.0129}]
[{2.12939}], [{1.79888}], [{1.79283}], [{1.59448}], [{225.996}]
[{1.38256}], [{2.16602}], [{1.44335}], [{1.24893}], [{185.089}]
[{2.06139}], [{1.6307}], [{2.27235}], [{1.8218}], [{235.942}]
[{2.16404}], [{1.75391}], [{1.98958}], [{2.09677}], [{253.907}]
[{2.15479}], [{1.97239}], [{2.40625}], [{2.2534}], [{326.88}]
[{2.22611}], [{2.82887}], [{2.60498}], [{1.80054}], [{526.102}]
[{2.49009}], [{2.42265}], [{2.43185}], [{1.98053}], [{446.762}]
[{2.31768}], [{2.47916}], [{2.12776}], [{2.61822}], [{439.472}]
[{2.87649}], [{2.35567}], [{2.90444}], [{2.40447}], [{563.731}]
[{2.40596}], [{2.01565}], [{2.34494}], [{2.0764}], [{348.631}]]

```
[{2.80233}], [{2.54854}], [{2.80114}], [{3.18091}], [{655.578}]
[{3.12332}], [{2.73836}], [{2.62955}], [{2.40396}], [{676.511}]
[{3.24032}], [{3.1901}], [{3.30656}], [{2.79905}], [{1012.96}]
```

ME19B135

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0223856

Matrix Index 1 = 2, Matrix Index 2 = 5

Parameter No. = 1

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.605811}], [{-0.443495}], [{-0.142249}], [{-0.0764668}], [{1.42721}]
[{-0.199981}], [{-0.188494}], [{0.426996}], [{-0.524972}], [{8.02291}]
[{-0.220264}], [{0.429573}], [{0.322284}], [{-0.056986}], [{8.33384}]
[{0.304589}], [{0.118977}], [{-0.026587}], [{0.211149}], [{12.5286}]
[{0.354536}], [{0.56576}], [{0.261669}], [{0.36055}], [{13.945}]
[{0.468067}], [{0.337879}], [{0.178305}], [{-0.0505673}], [{14.7452}]
[{0.815426}], [{0.773313}], [{0.31525}], [{0.855638}], [{24.503}]
[{0.826375}], [{1.33895}], [{1.11954}], [{1.12731}], [{64.3775}]
[{1.1702}], [{0.333584}], [{1.15757}], [{0.68435}], [{34.9873}]
[{0.66693}], [{0.288597}], [{1.03965}], [{1.47167}], [{27.8502}]
[{0.812636}], [{0.0859468}], [{0.670113}], [{1.05337}], [{23.1722}]
[{1.35759}], [{0.904399}], [{0.714269}], [{1.478}], [{55.353}]
[{1.28883}], [{0.976424}], [{0.968038}], [{1.11037}], [{57.2053}]
[{1.35725}], [{1.55636}], [{1.2282}], [{1.49732}], [{112.039}]
[{1.33247}], [{1.1754}], [{1.53525}], [{1.5874}], [{95.0702}]
[{2.28983}], [{1.26744}], [{1.33452}], [{1.05376}], [{121.228}]
[{1.86116}], [{1.38068}], [{1.41175}], [{1.60096}], [{134.7}]
[{1.398}], [{1.53182}], [{1.43507}], [{2.20983}], [{136.113}]
[{2.04653}], [{2.55524}], [{1.81908}], [{1.85882}], [{354.291}]
[{1.85091}], [{1.9367}], [{1.74498}], [{2.20385}], [{235.925}]
[{2.02547}], [{1.74327}], [{2.03317}], [{2.7086}], [{268.254}]
[{2.04688}], [{2.0862}], [{2.17858}], [{2.37751}], [{324.07}]
[{2.56291}], [{2.35234}], [{2.50814}], [{2.14094}], [{459.181}]
[{2.71877}], [{1.98521}], [{2.71736}], [{2.2925}], [{425.654}]
[{2.44505}], [{2.70846}], [{2.38366}], [{1.61911}], [{488.157}]
[{2.23046}], [{1.73869}], [{2.0344}], [{2.89717}], [{297.908}]
[{2.58461}], [{2.28475}], [{2.00475}], [{2.48863}], [{408.844}]
[{3.28081}], [{2.64318}], [{2.47765}], [{2.2865}], [{638.743}]
[{2.30598}], [{2.79057}], [{2.02628}], [{2.78032}], [{507.569}]
[{3.0532}], [{3.09248}], [{3.08983}], [{3.14825}], [{940.417}]
```

ME19B142

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0459227

Matrix Index 1 = 5, Matrix Index 2 = 3

Parameter No. = 3

```
[%{ X1 },[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{-0.112427}], [{-0.054442}], [{0.227566}], [{0.211926}], [{9.6979}]
[{0.130789}], [{0.0577801}], [{-0.239563}], [{-0.171135}], [{12.0505}]
[{0.296686}], [{0.340307}], [{0.509698}], [{0.103606}], [{16.3362}]
[{0.147873}], [{0.0484885}], [{0.386327}], [{-0.418706}], [{12.0704}]
[{0.744072}], [{0.416277}], [{0.0925777}], [{0.087052}], [{20.7931}]
```

[[{0.561277}], [{-0.0674784}], [{0.333608}], [{0.198913}], [{17.0442}]
 [[{0.12603}], [{0.356425}], [{0.656021}], [{0.345259}], [{13.2238}]
 [[{0.235245}], [{1.39131}], [{0.960287}], [{0.735239}], [{40.2146}]
 [[{1.2114}], [{0.773394}], [{1.01955}], [{1.21243}], [{60.4591}]
 [[{0.647301}], [{1.01466}], [{0.993805}], [{0.90823}], [{44.719}]
 [[{1.47774}], [{0.579629}], [{0.858123}], [{0.723211}], [{47.009}]
 [[{1.16784}], [{0.964585}], [{1.49768}], [{1.06353}], [{77.2899}]
 [[{1.61583}], [{1.39895}], [{1.2601}], [{0.953607}], [{116.265}]
 [[{1.54815}], [{1.36666}], [{1.82848}], [{1.04721}], [{136.095}]
 [[{1.31767}], [{1.59712}], [{1.37646}], [{0.764766}], [{117.714}]
 [[{1.5394}], [{1.71431}], [{1.75637}], [{1.62674}], [{192.534}]
 [[{1.69713}], [{1.70602}], [{1.23285}], [{1.25173}], [{156.057}]
 [[{1.45969}], [{2.0555}], [{2.16928}], [{1.36841}], [{251.982}]
 [[{1.90676}], [{2.35554}], [{1.42942}], [{1.62994}], [{286.621}]
 [[{1.7688}], [{1.61918}], [{1.55517}], [{1.84587}], [{191.248}]
 [[{1.94413}], [{1.3993}], [{2.51544}], [{1.32543}], [{216.192}]
 [[{1.54316}], [{2.06475}], [{1.63059}], [{2.40452}], [{255.721}]
 [[{2.14183}], [{2.24851}], [{2.27748}], [{2.2068}], [{420.514}]
 [[{2.33172}], [{1.7364}], [{2.07212}], [{2.69571}], [{358.34}]
 [[{2.50883}], [{1.78365}], [{2.76134}], [{2.49309}], [{455.287}]
 [[{2.08849}], [{2.11339}], [{2.57591}], [{2.97442}], [{476.014}]
 [[{2.99931}], [{3.55628}], [{2.39064}], [{2.85994}], [{1038.01}]
 [[{2.53226}], [{2.85953}], [{2.96855}], [{2.25852}], [{751.609}]
 [[{2.58521}], [{2.64595}], [{2.54565}], [{2.72325}], [{666.933}]
 [[{2.93847}], [{2.93211}], [{2.74196}], [{2.88994}], [{879.094}]]

ME19B143

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0388993

Matrix Index 1 = 1, Matrix Index 2 = 2

Parameter No. = 1

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
 [[{-0.230554}], [{-0.0401662}], [{-0.549214}], [{-0.276713}], [{7.38782}]
 [[{0.295884}], [{0.492315}], [{-0.447676}], [{0.414282}], [{12.2047}]
 [[{0.381807}], [{0.544756}], [{0.00250713}], [{0.168312}], [{15.1418}]
 [[{0.512669}], [{0.281439}], [{0.5073}], [{0.709304}], [{18.1109}]
 [[{0.440108}], [{0.180372}], [{0.791874}], [{0.486119}], [{17.1138}]
 [[{1.32063}], [{0.364662}], [{0.328551}], [{0.561535}], [{27.3092}]
 [[{0.529744}], [{0.282411}], [{1.10872}], [{0.523097}], [{20.9819}]
 [[{0.635836}], [{0.610119}], [{0.0616038}], [{1.35106}], [{18.8188}]
 [[{0.851641}], [{0.347352}], [{0.674105}], [{1.21114}], [{26.9228}]
 [[{0.842364}], [{0.431481}], [{0.388377}], [{0.39704}], [{21.8872}]
 [[{1.13025}], [{1.03189}], [{0.954564}], [{1.06867}], [{53.2767}]
 [[{1.34663}], [{1.20433}], [{0.665301}], [{1.46228}], [{61.9022}]
 [[{1.39061}], [{0.614371}], [{0.913411}], [{0.876084}], [{43.0123}]
 [[{1.46165}], [{1.62593}], [{1.39383}], [{1.76521}], [{127.466}]
 [[{1.5629}], [{1.29172}], [{1.26135}], [{2.25728}], [{107.455}]
 [[{1.37257}], [{1.63936}], [{1.33155}], [{1.19335}], [{110.25}]
 [[{1.70924}], [{1.54974}], [{1.89339}], [{2.14017}], [{170.84}]
 [[{1.58837}], [{1.52251}], [{1.65424}], [{1.51833}], [{132.715}]
 [[{1.83491}], [{2.33583}], [{1.83174}], [{1.8241}], [{271.545}]
 [[{1.338}], [{2.11163}], [{1.68641}], [{1.93166}], [{192.525}]
 [[{1.79128}], [{2.29688}], [{2.04344}], [{1.7241}], [{278.509}]]

```
[{1.60323}], [{2.2707}], [{1.74226}], [{1.93167}], [{237.581}]
[{2.60783}], [{2.16711}], [{2.65582}], [{1.99215}], [{395.141}]
[{2.2026}], [{2.05294}], [{2.56807}], [{2.3012}], [{340.239}]
[{2.28184}], [{2.18535}], [{2.42293}], [{2.53237}], [{373.236}]
[{1.71293}], [{1.71628}], [{2.41431}], [{2.68981}], [{245.825}]
[{3.14291}], [{2.56792}], [{2.64827}], [{3.09374}], [{628.325}]
[{2.84179}], [{2.2759}], [{2.36838}], [{3.10501}], [{478.358}]
[{2.80938}], [{2.79418}], [{3.2284}], [{2.41036}], [{683.609}]
[{2.53624}], [{2.41076}], [{3.21385}], [{3.04185}], [{579.7}]
```

ME19B180

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0284147

Matrix Index 1 = 4, Matrix Index 2 = 1

Parameter No. = 4

```
[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{-0.0162869}, [{0.061024}], [{-0.347635}], [{0.121967}], [{10.8711}]
[{-0.0401395}, [{0.19193}], [{0.333124}], [{0.390373}], [{11.6247}]
[{-0.0184234}], [{0.540115}], [{0.06543}], [{0.33927}], [{10.3958}]
[{-0.0657386}], [{0.33605}], [{0.00371651}], [{0.375001}], [{10.2425}]
[{0.292049}], [{0.535307}], [{0.582204}], [{0.32328}], [{15.9263}]
[{0.684954}], [{0.376827}], [{0.767015}], [{0.348281}], [{23.7841}]
[{0.64774}], [{0.730371}], [{0.331611}], [{0.616072}], [{23.8412}]
[{0.220425}], [{0.347852}], [{0.531758}], [{0.351919}], [{15.1699}]
[{1.02799}], [{0.448179}], [{0.600629}], [{0.918163}], [{33.7792}]
[{0.589179}], [{1.12631}], [{1.16716}], [{1.30086}], [{48.1241}]
[{1.07814}], [{1.2784}], [{0.770266}], [{1.06672}], [{61.2777}]
[{1.03087}], [{1.27789}], [{1.54807}], [{1.30082}], [{84.5448}]
[{0.727284}], [{1.10872}], [{1.01776}], [{1.522}], [{51.5896}]
[{1.84185}], [{0.76813}], [{1.63711}], [{0.852959}], [{79.5696}]
[{1.34634}], [{1.45296}], [{1.22455}], [{1.71736}], [{107.578}]
[{1.70454}], [{1.5297}], [{1.39437}], [{2.07693}], [{149.108}]
[{1.53545}], [{1.67829}], [{1.31944}], [{1.53695}], [{135.42}]
[{2.11891}], [{2.00221}], [{1.64081}], [{1.30769}], [{222.691}]
[{2.29138}], [{1.86949}], [{1.97193}], [{1.99625}], [{268.596}]
[{1.76363}], [{1.63571}], [{1.9113}], [{1.34741}], [{170.493}]
[{2.19078}], [{1.69677}], [{1.95211}], [{2.08837}], [{238.772}]
[{2.41475}], [{2.96121}], [{1.80963}], [{1.98491}], [{468.719}]
[{2.19019}], [{2.47508}], [{2.29507}], [{2.59036}], [{423.875}]
[{2.52732}], [{1.65634}], [{2.72143}], [{1.97882}], [{315.619}]
[{2.01926}], [{2.10578}], [{1.8065}], [{2.52923}], [{288.022}]
[{2.22426}], [{2.74477}], [{2.51551}], [{1.92717}], [{479.09}]
[{2.86248}], [{2.79749}], [{2.3189}], [{2.82042}], [{609.762}]
[{2.47121}], [{2.89779}], [{3.38399}], [{1.79653}], [{656.123}]
[{2.97702}], [{2.7116}], [{2.9996}], [{2.30193}], [{665.149}]
[{3.03286}], [{2.62163}], [{3.20792}], [{2.98438}], [{741.486}]
```

ME19B187

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0358195

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 1

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[ {0.0865259}], [ {0.0276474}], [ {0.276962}], [ {-0.534923}], [ {7.11332}]
[ {0.341417}], [ {0.143842}], [ {0.400535}], [ {0.0420711}], [ {11.9173}]
[ {0.495203}], [ {-0.0724938}], [ {-0.0149208}], [ {-0.00663479}], [ {14.496}]
[ {0.649107}], [ {0.451387}], [ {0.339053}], [ {0.273737}], [ {17.7572}]
[ {0.203943}], [ {0.540184}], [ {0.391543}], [ {0.486755}], [ {12.4289}]
[ {0.853562}], [ {0.586897}], [ {0.479493}], [ {0.820137}], [ {23.2259}]
[ {0.41486}], [ {0.781146}], [ {0.823282}], [ {0.877066}], [ {21.7556}]
[ {1.04476}], [ {0.367772}], [ {0.425811}], [ {0.378585}], [ {22.654}]
[ {0.51581}], [ {1.46603}], [ {1.08669}], [ {0.813743}], [ {49.0233}]
[ {0.495256}], [ {1.18078}], [ {0.998794}], [ {1.2885}], [ {38.6328}]
[ {0.744978}], [ {0.962416}], [ {0.911457}], [ {0.786674}], [ {34.1325}]
[ {0.436634}], [ {0.993556}], [ {0.608765}], [ {1.1702}], [ {24.6376}]
[ {1.63366}], [ {1.37392}], [ {1.64157}], [ {1.26404}], [ {116.274}]
[ {1.3544}], [ {1.36762}], [ {1.88738}], [ {0.984597}], [ {104.152}]
[ {1.10184}], [ {1.5786}], [ {1.13311}], [ {1.68826}], [ {93.2041}]
[ {1.88432}], [ {1.39934}], [ {1.43578}], [ {1.22564}], [ {123.997}]
[ {1.12788}], [ {1.37243}], [ {1.85942}], [ {1.08798}], [ {94.6659}]
[ {1.83536}], [ {1.85659}], [ {1.31893}], [ {1.6269}], [ {173.254}]
[ {2.13579}], [ {1.9613}], [ {2.13192}], [ {1.8854}], [ {271.723}]
[ {1.65409}], [ {1.42117}], [ {1.56184}], [ {2.90863}], [ {158.835}]
[ {2.08358}], [ {1.68789}], [ {1.95375}], [ {2.70229}], [ {246.774}]
[ {1.97763}], [ {1.89779}], [ {1.53518}], [ {1.95988}], [ {210.674}]
[ {1.85086}], [ {2.18406}], [ {2.63479}], [ {2.5603}], [ {353.94}]
[ {2.36707}], [ {2.37687}], [ {2.47191}], [ {2.3414}], [ {431.846}]
[ {2.48036}], [ {2.11865}], [ {2.04785}], [ {2.56014}], [ {358.862}]
[ {2.54267}], [ {2.87299}], [ {2.30888}], [ {2.79726}], [ {590.569}]
[ {2.45051}], [ {2.40056}], [ {2.73661}], [ {2.33267}], [ {476.002}]
[ {2.7062}], [ {2.2315}], [ {2.95333}], [ {1.86785}], [ {455.022}]
[ {2.16967}], [ {3.34451}], [ {2.6406}], [ {3.35137}], [ {742.776}]
[ {2.91333}], [ {2.69681}], [ {3.55054}], [ {2.9076}], [ {781.98}]

```

ME19B189

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0399454

Matrix Index 1 = 5, Matrix Index 2 = 5

Parameter No. = 1

```

[%{ X1 }, [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[ {0.052282}], [ {-0.0676555}], [ {0.132001}], [ {0.000274471}], [ {11.0535}]
[ {0.427076}], [ {0.318817}], [ {0.518134}], [ {-0.218721}], [ {14.8645}]
[ {0.183428}], [ {-0.0382881}], [ {0.0811061}], [ {-0.265151}], [ {11.7456}]
[ {0.17194}], [ {0.53194}], [ {0.246815}], [ {-0.133212}], [ {15.2513}]
[ {0.800715}], [ {-0.0270861}], [ {0.872957}], [ {0.629715}], [ {21.6883}]
[ {0.608307}], [ {0.407139}], [ {1.18206}], [ {0.0327134}], [ {21.6153}]
[ {1.24011}], [ {0.496942}], [ {0.33219}], [ {0.493681}], [ {29.5312}]
[ {1.3465}], [ {1.20636}], [ {1.06306}], [ {0.540086}], [ {66.6568}]
[ {1.15667}], [ {0.799004}], [ {1.69961}], [ {0.556546}], [ {51.9153}]
[ {1.01917}], [ {0.54846}], [ {0.862073}], [ {1.1809}], [ {37.5162}]
[ {1.03257}], [ {0.899516}], [ {0.560924}], [ {0.736206}], [ {38.7777}]
[ {1.27378}], [ {0.93639}], [ {0.668321}], [ {0.177102}], [ {42.4547}]
[ {1.00476}], [ {0.784694}], [ {1.36392}], [ {1.20982}], [ {49.8303}]
[ {1.78908}], [ {1.0865}], [ {1.2611}], [ {0.845778}], [ {82.5048}]
[ {1.60401}], [ {1.56682}], [ {1.43841}], [ {1.26327}], [ {131.24}]

```

```

[ {1.58912} ], [ {1.8217} ], [ {1.58975} ], [ {1.34928} ], [ {166.636} ]
[ {1.35261} ], [ {1.52686} ], [ {1.41009} ], [ {1.19873} ], [ {109.881} ]
[ {2.20352} ], [ {1.19944} ], [ {1.81779} ], [ {0.871794} ], [ {125.484} ]
[ {1.91577} ], [ {2.42621} ], [ {1.77544} ], [ {1.80985} ], [ {309.213} ]
[ {1.9326} ], [ {2.25265} ], [ {2.12821} ], [ {1.56613} ], [ {300.328} ]
[ {1.96761} ], [ {2.14044} ], [ {1.32736} ], [ {1.73831} ], [ {228.045} ]
[ {2.06984} ], [ {1.71329} ], [ {1.59407} ], [ {1.81272} ], [ {196.902} ]
[ {1.46373} ], [ {2.0229} ], [ {2.18738} ], [ {2.71568} ], [ {258.494} ]
[ {2.67197} ], [ {1.94832} ], [ {2.68826} ], [ {2.58384} ], [ {415.426} ]
[ {2.19566} ], [ {2.05218} ], [ {2.25761} ], [ {2.59727} ], [ {342.514} ]
[ {2.62672} ], [ {3.01916} ], [ {2.65112} ], [ {2.44721} ], [ {688.58} ]
[ {2.62594} ], [ {2.27896} ], [ {3.0438} ], [ {2.98816} ], [ {556.523} ]
[ {2.93612} ], [ {2.6128} ], [ {2.63696} ], [ {2.93253} ], [ {638.581} ]
[ {3.13379} ], [ {2.53187} ], [ {3.33519} ], [ {2.83019} ], [ {736.54} ]
[ {3.36548} ], [ {2.91593} ], [ {2.29829} ], [ {2.77137} ], [ {739.54} ]

```

MM19B004

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0122754

Matrix Index 1 = 1, Matrix Index 2 = 5

Parameter No. = 5

```

[%{ X1 },{ X2 }&,{ X3 },{ X4 }$],[@{ Y }]
[{-0.145484}], [ {-0.387591} ], [ {-0.0724899} ], [ {-0.0556533} ], [ {10.5116} ]
[{-0.0648976}], [ {0.0250705} ], [ {1.03414} ], [ {-0.0157045} ], [ {12.0003} ]
[{-0.22941}], [ {-0.418549} ], [ {0.522917} ], [ {-0.148978} ], [ {9.86587} ]
[ {0.577146}], [ {0.591001} ], [ {0.14783} ], [ {0.0640899} ], [ {20.2085} ]
[ {0.508093}], [ {-0.205107} ], [ {-0.076152} ], [ {-0.0599446} ], [ {17.7413} ]
[ {0.678494}], [ {0.824497} ], [ {0.787237} ], [ {0.917048} ], [ {34.4696} ]
[ {0.648399}], [ {0.393114} ], [ {0.793668} ], [ {0.0777869} ], [ {24.9816} ]
[ {0.675947}], [ {0.500944} ], [ {0.4076} ], [ {0.931049} ], [ {25.7333} ]
[ {1.16367}], [ {0.669325} ], [ {0.671848} ], [ {0.175207} ], [ {36.0789} ]
[ {0.647572}], [ {0.732099} ], [ {0.829617} ], [ {1.02054} ], [ {33.6206} ]
[ {0.97951}], [ {1.07023} ], [ {1.25583} ], [ {1.02452} ], [ {61.7349} ]
[ {0.661354}], [ {1.24393} ], [ {0.800151} ], [ {1.38045} ], [ {49.5842} ]
[ {1.21749}], [ {1.29932} ], [ {1.4306} ], [ {0.798054} ], [ {82.1056} ]
[ {1.48133}], [ {1.41025} ], [ {1.42306} ], [ {1.64981} ], [ {121.274} ]
[ {1.6133}], [ {2.02441} ], [ {1.65244} ], [ {1.32294} ], [ {192.114} ]
[ {1.17412}], [ {1.93244} ], [ {0.920054} ], [ {1.30107} ], [ {113.81} ]
[ {1.46134}], [ {1.58987} ], [ {1.7826} ], [ {1.60541} ], [ {149.698} ]
[ {1.51687}], [ {1.59962} ], [ {1.76614} ], [ {1.36499} ], [ {147.55} ]
[ {1.31446}], [ {2.02138} ], [ {1.68319} ], [ {1.66746} ], [ {181.085} ]
[ {1.58656}], [ {1.95928} ], [ {1.59101} ], [ {1.99984} ], [ {197.348} ]
[ {2.13512}], [ {2.18767} ], [ {1.8674} ], [ {2.07385} ], [ {300.509} ]
[ {2.16084}], [ {2.27685} ], [ {2.56973} ], [ {1.73365} ], [ {368.602} ]
[ {2.23147}], [ {2.29106} ], [ {2.19822} ], [ {1.93815} ], [ {352.884} ]
[ {2.1869}], [ {2.33449} ], [ {1.94629} ], [ {2.09278} ], [ {339.046} ]
[ {2.28553}], [ {2.2075} ], [ {2.09747} ], [ {2.04646} ], [ {338.451} ]
[ {2.55956}], [ {2.16954} ], [ {2.9147} ], [ {2.36757} ], [ {472.311} ]
[ {2.24508}], [ {2.73501} ], [ {2.57448} ], [ {2.91104} ], [ {551.85} ]
[ {2.36419}], [ {2.31475} ], [ {3.09018} ], [ {2.79574} ], [ {533.832} ]
[ {2.7299}], [ {2.8712} ], [ {2.0785} ], [ {2.76276} ], [ {569.136} ]
[ {3.00416}], [ {3.12603} ], [ {2.85955} ], [ {3.10849} ], [ {856.919} ]

```

MM19B006

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0116974

Matrix Index 1 = 2, Matrix Index 2 = 3

Parameter No. = 1

[%{ X1 },{ X2 }&,{ X3 },{ X4 }\$],[@{ Y }]
[{-0.258146}],[{-0.00514804}],[{-0.215422}],[{0.0724614}],[{8.60898}]
[{0.459108}],[{0.0729635}],[{0.202447}],[{0.350118}],[{17.3611}]
[{0.0661094}],[{0.821498}],[{-0.514553}],[{0.732451}],[{9.08153}]
[{0.450375}],[{0.255584}],[{0.248394}],[{-0.249003}],[{16.2345}]
[{0.880711}],[{0.280999}],[{0.467823}],[{0.0473516}],[{21.507}]
[{0.0817014}],[{0.375263}],[{0.55526}],[{0.817297}],[{13.4705}]
[{0.663425}],[{0.522221}],[{0.52945}],[{0.682227}],[{22.441}]
[{0.711054}],[{0.315559}],[{0.589534}],[{0.735979}],[{22.9103}]
[{0.908118}],[{0.789107}],[{0.642712}],[{1.0311}],[{39.6767}]
[{0.955863}],[{0.390814}],[{1.29531}],[{1.45527}],[{44.3575}]
[{1.35262}],[{0.786747}],[{0.890277}],[{1.05452}],[{54.014}]
[{1.33511}],[{1.46526}],[{1.8359}],[{1.10651}],[{121.098}]
[{0.976444}],[{1.36107}],[{1.54572}],[{0.901226}],[{80.3417}]
[{1.72131}],[{1.38372}],[{1.22208}],[{1.42983}],[{113.778}]
[{1.38927}],[{0.5731}],[{1.37806}],[{0.845255}],[{55.7076}]
[{1.36059}],[{1.42594}],[{1.73284}],[{1.25972}],[{119.423}]
[{1.60184}],[{1.71044}],[{1.40258}],[{0.728008}],[{127.081}]
[{2.02931}],[{1.6997}],[{1.87684}],[{1.87191}],[{220.17}]
[{1.87125}],[{1.88159}],[{1.77141}],[{2.11138}],[{231.008}]
[{2.12538}],[{2.1129}],[{2.08744}],[{1.94571}],[{308.063}]
[{1.77688}],[{1.80544}],[{2.11077}],[{2.13121}],[{243.07}]
[{2.19487}],[{2.2033}],[{1.91808}],[{1.68986}],[{297.163}]
[{1.92042}],[{2.74517}],[{2.04813}],[{1.55656}],[{372.89}]
[{2.25814}],[{2.54154}],[{2.05897}],[{1.98947}],[{394.469}]
[{2.83718}],[{2.93287}],[{1.86899}],[{1.99143}],[{524.809}]
[{1.95556}],[{2.98443}],[{2.96973}],[{2.36316}],[{600.574}]
[{2.21545}],[{2.48153}],[{2.56256}],[{2.43365}],[{469.831}]
[{2.93865}],[{2.6256}],[{2.67059}],[{3.05432}],[{679.126}]
[{2.89224}],[{2.76487}],[{2.93617}],[{3.49179}],[{801.113}]
[{3.544}],[{3.04756}],[{2.63861}],[{2.70822}],[{863.386}]

MM19B007

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0201337

Matrix Index 1 = 3, Matrix Index 2 = 1

Parameter No. = 5

[%{ X1 },{ X2 }&,{ X3 },{ X4 }\$],[@{ Y }]
[{0.138062}],[{-0.217498}],[{0.196682}],[{0.021136}],[{13.0207}]
[{0.55628}],[{0.54769}],[{0.106017}],[{-0.393284}],[{19.1417}]
[{0.0629261}],[{0.410891}],[{0.621463}],[{0.402931}],[{11.4883}]
[{0.0978851}],[{0.104375}],[{-0.376322}],[{0.781864}],[{11.0614}]
[{0.652261}],[{0.373714}],[{0.730882}],[{0.507077}],[{20.3064}]
[{0.495338}],[{0.165823}],[{0.142373}],[{0.622829}],[{17.8969}]
[{-0.0241083}],[{0.208562}],[{-0.190842}],[{0.857219}],[{9.66977}]
[{0.593186}],[{1.09746}],[{0.343587}],[{1.1172}],[{27.9492}]
[{0.803642}],[{1.04608}],[{0.818789}],[{0.706312}],[{36.6424}]

[{0.73523}], [{0.886808}], [{1.17339}], [{1.18424}], [{38.3852}]
[{1.40216}], [{0.899701}], [{1.23951}], [{1.11275}], [{58.8587}]
[{1.23668}], [{0.802727}], [{1.05972}], [{1.26834}], [{49.381}]
[{1.52906}], [{1.41452}], [{1.52895}], [{1.14621}], [{99.0412}]
[{1.48965}], [{1.14585}], [{0.874606}], [{1.23257}], [{66.6202}]
[{1.22829}], [{0.896893}], [{1.81203}], [{1.50171}], [{69.5042}]
[{1.68087}], [{1.40502}], [{1.26849}], [{1.90499}], [{110.87}]
[{1.35263}], [{1.14076}], [{1.48527}], [{1.68343}], [{83.3568}]
[{1.9894}], [{1.39991}], [{1.88363}], [{1.68198}], [{145.215}]
[{2.27823}], [{1.6343}], [{1.8024}], [{1.58128}], [{178.156}]
[{1.40256}], [{2.23135}], [{1.71509}], [{1.66629}], [{184.987}]
[{1.83267}], [{1.61678}], [{1.63054}], [{2.14038}], [{156.232}]
[{1.91408}], [{1.70015}], [{2.45258}], [{2.4495}], [{230.572}]
[{2.58303}], [{1.90578}], [{2.20543}], [{2.49076}], [{299.743}]
[{2.25118}], [{2.29211}], [{2.76868}], [{2.28263}], [{368.955}]
[{2.99573}], [{2.67173}], [{2.73958}], [{2.38195}], [{545.574}]
[{2.32587}], [{2.62487}], [{2.40703}], [{2.3075}], [{410.309}]
[{2.29147}], [{2.36414}], [{2.53121}], [{2.81038}], [{392.247}]
[{2.51946}], [{2.64445}], [{3.03405}], [{2.81695}], [{533.312}]
[{2.72918}], [{2.37283}], [{2.85753}], [{2.39242}], [{453.829}]
[{2.75452}], [{2.80345}], [{2.83538}], [{2.84113}], [{587.615}]

MM19B008

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0198314

Matrix Index 1 = 3, Matrix Index 2 = 1

Parameter No. = 4

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{0.135693}], [{0.183639}], [{0.112734}], [{-0.0770407}], [{11.1015}]
[{-0.107525}], [{-0.189443}], [{0.00191104}], [{-0.0401048}], [{9.00412}]
[{-0.0999323}], [{0.527704}], [{0.68636}], [{-0.163183}], [{9.63672}]
[{0.320281}], [{-0.379249}], [{0.310362}], [{0.325205}], [{13.3678}]
[{-0.199041}], [{0.30844}], [{0.121654}], [{0.554631}], [{7.70986}]
[{0.654614}], [{0.0805698}], [{0.146031}], [{0.297675}], [{16.0471}]
[{0.0574178}], [{0.847693}], [{0.850804}], [{0.966028}], [{18.5522}]
[{0.99677}], [{0.842363}], [{1.36752}], [{0.546204}], [{43.4064}]
[{0.0341201}], [{0.150611}], [{1.04662}], [{0.864137}], [{11.6153}]
[{0.671138}], [{0.95572}], [{1.33195}], [{0.746127}], [{40.1872}]
[{1.3201}], [{0.806536}], [{0.511396}], [{1.28389}], [{41.5684}]
[{1.29655}], [{0.710686}], [{1.4665}], [{0.820764}], [{52.2468}]
[{1.36133}], [{1.23381}], [{1.13592}], [{0.901825}], [{74.2547}]
[{1.52778}], [{0.876808}], [{0.779121}], [{1.41539}], [{59.3185}]
[{1.44049}], [{1.49448}], [{1.69643}], [{1.7245}], [{136.025}]
[{1.0966}], [{2.00346}], [{1.36838}], [{1.60171}], [{143.676}]
[{1.57768}], [{1.94064}], [{1.19742}], [{2.43538}], [{175.8}]
[{1.81563}], [{2.19443}], [{1.73981}], [{1.67809}], [{254.872}]
[{2.03896}], [{1.76773}], [{1.71516}], [{1.57808}], [{203.519}]
[{2.03536}], [{2.14976}], [{1.97779}], [{2.10225}], [{299.083}]
[{1.62451}], [{2.69982}], [{1.8094}], [{1.55167}], [{327.245}]
[{2.21686}], [{1.94759}], [{1.2307}], [{2.21783}], [{221.862}]
[{2.22944}], [{1.99753}], [{2.2314}], [{2.08071}], [{313.418}]
[{2.11041}], [{2.00898}], [{2.1301}], [{2.40121}], [{310.483}]
[{2.74218}], [{2.78044}], [{2.90577}], [{2.66587}], [{690.098}]

```
[{2.34976}], [{2.39537}], [{2.42263}], [{2.57561}], [{454.311}]
[{2.60465}], [{1.62656}], [{3.42223}], [{2.34647}], [{399.831}]
[{2.41073}], [{3.0404}], [{2.7859}], [{2.85664}], [{711.781}]
[{3.25237}], [{2.18339}], [{3.19802}], [{2.90925}], [{645.86}]
[{2.74255}], [{3.29449}], [{2.479}], [{2.98346}], [{812.755}]
```

MM19B010

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.034343

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 5

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{-0.178875}], [{-0.0394726}], [{-0.0347642}], [{0.193076}], [{5.16853}]
[{-0.206664}], [{0.0882532}], [{0.560928}], [{0.0169617}], [{5.03899}]
[{-0.237677}], [{0.00973682}], [{-0.285371}], [{0.26816}], [{3.44293}]
[{0.627415}], [{0.00774396}], [{0.018348}], [{0.281939}], [{13.6813}]
[{0.0756125}], [{0.954514}], [{0.892243}], [{0.259271}], [{17.8322}]
[{0.809407}], [{-0.29686}], [{0.765559}], [{0.334867}], [{16.3634}]
[{0.846307}], [{0.91311}], [{1.37878}], [{0.990726}], [{46.8262}]
[{0.712271}], [{1.26991}], [{0.447434}], [{0.694158}], [{37.4645}]
[{1.16191}], [{1.30505}], [{0.633048}], [{0.51715}], [{54.8464}]
[{1.03959}], [{0.566924}], [{1.16773}], [{0.798187}], [{32.6592}]
[{0.698318}], [{1.04439}], [{1.58765}], [{0.656022}], [{47.717}]
[{1.0294}], [{0.630022}], [{1.10647}], [{0.490358}], [{31.1923}]
[{1.35804}], [{1.43076}], [{1.53991}], [{1.15931}], [{105.334}]
[{1.77155}], [{1.03181}], [{1.01077}], [{1.1329}], [{72.9396}]
[{1.58281}], [{1.78585}], [{1.97515}], [{1.69909}], [{197.884}]
[{1.54954}], [{1.69136}], [{1.27281}], [{1.38422}], [{136.173}]
[{1.9728}], [{1.51488}], [{1.3566}], [{1.94924}], [{158.086}]
[{1.48604}], [{1.86782}], [{1.50799}], [{1.40189}], [{164.987}]
[{1.41841}], [{1.73481}], [{1.71573}], [{1.58065}], [{160.487}]
[{1.86016}], [{1.96519}], [{1.56621}], [{1.90879}], [{220.449}]
[{1.69024}], [{1.83881}], [{2.23331}], [{1.71182}], [{229.55}]
[{2.58076}], [{2.53307}], [{1.65566}], [{2.15929}], [{412.091}]
[{2.05696}], [{2.04294}], [{1.95274}], [{2.31976}], [{297.829}]
[{1.92921}], [{1.88884}], [{2.20504}], [{2.18523}], [{274.409}]
[{2.43454}], [{2.46101}], [{2.05951}], [{3.06076}], [{468.77}]
[{2.10009}], [{3.09477}], [{2.58635}], [{2.64965}], [{659.953}]
[{2.69913}], [{2.80224}], [{2.82459}], [{2.40949}], [{681.165}]
[{2.30071}], [{2.7572}], [{2.12864}], [{2.95359}], [{533.332}]
[{2.43049}], [{2.95735}], [{2.89183}], [{2.94352}], [{736.414}]
[{3.25666}], [{3.03934}], [{3.24667}], [{3.52935}], [{1045.51}]
```

MM19B013

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0121458

Matrix Index 1 = 3, Matrix Index 2 = 3

Parameter No. = 2

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[0.107331], [-0.131814], [0.127019], [0.128247], [10.1124]
[-0.251142], [0.0697724], [0.394853], [0.328347], [5.29532]
[0.455512], [0.260016], [0.240402], [0.386408], [13.4395]
```

```

[[{0.228796}], [{0.218247}], [{0.212935}], [{0.0612127}], [{10.6681}]
[{{0.163865}}, [{0.402624}], [{0.203896}], [{-0.0146287}], [{11.0029}]
[{{0.820217}}, [{0.867795}], [{0.517683}], [{0.267392}], [{30.8536}]
[{{0.712806}}, [{0.178565}], [{0.644475}], [{0.99465}], [{20.9225}]
[{{0.573093}}, [{0.0762232}], [{0.549048}], [{0.761125}], [{18.4969}]
[{{0.764193}}, [{0.785561}], [{0.845801}], [{0.630847}], [{30.5745}]
[{{0.471296}}, [{0.642046}], [{1.05051}], [{1.04667}], [{26.4585}]
[{{0.813785}}, [{0.58458}], [{1.17748}], [{0.877492}], [{33.7923}]
[{{0.925525}}, [{1.09756}], [{1.09426}], [{1.56623}], [{60.1741}]
[{{1.30846}}, [{1.22736}], [{1.24872}], [{1.73271}], [{93.5257}]
[{{1.19557}}, [{1.51353}], [{1.00483}], [{1.64633}], [{95.954}]
[{{1.35553}}, [{1.74258}], [{1.72033}], [{1.80321}], [{170.332}]
[{{0.890511}}, [{1.56916}], [{1.81895}], [{1.77499}], [{122.754}]
[{{1.61706}}, [{1.81455}], [{0.869367}], [{1.48224}], [{133.523}]
[{{1.35263}}, [{1.76308}], [{1.6433}], [{1.71333}], [{164.104}]
[{{1.54446}}, [{2.19118}], [{1.7472}], [{2.11084}], [{255.63}]
[{{2.20521}}, [{2.00134}], [{2.40056}], [{2.10539}], [{348.77}]
[{{1.72107}}, [{1.80726}], [{2.00486}], [{1.79077}], [{225.073}]
[{{2.36487}}, [{1.5796}], [{2.23667}], [{1.5355}], [{243.364}]
[{{1.8619}}, [{2.12724}], [{2.24466}], [{1.81782}], [{307.113}]
[{{2.18232}}, [{2.32678}], [{2.45154}], [{1.90662}], [{411.56}]
[{{2.33193}}, [{2.98581}], [{1.53749}], [{3.10882}], [{513.513}]
[{{2.69668}}, [{2.50566}], [{2.97045}], [{2.6564}], [{646.638}]
[{{2.86289}}, [{2.86831}], [{2.76492}], [{3.28871}], [{811.623}]
[{{2.52801}}, [{2.27734}], [{2.22296}], [{2.84196}], [{468.782}]
[{{2.28471}}, [{2.6861}], [{2.95447}], [{2.61498}], [{632.117}]
[{{2.21938}}, [{2.59562}], [{2.70836}], [{3.04381}], [{584.833}]

```

MM19B025

fit into function $Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4$

Alpha = 0.0372573

Matrix Index 1 = 2, Matrix Index 2 = 2

Parameter No. = 4

```

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }$],[@{ Y }]
[{-0.204876}, [{0.286924}], [{0.0306671}], [{-0.295936}], [{8.12414}]
[{-0.526044}, [{0.240976}], [{0.32572}], [{0.522747}], [{4.10363}]
[{{0.182631}}, [{0.0706416}], [{0.732698}], [{0.221887}], [{14.7043}]
[{{0.487571}}, [{0.767079}], [{-0.180802}], [{0.291969}], [{18.3049}]
[{{0.791642}}, [{0.239183}], [{0.0890587}], [{0.452049}], [{19.5749}]
[{{0.848631}}, [{0.102648}], [{0.0536122}], [{0.43996}], [{16.3608}]
[{{1.08931}}, [{0.31811}], [{0.254164}], [{0.489868}], [{23.4212}]
[{{0.783917}}, [{0.414208}], [{1.13429}], [{0.574562}], [{27.1894}]
[{{1.11121}}, [{1.29362}], [{0.934977}], [{1.16493}], [{64.9398}]
[{{0.49395}}, [{0.902314}], [{0.954879}], [{0.938234}], [{32.2767}]
[{{0.80148}}, [{1.04677}], [{0.881633}], [{0.58829}], [{39.4522}]
[{{1.13746}}, [{1.23343}], [{1.31812}], [{1.00408}], [{72.8841}]
[{{1.16586}}, [{1.66174}], [{2.08347}], [{1.04934}], [{128.022}]
[{{1.47772}}, [{1.65393}], [{1.00537}], [{0.989321}], [{106.03}]
[{{0.707396}}, [{1.0883}], [{1.66643}], [{1.5461}], [{60.2493}]
[{{1.40713}}, [{1.01909}], [{1.6636}], [{1.1837}], [{83.484}]
[{{1.81511}}, [{1.09877}], [{1.83831}], [{1.98124}], [{137.51}]
[{{1.62757}}, [{1.75998}], [{2.01261}], [{1.27759}], [{172.045}]
[{{1.53318}}, [{1.59424}], [{1.71349}], [{1.69867}], [{146.489}]

```

```
[[{1.63917}], [{1.43039}], [{1.15028}], [{1.96967}], [{119.985}]
[{{1.50867}], [{1.30179}], [{1.79429}], [{2.32469}], [{144.583}]
[{{2.43111}], [{2.22604}], [{1.99922}], [{1.83747}], [{332.808}]
[{{2.37583}], [{2.53616}], [{2.326}], [{2.22928}], [{443.186}]
[{{2.37098}], [{1.89466}], [{2.22759}], [{1.64017}], [{278.692}]
[{{1.86821}], [{3.34409}], [{2.67865}], [{2.7752}], [{638.153}]
[{{2.29483}], [{2.80173}], [{2.98878}], [{2.79784}], [{611.711}]
[{{3.09362}], [{2.52276}], [{2.70927}], [{3.1273}], [{660.942}]
[{{2.60029}], [{2.54607}], [{2.89202}], [{2.63142}], [{571.735}]
[{{2.83123}], [{2.61576}], [{2.86818}], [{2.3398}], [{599.573}]
[{{2.79433}], [{2.58764}], [{3.08741}], [{3.25663}], [{694.559}]
```

MM19B037

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.019821

Matrix Index 1 = 5, Matrix Index 2 = 1

Parameter No. = 5

```
[%{ X1 },{{ X2 }&},{ X3 },{ X4 }$],[@{ Y }]
[{{0.408013}], [{0.0945331}], [{0.00872937}], [{0.342764}], [{15.0094}]
[{{-0.499282}], [{-0.0777608}], [{0.293974}], [{0.37475}], [{4.68325}]
[{{0.0234985}], [{0.619966}], [{0.0875668}], [{0.610291}], [{12.4223}]
[{{0.395284}], [{0.0787098}], [{0.868366}], [{0.601695}], [{16.5679}]
[{{-0.129679}], [{0.232725}], [{0.408041}], [{0.388349}], [{9.16167}]
[{{0.0810334}], [{0.440807}], [{0.811514}], [{1.00695}], [{15.5706}]
[{{0.659567}], [{0.417653}], [{0.445666}], [{0.862478}], [{23.7697}]
[{{0.723447}], [{0.454288}], [{0.709854}], [{0.218658}], [{24.882}]
[{{1.21436}], [{1.15854}], [{1.1344}], [{0.695159}], [{62.0438}]
[{{1.02058}], [{0.671477}], [{0.186079}], [{0.878552}], [{30.4352}]
[{{0.982877}], [{1.04085}], [{0.579148}], [{1.05156}], [{44.5648}]
[{{0.956216}], [{0.754118}], [{1.57697}], [{1.2171}], [{54.3383}]
[{{1.57346}], [{1.55378}], [{1.51056}], [{1.33472}], [{124.411}]
[{{0.943221}], [{0.800653}], [{1.20725}], [{0.759251}], [{43.9007}]
[{{1.1285}], [{1.21062}], [{1.76824}], [{1.01651}], [{81.2015}]
[{{1.5071}], [{1.17839}], [{1.45802}], [{1.5111}], [{97.9367}]
[{{1.91309}], [{1.56313}], [{1.54644}], [{1.01394}], [{133.756}]
[{{2.05362}], [{1.93616}], [{2.0809}], [{1.39497}], [{223.129}]
[{{2.16056}], [{1.41799}], [{1.26421}], [{2.14517}], [{151.499}]
[{{2.0902}], [{2.09568}], [{2.26823}], [{1.91497}], [{285.291}]
[{{1.8616}], [{1.56192}], [{2.40671}], [{1.75289}], [{197.685}]
[{{1.88924}], [{1.86454}], [{2.2389}], [{2.24146}], [{248.326}]
[{{1.58338}], [{2.54813}], [{2.67363}], [{2.25282}], [{354.625}]
[{{2.36641}], [{1.78122}], [{2.83845}], [{2.49755}], [{341.061}]
[{{2.77895}], [{2.24013}], [{2.38133}], [{2.80933}], [{440.163}]
[{{2.72332}], [{2.11245}], [{2.91255}], [{2.26587}], [{430.355}]
[{{2.81913}], [{2.76311}], [{2.59087}], [{2.51162}], [{565.992}]
[{{2.54184}], [{2.83986}], [{2.65973}], [{2.53177}], [{556.986}]
[{{2.81283}], [{2.88594}], [{3.29384}], [{2.36498}], [{684.018}]
[{{3.09097}], [{3.14672}], [{2.76069}], [{2.77462}], [{758.059}]
```

MM19B042

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0419854

Matrix Index 1 = 3, Matrix Index 2 = 1

Parameter No. = 4

```
[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{0.405502}},{ {{0.462578}}},{{{-0.0928409}}},{{{-0.268868}}},{{14.7549}}
[{{-0.0373976}},{ {{0.0751141}}},{{0.179534}},{{{-0.264166}}},{{9.85715}}
[{{0.856374}},{ {{-0.0972624}}},{{{-0.0280562}}},{{0.0761258}},{{15.5564}}
[{{0.0515659}},{ {{0.108572}}},{{{-0.259386}}},{{0.0648903}},{{8.80363}}
[{{0.50306}},{ {{0.691781}}},{{0.416564}},{{0.4942}},{{19.5319}}
[{{0.465476}},{ {{0.188979}}},{{0.508364}},{{0.713306}},{{13.8654}}
[{{0.428876}},{ {{0.795265}}},{{0.601217}},{{0.00181511}},{{20.2921}}
[{{0.227079}},{ {{0.708142}}},{{0.624599}},{{0.671589}},{{15.6717}}
[{{1.51352}},{ {{1.23156}}},{{1.11823}},{{0.633169}},{{76.2123}}
[{{0.903587}},{ {{1.09573}}},{{1.62484}},{{0.873729}},{{61.7549}}
[{{1.12459}},{ {{0.740925}}},{{0.615021}},{{0.781635}},{{34.3774}}
[{{1.22654}},{ {{1.02254}}},{{0.86337}},{{1.69211}},{{60.7249}}
[{{1.06922}},{ {{1.34747}}},{{1.53781}},{{0.876536}},{{82.7396}}
[{{1.33601}},{ {{0.974823}}},{{1.23998}},{{0.69137}},{{58.0528}}
[{{1.53671}},{ {{0.943936}}},{{1.1431}},{{1.4434}},{{71.7764}}
[{{1.53179}},{ {{1.59139}}},{{1.68133}},{{1.6784}},{{149.278}}
[{{1.44644}},{ {{1.40305}}},{{1.46661}},{{2.27604}},{{128.729}}
[{{1.89023}},{ {{1.42438}}},{{1.17551}},{{1.34082}},{{122.813}}
[{{2.41663}},{ {{1.26143}}},{{1.49974}},{{1.56399}},{{151.646}}
[{{2.04007}},{ {{1.50699}}},{{1.87988}},{{1.55771}},{{179.677}}
[{{2.10067}},{ {{1.99454}}},{{1.93601}},{{1.38001}},{{255.337}}
[{{2.00033}},{ {{2.08799}}},{{1.94591}},{{2.19703}},{{293.471}}
[{{2.17367}},{ {{2.17028}}},{{2.42974}},{{2.31591}},{{374.33}}
[{{1.84145}},{ {{2.14199}}},{{2.08161}},{{3.26216}},{{336.794}}
[{{2.46633}},{ {{2.73597}}},{{2.53614}},{{2.48246}},{{581.753}}
[{{2.32728}},{ {{1.91932}}},{{2.7909}},{{1.90607}},{{345.29}}
[{{2.49664}},{ {{2.29821}}},{{2.30975}},{{3.19202}},{{477.451}}
[{{2.79133}},{ {{2.67186}}},{{3.02037}},{{2.48501}},{{677.536}}
[{{2.68187}},{ {{3.22405}}},{{2.53179}},{{2.97129}},{{812.593}}
[{{2.87166}},{ {{2.86759}}},{{2.97955}},{{3.1263}},{{804.533}}
```

MM19B050

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0469406

Matrix Index 1 = 1, Matrix Index 2 = 2

Parameter No. = 4

```
[%{ X1 }],[{ X2 }&],[{ X3 }],[{ X4 }$],[@{ Y }]
[{{-0.313846}},{ {{-0.349374}}},{{{-0.862005}}},{{{-0.197478}}},{{5.42759}}
[{{0.184745}},{ {{-0.154408}}},{{0.120975}},{{{-0.272704}}},{{12.9668}}
[{{-0.00948623}},{ {{0.735182}}},{{0.317476}},{{{-0.0940564}}},{{12.946}}
[{{0.575355}},{ {{0.040463}}},{{0.468158}},{{0.389469}},{{16.5638}}
[{{-0.0269627}},{ {{-0.0970373}}},{{0.280387}},{{0.808924}},{{11.4719}}
[{{-0.0552439}},{ {{0.823222}}},{{0.338562}},{{0.659889}},{{11.5478}}
[{{0.871893}},{ {{0.816513}}},{{0.15868}},{{0.328512}},{{26.7403}}
[{{0.608846}},{ {{0.483227}}},{{0.502779}},{{0.352235}},{{19.581}}
[{{0.288386}},{ {{0.163303}}},{{1.04957}},{{1.33928}},{{17.9908}}
[{{1.02802}},{ {{1.11546}}},{{0.565581}},{{0.9779}},{{46.3583}}
[{{1.0232}},{ {{1.42949}}},{{0.734154}},{{0.515032}},{{59.4286}}
[{{0.9495}},{ {{1.62131}}},{{1.11655}},{{1.12536}},{{88.3691}}
[{{1.55671}},{ {{1.12657}}},{{0.895993}},{{1.24201}},{{73.7567}}]
```

[{1.33164}], [{1.29361}], [{0.722771}], [{0.974535}], [{66.4353}]
[{1.36186}], [{1.1403}], [{1.61688}], [{1.53484}], [{98.9237}]
[{1.45106}], [{1.58152}], [{1.1633}], [{1.05895}], [{108.273}]
[{1.54217}], [{1.30672}], [{1.44648}], [{0.6358}], [{92.2363}]
[{1.64132}], [{1.28732}], [{1.82188}], [{2.03087}], [{151.705}]
[{1.93448}], [{1.63027}], [{1.50826}], [{1.27389}], [{159.659}]
[{2.38438}], [{1.80694}], [{2.19375}], [{1.8948}], [{291.546}]
[{1.34006}], [{2.38089}], [{1.83544}], [{2.23279}], [{269.551}]
[{2.41712}], [{1.98465}], [{2.83154}], [{2.84328}], [{454.914}]
[{2.35466}], [{2.05063}], [{1.60825}], [{2.1193}], [{283.268}]
[{2.17033}], [{2.26166}], [{2.02382}], [{1.80684}], [{333.796}]
[{1.85591}], [{2.38024}], [{2.31431}], [{2.1075}], [{368.574}]
[{2.2731}], [{2.67687}], [{2.74059}], [{2.15119}], [{545.51}]
[{2.84501}], [{2.49344}], [{1.87926}], [{2.2214}], [{453.627}]
[{2.47706}], [{2.63208}], [{2.77827}], [{2.72071}], [{606.234}]
[{2.77303}], [{2.82003}], [{3.15908}], [{2.83062}], [{784.332}]
[{3.42977}], [{2.62403}], [{3.35522}], [{2.95413}], [{882.714}]

NA19B007

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0183037

Matrix Index 1 = 3, Matrix Index 2 = 2

Parameter No. = 5

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{0.0974966}], [{-0.139627}], [{-0.212672}], [{-0.101914}], [{12.9778}]
[{0.613934}], [{0.151721}], [{0.302725}], [{0.132159}], [{16.039}]
[{0.208561}], [{0.2661}], [{0.0602164}], [{-0.0179057}], [{13.8529}]
[{0.0824555}], [{-0.174262}], [{0.413324}], [{0.666848}], [{12.831}]
[{0.796491}], [{0.507526}], [{0.179079}], [{0.819604}], [{19.6913}]
[{0.277201}], [{0.675237}], [{0.255407}], [{0.0894782}], [{15.7227}]
[{0.26795}], [{0.617191}], [{0.277578}], [{0.620645}], [{16.2413}]
[{0.351197}], [{0.669394}], [{0.745257}], [{0.269888}], [{18.9473}]
[{0.373175}], [{0.567454}], [{0.555553}], [{0.824487}], [{17.9914}]
[{0.595555}], [{1.26523}], [{0.66938}], [{0.4294}], [{41.9671}]
[{0.370758}], [{1.68865}], [{0.600292}], [{1.00864}], [{50.5094}]
[{1.39563}], [{1.24606}], [{1.02064}], [{0.942321}], [{78.0066}]
[{0.924934}], [{1.09952}], [{1.02304}], [{1.37446}], [{58.676}]
[{1.9154}], [{1.70229}], [{1.26758}], [{1.17483}], [{161.491}]
[{1.2191}], [{1.31257}], [{1.6931}], [{2.09901}], [{119.509}]
[{1.79736}], [{1.53689}], [{1.19857}], [{1.33386}], [{133.902}]
[{2.03322}], [{1.37465}], [{1.78387}], [{1.14002}], [{149.518}]
[{1.91699}], [{1.71472}], [{1.12983}], [{1.62228}], [{160.8}]
[{0.755165}], [{1.37742}], [{1.96113}], [{1.90635}], [{108.025}]
[{1.76616}], [{2.23661}], [{2.55863}], [{1.91721}], [{372.042}]
[{1.84249}], [{1.54573}], [{1.60572}], [{1.73273}], [{169.475}]
[{1.97659}], [{2.20815}], [{2.0929}], [{2.28224}], [{354.904}]
[{1.81373}], [{1.92159}], [{2.12086}], [{2.46265}], [{289.536}]
[{1.84121}], [{1.94302}], [{1.88039}], [{2.30313}], [{268.804}]
[{2.37112}], [{2.4612}], [{3.03924}], [{2.23378}], [{581.709}]
[{2.44491}], [{2.72387}], [{2.73745}], [{2.28355}], [{642.2}]
[{2.37264}], [{2.74904}], [{3.45503}], [{2.88439}], [{795.403}]
[{2.86392}], [{2.29122}], [{3.22454}], [{2.43629}], [{629.73}]
[{2.53569}], [{2.61567}], [{2.87595}], [{2.70834}], [{666.628}]

[{3.46525}], [{2.90196}], [{2.93867}], [{3.07947}], [{975.073}]

NA19B019

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0270697

Matrix Index 1 = 1, Matrix Index 2 = 5

Parameter No. = 2

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-0.244554}], [{-0.0676464}], [{0.128683}], [{0.0325864}], [{8.58288}]
[{-0.308461}], [{0.726133}], [{-0.0604192}], [{-0.19047}], [{6.37305}]
[{0.00556263}], [{0.0934923}], [{0.0104716}], [{-0.0208489}], [{12.6871}]
[{0.716894}], [{0.913859}], [{-0.0403031}], [{0.801328}], [{25.6156}]
[{0.684643}], [{0.234592}], [{0.597388}], [{0.62436}], [{20.91}]
[{0.335363}], [{0.598774}], [{-0.128217}], [{0.755484}], [{15.5831}]
[{0.503844}], [{0.538424}], [{0.421586}], [{-0.147698}], [{18.4462}]
[{1.03538}], [{0.707946}], [{1.09726}], [{-0.011526}], [{35.7015}]
[{1.15139}], [{0.985618}], [{1.04791}], [{0.343461}], [{51.4637}]
[{1.00431}], [{0.771275}], [{1.24529}], [{0.953559}], [{46.7343}]
[{1.80095}], [{1.73222}], [{1.3414}], [{1.4936}], [{171.621}]
[{1.53539}], [{0.85149}], [{1.47796}], [{1.39553}], [{81.8798}]
[{1.45473}], [{1.32562}], [{1.13148}], [{1.32275}], [{100.366}]
[{1.17156}], [{0.815821}], [{1.29952}], [{0.955318}], [{55.4531}]
[{1.08845}], [{1.56159}], [{1.51651}], [{1.94942}], [{123.269}]
[{1.12406}], [{1.20199}], [{1.36685}], [{1.03968}], [{78.5956}]
[{1.91139}], [{1.92059}], [{1.7223}], [{1.33523}], [{226.942}]
[{1.87264}], [{1.67234}], [{1.66071}], [{1.5582}], [{189.444}]
[{1.42842}], [{2.0106}], [{1.47206}], [{1.49894}], [{189.807}]
[{1.85401}], [{1.73593}], [{1.40554}], [{2.06345}], [{193.317}]
[{1.78293}], [{2.16613}], [{2.65791}], [{2.16031}], [{362.91}]
[{2.328}], [{2.25417}], [{1.89429}], [{2.32879}], [{379.567}]
[{1.91949}], [{1.8731}], [{2.36727}], [{2.34232}], [{302.804}]
[{2.20517}], [{2.5056}], [{1.84022}], [{2.65647}], [{431.857}]
[{2.20776}], [{2.0658}], [{2.58442}], [{2.97387}], [{428.474}]
[{2.19036}], [{2.97393}], [{2.22347}], [{2.48785}], [{600.158}]
[{2.20436}], [{2.84787}], [{2.84616}], [{2.73034}], [{663.739}]
[{2.62942}], [{2.66999}], [{2.74507}], [{2.34728}], [{640.227}]
[{3.28924}], [{2.58734}], [{3.19465}], [{2.50526}], [{794.25}]
[{2.93764}], [{2.66763}], [{3.43551}], [{2.71177}], [{819.829}]

NA19B020

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$
Alpha = 0.0379159

Matrix Index 1 = 5, Matrix Index 2 = 4

Parameter No. = 3

[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }\$], [@{ Y }]
[{-1.36369}], [{0.235341}], [{-0.217566}], [{-0.69283}], [{-5.62188}]
[{0.143817}], [{0.141236}], [{0.553057}], [{1.09534}], [{12.3705}]
[{0.087525}], [{0.61169}], [{0.288979}], [{0.262756}], [{13.9423}]
[{0.802698}], [{0.171872}], [{0.157682}], [{0.196325}], [{19.9186}]
[{0.44774}], [{0.39174}], [{0.191878}], [{0.0958876}], [{16.4515}]
[{0.787108}], [{0.307966}], [{0.313598}], [{1.12853}], [{24.2584}]
[{0.58665}], [{0.517024}], [{0.765284}], [{0.460375}], [{21.9831}]

[{0.0387129}], [{0.751358}], [{0.278906}], [{1.06786}], [{12.4958}]
[{0.673414}], [{1.02584}], [{0.594633}], [{1.46209}], [{37.5329}]
[{0.715341}], [{1.16496}], [{1.1529}], [{1.57768}], [{57.2041}]
[{1.44957}], [{1.33154}], [{0.752082}], [{0.78434}], [{71.9922}]
[{1.12621}], [{1.19777}], [{1.23077}], [{0.954516}], [{71.2077}]
[{0.798953}], [{1.43809}], [{0.290406}], [{1.43775}], [{44.3735}]
[{1.65112}], [{1.1618}], [{1.28215}], [{1.44842}], [{100.306}]
[{1.94592}], [{1.17859}], [{1.15075}], [{1.3219}], [{105.328}]
[{1.5456}], [{1.67793}], [{1.09758}], [{1.3665}], [{126.91}]
[{1.58153}], [{1.74797}], [{1.64909}], [{1.29213}], [{163.036}]
[{1.76393}], [{1.6019}], [{1.81136}], [{2.11148}], [{198.495}]
[{1.15283}], [{1.58899}], [{1.47193}], [{2.07827}], [{130.436}]
[{1.54156}], [{1.87012}], [{1.9173}], [{1.71688}], [{205.663}]
[{1.68007}], [{1.81494}], [{2.09584}], [{1.54924}], [{217.18}]
[{1.8515}], [{2.21859}], [{2.21577}], [{1.3873}], [{299.3}]
[{1.92203}], [{2.24134}], [{1.92633}], [{2.02942}], [{311.185}]
[{2.15067}], [{2.3995}], [{2.82029}], [{2.05859}], [{467.718}]
[{2.63816}], [{2.69911}], [{2.30316}], [{1.91149}], [{529.24}]
[{2.45566}], [{3.02869}], [{3.12454}], [{2.62567}], [{790.983}]
[{2.82682}], [{2.92623}], [{2.72384}], [{2.35032}], [{725.531}]
[{2.85908}], [{1.96112}], [{3.20959}], [{2.67633}], [{561.212}]
[{2.69513}], [{2.61207}], [{3.3699}], [{2.16807}], [{686.9}]
[{2.12205}], [{3.25267}], [{3.11652}], [{3.26046}], [{851.506}]

NA19B040

fit into function Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Alpha = 0.0350927

Matrix Index 1 = 2, Matrix Index 2 = 1

Parameter No. = 1

[%{ X1 },%{ X2 }&,%{ X3 },%{ X4 }\$],[@{ Y }]
[{0.262704}], [{0.66359}], [{-0.491728}], [{0.0454579}], [{13.1365}]
[{0.145573}], [{-0.255951}], [{-0.407698}], [{-0.36661}], [{11.8955}]
[{0.211882}], [{0.190497}], [{0.78532}], [{0.407062}], [{14.9817}]
[{0.26104}], [{0.540895}], [{0.498343}], [{0.589231}], [{15.8932}]
[{0.473027}], [{-0.074942}], [{0.211595}], [{0.64379}], [{15.4959}]
[{0.529746}], [{0.501501}], [{0.3663}], [{0.0479266}], [{17.7264}]
[{0.540828}], [{0.858002}], [{0.564766}], [{0.484516}], [{25.3935}]
[{0.625097}], [{0.93428}], [{0.629832}], [{0.995471}], [{32.5283}]
[{0.22107}], [{1.04679}], [{0.746215}], [{0.965142}], [{25.531}]
[{0.578138}], [{0.283009}], [{1.39454}], [{0.790727}], [{24.0335}]
[{0.382028}], [{0.935546}], [{1.09332}], [{0.836764}], [{31.3424}]
[{1.37145}], [{0.957728}], [{1.5886}], [{1.01004}], [{74.7719}]
[{1.31985}], [{1.46099}], [{1.25808}], [{1.26152}], [{104.758}]
[{1.26375}], [{1.09892}], [{1.30956}], [{1.26777}], [{80.5656}]
[{1.32528}], [{1.36683}], [{1.20732}], [{1.69482}], [{103.686}]
[{1.27159}], [{1.49785}], [{1.17363}], [{1.57267}], [{108.473}]
[{1.45735}], [{1.20696}], [{1.53584}], [{1.35254}], [{105.025}]
[{1.48911}], [{1.79511}], [{2.0129}], [{1.32823}], [{188.648}]
[{1.82476}], [{2.06952}], [{1.78126}], [{1.76246}], [{256.969}]
[{1.76715}], [{2.12028}], [{2.22669}], [{1.63829}], [{292.943}]
[{1.98235}], [{2.44261}], [{2.03928}], [{1.81432}], [{370.66}]
[{2.1848}], [{2.41653}], [{3.09189}], [{1.88279}], [{495.496}]
[{2.37455}], [{2.18357}], [{2.50806}], [{2.53508}], [{437.854}]]

```
[{2.17482}], [{1.70013}], [{2.43497}], [{2.37514}], [{296.303}]
[{2.46359}], [{2.62947}], [{2.76879}], [{2.23761}], [{585.315}]
[{2.63802}], [{2.3442}], [{2.19343}], [{2.53838}], [{473.254}]
[{2.73083}], [{2.41737}], [{2.80373}], [{2.1813}], [{559.027}]
[{2.86424}], [{3.05567}], [{2.66188}], [{2.34091}], [{790.914}]
[{2.95757}], [{2.77832}], [{2.51327}], [{2.74705}], [{708.095}]
[{3.47701}], [{2.98553}], [{2.68869}], [{2.92608}], [{922.225}]
```

NA19B041

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0207898

Matrix Index 1 = 5, Matrix Index 2 = 2

Parameter No. = 5

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.23269}], [{0.322701}], [{0.680168}], [{0.184532}], [{6.01764}]
[{0.39792}], [{-0.153378}], [{0.429763}], [{-0.105274}], [{13.1232}]
[{0.271388}], [{-0.0763854}], [{-0.0549773}], [{0.0132105}], [{11.6464}]
[{0.668854}], [{-0.0633623}], [{0.978156}], [{0.550521}], [{18.8728}]
[{0.32579}], [{0.204688}], [{0.341511}], [{0.308546}], [{13.7368}]
[{0.306844}], [{-0.0104796}], [{0.685808}], [{1.07126}], [{12.8836}]
[{0.366413}], [{1.01863}], [{0.770935}], [{0.734788}], [{28.2338}]
[{1.12148}], [{0.876157}], [{0.694292}], [{0.82666}], [{43.0974}]
[{0.772932}], [{1.19683}], [{0.281187}], [{0.708143}], [{33.7631}]
[{0.66263}], [{0.248127}], [{0.72149}], [{0.616983}], [{19.326}]
[{1.19478}], [{1.28562}], [{0.950103}], [{1.55339}], [{76.6633}]
[{1.45638}], [{1.04376}], [{1.65081}], [{0.95495}], [{81.7522}]
[{1.35596}], [{1.68308}], [{1.11712}], [{1.51352}], [{117.52}]
[{1.43593}], [{1.06024}], [{1.8894}], [{1.5884}], [{103.934}]
[{1.6544}], [{1.67648}], [{1.09193}], [{2.04044}], [{140.146}]
[{1.44604}], [{1.0088}], [{1.27695}], [{1.3363}], [{77.8578}]
[{1.73953}], [{1.33417}], [{1.69463}], [{1.33064}], [{127.05}]
[{1.59961}], [{2.19583}], [{2.06364}], [{1.65307}], [{263.849}]
[{1.87504}], [{2.12344}], [{1.7815}], [{1.81246}], [{257.998}]
[{2.01847}], [{1.93678}], [{2.06715}], [{1.20781}], [{238.663}]
[{1.78096}], [{1.95278}], [{1.89858}], [{1.50709}], [{224.607}]
[{1.95273}], [{1.33812}], [{2.28047}], [{2.47674}], [{215.432}]
[{2.01792}], [{2.36754}], [{2.39243}], [{2.58505}], [{410.042}]
[{1.85742}], [{2.64169}], [{2.57745}], [{2.82884}], [{491.235}]
[{2.5901}], [{2.57202}], [{2.76247}], [{2.25651}], [{563.858}]
[{1.80082}], [{2.63362}], [{2.29877}], [{2.1032}], [{413.116}]
[{2.99501}], [{2.24865}], [{2.08784}], [{3.06342}], [{487.08}]
[{2.64116}], [{2.60169}], [{2.73137}], [{2.54815}], [{595.659}]
[{2.58389}], [{2.76604}], [{2.83447}], [{2.81811}], [{671.637}]
[{3.02441}], [{2.69589}], [{2.47815}], [{2.94359}], [{665.072}]
```

PH20B011

fit into function $Y = B_0 + B_1 X_1 + B_2 X_2^2 X_1 + B_3 X_3 X_2^2 + B_4 X_1 X_3 X_4$

Alpha = 0.0439362

Matrix Index 1 = 3, Matrix Index 2 = 5

Parameter No. = 1

```
[%{ X1 }], [{ X2 }&], [{ X3 }], [{ X4 }$], [@{ Y }]
[{-0.0111192}], [{0.0292943}], [{0.0630211}], [{-0.491249}], [{9.88579}]
```

[[{0.498367}], [{0.113666}], [{0.0308965}], [{0.21742}], [{15.6652}]
[[{0.484339}], [{-0.0711668}], [{0.466441}], [{-0.534471}], [{14.9168}]
[[{0.335183}], [{0.0286134}], [{0.656474}], [{0.099318}], [{15.5452}]
[[{0.0865602}], [{0.703479}], [{0.722687}], [{0.538708}], [{15.2305}]
[[{-0.0742271}], [{0.264153}], [{0.301199}], [{0.979418}], [{9.52619}]
[[{0.265534}], [{1.04268}], [{0.793369}], [{0.903041}], [{27.8748}]
[[{0.566835}], [{0.617243}], [{1.08607}], [{0.983197}], [{31.0299}]
[[{0.296677}], [{0.525362}], [{0.766612}], [{0.778008}], [{18.8326}]
[[{0.588673}], [{0.962125}], [{1.82392}], [{0.985487}], [{50.509}]
[[{0.729018}], [{1.26889}], [{0.95594}], [{0.977609}], [{52.3119}]
[[{0.788218}], [{0.688392}], [{1.08591}], [{1.38288}], [{38.5958}]
[[{1.21814}], [{1.77749}], [{1.05089}], [{1.41677}], [{109.181}]
[[{0.754353}], [{1.37088}], [{0.592478}], [{1.14683}], [{48.3994}]
[[{1.35996}], [{1.63577}], [{1.46478}], [{1.73344}], [{131.95}]
[[{1.67054}], [{1.52635}], [{1.37794}], [{1.96712}], [{140.719}]
[[{1.87826}], [{1.59769}], [{2.19297}], [{1.53253}], [{193.358}]
[[{1.93198}], [{1.59029}], [{1.74347}], [{2.29789}], [{197.477}]
[[{1.85214}], [{1.51217}], [{1.79728}], [{1.98932}], [{176.082}]
[[{1.08132}], [{2.0993}], [{1.64582}], [{1.42742}], [{162.798}]
[[{2.66523}], [{2.1275}], [{1.76889}], [{2.03336}], [{327.107}]
[[{2.03453}], [{2.06421}], [{2.13835}], [{2.10902}], [{293.732}]
[[{2.01152}], [{2.4706}], [{2.69326}], [{2.38285}], [{433.664}]
[[{2.22001}], [{2.59667}], [{2.297}], [{1.77003}], [{415.127}]
[[{2.57438}], [{2.84628}], [{2.48216}], [{2.41039}], [{583.708}]
[[{3.07338}], [{2.57417}], [{1.96384}], [{2.44006}], [{508.569}]
[[{1.64067}], [{2.43081}], [{2.68822}], [{2.86183}], [{395.48}]
[[{2.38726}], [{2.63705}], [{2.81867}], [{2.20114}], [{527.55}]
[[{2.56366}], [{2.59793}], [{3.1508}], [{2.96062}], [{642.621}]
[[{2.91048}], [{3.22867}], [{2.66086}], [{2.69955}], [{804.914}]]