

SubjectNum,Activity,tBodyAcc-mean-X,tBodyAcc-mean-Y,tBodyAcc-mean-Z,tBodyAcc-std-X,tBodyAcc-std-Y,tBodyAcc-std-Z,tGravityAcc-mean-X,tGravityAcc-mean-Y,tGravityAcc-mean-Z,tGravityAcc-std-X,tGravityAcc-std-Y,tGravityAcc-std-Z,tBodyAccJerk-mean-X,tBodyAccJerk-mean-Y,tBodyAccJerk-mean-Z,tBodyAccJerk-std-X,tBodyAccJerk-std-Y,tBodyAccJerk-std-Z,tBodyGyro-mean-X,tBodyGyro-mean-Y,tBodyGyro-mean-Z,tBodyGyro-std-X,tBodyGyro-std-Y,tBodyGyro-std-Z,tBodyGyroJerk-mean-X,tBodyGyroJerk-mean-Y,tBodyGyroJerk-mean-Z,tBodyGyroJerk-std-X,tBodyGyroJerk-std-Y,tBodyGyroJerk-std-Z,tBodyAccMag-mean,tBodyAccMag-std,tGravityAccMag-mean,tGravityAccMag-std,tBodyAccJerkMag-mean,tBodyAccJerkMag-std,tBodyGyroMag-mean,tBodyGyroMag-std,tBodyGyroJerkMag-mean,tBodyGyroJerkMag-std,fBodyAcc-mean-X,fBodyAcc-mean-Y,fBodyAcc-mean-Z,fBodyAcc-std-X,fBodyAcc-std-Y,fBodyAcc-std-Z,fBodyAccJerk-mean-X,fBodyAccJerk-mean-Y,fBodyAccJerk-mean-Z,fBodyAccJerk-std-X,fBodyAccJerk-std-Y,fBodyAccJerk-std-Z,fBodyGyro-mean-X,fBodyGyro-mean-Y,fBodyGyro-mean-Z,fBodyGyro-std-X,fBodyGyro-std-Y,fBodyGyro-std-Z,fBodyAccMag-mean,fBodyAccMag-std,fBodyBodyAccJerkMag-mean,fBodyBodyAccJerkMag-std,fBodyBodyGyroMag-mean,fBodyBodyGyroMag-std,fBodyBodyGyroJerkMag-mean,fBodyBodyGyroJerkMag-std 1,WALKING,0.277330758736842,-0.0173838185273684,-0.111148103547368,-0.283740258842105,0.114461336747368,-0.260027902210526,0.935223201473684,-0.282165021263158,-0.068102864,-0.976609642526316,-0.971305961473684,-0.947717226105263,0.0740416333157895,0.0282721095884211,-0.00416840617789474,-0.113615602435789,0.0670025007684211,-0.502699788526316,-0.041830963526,-0.069530046211579,0.0849448173042105,-0.473535485894737,-0.0546077686594737,-0.344266629473684,-0.0899975423705263,-0.0398428709463158,-0.0461309295021053,-0.207421854757895,-0.304468510631579,-0.404255452631579,-0.136971176556842,-0.219688645631579,-0.136971176556842,-0.219688645631579,-0.141428809031579,-0.0744717500625263,-0.160979552536842,-0.186978364526316,-0.298703679084211,-0.325324878894737,-0.202794306326316,0.0897127264021053,-0.331560117789474,-0.319134719578947,0.056040006846,-0.279686751494737,-0.170546964549579,-0.0352255241130632,-0.468999224631579,-0.133586606326316,0.106739857136,-0.534713440421053,-0.339032197115789,-0.103059416434737,-0.255940940315789,-0.516691938736842,-0.0335081597884211,-0.436562227473684,-0.128623450629474,-0.398032586842105,-0.0571194000343158,-0.103492403002105,-0.199252568986316,-0.321017953894737,-0.319308593778947,-0.381601911789474 1,WALKING\_UPSTAIRS,0.255461689622642,-0.0239531492643396,-0.0973020020943396,-0.35470802509434,-0.00232026501698113,-0.0194792388471698,0.89335109754717,-0.362153364339623,-0.075402939754717,-0.956367027924528,-0.952849233207547,-0.912379410377359,0.101372729922642,0.0194863076188679,-0.0455625449113208,-0.446843887735849,-0.378274426037736,-0.706593530943396,0.050549379754717,-0.166170015088679,0.0583595463981132,-0.544871104528302,0.00410518379811321,-0.50716867490566,-0.122232768011321,-0.0421485884509434,-0.0407125527654717,-0.614786508490566,-0.601696656226415,-0.606332002264151,-0.129927630735849,-0.324970929245283,-0.129927630735849,-0.324970929245283,-0.466503446226415,-0.478991622075472,-0.126735589969811,-0.14861931805283,-0.59488286509434,-

0.648553044339623,-0.404321784150943,-0.190976720811321,-0.433349702075472,-  
0.337428188679245,0.0217695106566038,0.0859565543849057,-0.479875245660377,-  
0.41344458754717,-0.685474353962264,-0.461907025849057,-0.381777065283019,-  
0.726040200754717,-0.492611667924528,-0.319474609056604,-0.453597213018868,-  
0.565892490754717,0.151538905566038,-0.57170784,-0.352395944716981,-0.416260101509434,-  
0.44265216245283,-0.533059853773585,-0.325961457396226,-0.182985518264151,-  
0.634665082075472,-0.693930521509434 1,WALKING\_DOWNSTAIRS,0.289188320408163,-  
0.00991850461020408,-0.107566190908163,0.0300353383483878,-0.0319359434489796,-  
0.230434213204082,0.931874418979592,-0.266610338979592,-0.0621199585938776,-  
0.950559811632653,-0.937018658979592,-  
0.895939695102041,0.0541553164897959,0.0296504490408163,-0.0109719730183673,-  
0.012283860544898,-0.101601390640816,-0.345735032326531,-0.0350781902989796,-  
0.0909371290204082,0.0900850142030612,-0.458030542938776,-0.126349194938776,-  
0.124702454242857,-0.0739592036271429,-0.0439902783367347,-0.0270461061061225,-  
0.487027342244898,-0.238824827530612,-  
0.268761480242857,0.0271882914106122,0.0198843506265306,0.0271882914106122,0.01988435062  
65306,-0.0894474807979592,-0.0257877197081633,-0.0757412543673469,-0.225724368061224,-  
0.295463843346939,-0.306510645530612,0.0382291831510204,0.00154990783591837,-  
0.225574471693878,0.0243308391387755,-0.112963739953061,-0.297927894693878,-  
0.0276638676122449,-0.12866715764898,-0.288334735714286,-0.0863278966402041,-  
0.134580008877551,-0.401721464285714,-0.352449631363265,-0.0557022524693878,-  
0.0318694271979592,-0.495422486102041,-0.181414728657143,-  
0.238443565306122,0.0965845343040816,-0.186530301073469,0.0262184949326531,-  
0.104052260726531,-0.185720285744898,-0.398350390122449,-0.281963359177551,-  
0.391919876612245 1,SITTING,0.261237565425532,-0.00130828765170213,-0.104544182255319,-  
0.977229008297872,-0.922618641914894,-  
0.93958629106383,0.831509933404255,0.204411592680851,0.332043702765957,-  
0.968457145744681,-0.935517055957447,-0.949040933191489,0.0774825199574468,-  
0.000619102785106384,-0.00336779235021277,-0.986430711276596,-0.981371965319149,-  
0.987910804468085,-0.045350056512766,-0.0919241549361702,0.0629313811914894,-  
0.977211283191489,-0.966473895319149,-0.941425920851064,-0.0936793807234043,-  
0.0402118124255319,-0.046702627,-0.99173159212766,-0.989518068510638,-0.987935806382979,-  
0.948536786170213,-0.927078418723404,-0.948536786170213,-0.927078418723404,-  
0.987364195531915,-0.984120024042553,-0.93089249,-0.934531840425532,-0.991976341276596,-  
0.988308728510638,-0.979641238723404,-0.944084550425532,-0.959184889148936,-  
0.976412313191489,-0.917275006382979,-0.934469558085106,-0.986597022553191,-  
0.981579467021277,-0.986053092340426,-0.987492994468085,-0.982513909574468,-  
0.988339184893617,-0.976161464042553,-0.975838585319149,-0.951315544468085,-  
0.977904227021277,-0.962345042553192,-0.94391784106383,-0.947782922553191,-  
0.928444801702128,-0.985262126808511,-0.981606177446808,-0.958435589361702,-  
0.932198374893617,-0.989797547234043,-0.987049617234043 1,STANDING,0.278917629056604,-  
0.0161375901037736,-0.110601817735849,-0.995759901509434,-0.973190056415094,-

0.979775876981132,0.942952000377358,-0.272983832264151,0.0134905823226415,-  
0.99376298509434,-0.981225957924528,-  
0.976324063584906,0.0753766542264151,0.00797573092830189,-0.00368524954709434,-  
0.994604542264151,-0.98564873245283,-0.99225117735849,-0.0239877347979245,-  
0.0593972209811321,0.074800751,-0.987191946603774,-0.98773444,-0.980645626981132,-  
0.0996092129056604,-0.0440627877924528,-0.0489505466716981,-0.992945106981132,-  
0.995137917358491,-0.992108467169811,-0.984278207358491,-0.981942928867925,-  
0.984278207358491,-0.981942928867925,-0.992367790566038,-0.993096209433962,-  
0.976493792830189,-0.978690028679245,-0.994966790566038,-0.994733238679245,-  
0.995249932641509,-0.977070847735849,-0.985297098679245,-0.99602834509434,-  
0.972293102075472,-0.977937259622642,-0.994630797358491,-0.985418704528302,-  
0.990752166037736,-0.995073759245283,-0.987018226792453,-0.992349818113208,-  
0.986386786037736,-0.988984455849057,-0.980773122830189,-0.987497128679245,-  
0.987107727735849,-0.98234533,-0.985356361132076,-0.982313804716981,-0.99254247754717,-  
0.992536003396226,-0.984617623396226,-0.978466072075472,-0.994815376981132,-  
0.994671123207547 1,LAYING,0.22159824394,-0.0405139534294,-0.11320355358,-0.9280564692,-  
0.83682740562,-0.826061401628,-0.24888179828,0.70554977346,0.4458177198,-0.8968300184,-  
0.90772000676,-0.85236629022,0.0810865342,0.0038382040088,0.010834236361,-0.958482112,-  
0.9241492736,-0.9548551108,-0.016553093978,-0.064486124088,0.14868943626,-0.87354386782,-  
0.9510904402,-0.9082846626,-0.107270949192,-0.04151728689,-0.0740501211,-0.9186085208,-  
0.9679072436,-0.9577901596,-0.8419291525,-0.79514486386,-0.8419291525,-0.79514486386,-  
0.9543962646,-0.9282456284,-0.874759548,-0.81901016976,-0.96346103,-0.9358409828,-  
0.9390990524,-0.86706520518,-0.8826668762,-0.9244374346,-0.8336255561,-0.81289155944,-  
0.9570738838,-0.9224626098,-0.9480609042,-0.9641607086,-0.9322178704,-0.9605869872,-  
0.850249174586,-0.9521914948,-0.909302721,-0.8822964508,-0.9512320494,-0.9165825082,-  
0.8617676481,-0.7983009404,-0.9333003608,-0.9218039756,-0.8621901854,-0.82431943968,-  
0.9423669466,-0.9326606676 2,WALKING,0.276426586440678,-0.0185949199145763,-  
0.105500357966102,-0.423642838474576,-0.0780912533118644,-  
0.425257524915254,0.913017333389831,-0.34660709,0.0847270871186441,-0.972693201355932,-  
0.972116879661017,-  
0.972072847627119,0.0618080696279661,0.0182492679288136,0.00789533706610169,-  
0.277530462620339,-0.0166022362847458,-0.586090418983051,-0.0530258157347458,-  
0.0482382316949153,0.0828336633220339,-0.561550255762712,-0.53845366779661,-  
0.481085535084746,-0.0818833429152542,-0.0538299449067797,-0.0514939156830508,-  
0.389549831525424,-0.634140436101695,-0.435492677288136,-0.290407593728814,-  
0.422544169322034,-0.290407593728814,-0.422544169322034,-0.281424153881356,-  
0.164150985127119,-0.446549092881356,-0.553019916271186,-0.547911950338983,-  
0.557798151355932,-0.346048161016949,-0.0219048103322034,-0.453806369830509,-  
0.457651383728814,-0.16921968620339,-0.455222146440678,-0.304615322881356,-  
0.0787640836610169,-0.554956709661017,-0.31431306340678,-0.0153329520084746,-  
0.615898188474576,-0.429713536101695,-0.55477211220339,-0.396659907457627,-  
0.604053019152542,-0.533046952542373,-0.559856635084746,-0.324289427932203,-

0.577105211694915,-0.169064352813559,-0.164091969449153,-0.530704814745763,-  
0.651792839661017,-0.583249293389831,-0.558104554745763  
2,WALKING\_UPSTAIRS,0.247164790395833,-0.0214121132045833,-0.152513899520833,-  
0.304376406458333,0.108027279889583,-0.112121021220833,0.790717418541667,-  
0.416214890416667,-0.195888238891667,-0.934407739791667,-0.92376745375,-  
0.878004056875,0.0744507839572917,-0.00970985514333333,0.01948143925,-0.276121886479167,-  
0.185648954220833,-0.5737463525,-0.0576912634583333,-  
0.0320883097395833,0.0688374021666667,-0.439253058958333,-0.466298336666667,-  
0.163995791679167,-0.0828858001333333,-0.0424053708458333,-0.0445157481625,-  
0.464854363125,-0.645491337708333,-0.467595961041667,-0.107322679520833,-  
0.205977045295833,-0.107322679520833,-0.205977045295833,-0.321268911041667,-  
0.21738939458125,-0.219713472958333,-0.377532167604167,-0.572816438541667,-  
0.597291719166667,-0.266720933270833,0.00992445881854167,-0.281001986202083,-  
0.320582414375,0.0848802791083333,-0.09454497643125,-0.258639439729167,-0.1878421317125,-  
0.522728063333333,-0.365415441458333,-0.243554146666667,-0.625090981458333,-  
0.331643577458333,-0.488086123958333,-0.248601122,-0.476358845625,-0.459758488958333,-  
0.218072471479167,-0.14531853915625,-0.36672824375,-0.189511136902083,-0.2604238389625,-  
0.450612184791667,-0.438620401875,-0.60079849625,-0.621820202916667  
2,WALKING\_DOWNSTAIRS,0.27761534806383,-0.0226614158361702,-  
0.116812942382979,0.0463666814446809,0.262881788951064,-  
0.10283790806383,0.861831345531915,-0.325780100638298,-0.0438890162723404,-  
0.940361759574468,-0.940068525531915,-0.931438313191489,0.110040615569574,-  
0.00327959081489362,-0.0209351677765957,0.147249143238298,0.126828014557447,-  
0.340122023191489,-0.11594735287234,-0.00482329231914894,0.097173808906383,-  
0.320789230008511,-0.415739144893617,-0.279418388042553,-0.0581038498510638,-  
0.0421470257531915,-0.0710229816893617,-0.243940592553192,-0.469396701106383,-  
0.218266318606383,0.0899511204978723,0.215586334889362,0.0899511204978723,0.215586334889  
362,0.00565516335106383,0.22961718512766,-0.162188586930426,-0.274844110531915,-  
0.410872671489362,-0.343187875404255,0.112841160325532,0.278345041765957,-  
0.131290772,0.0161046198595745,0.171973972957447,-  
0.162032894287234,0.138120681087234,0.0962091607617021,-  
0.271498721106383,0.0499590624829787,0.0808333491276596,-0.408227423191489,-  
0.145775970406383,-0.361913824,-0.0874944736085106,-0.379436674361702,-0.458732747446809,-  
0.422987665106383,0.293424826591489,-  
0.0214787881723404,0.222247409576596,0.227480732542553,-0.320838543553192,-  
0.372576755361702,-0.380175306489362,-0.343698985425532 2,SITTING,0.277087351739131,-  
0.0156879937282609,-0.109218272456522,-0.986822279565217,-0.950704499130435,-  
0.95982817173913,0.940477273043478,-0.105630024498783,0.19872676876087,-  
0.979988760869565,-0.956750273043478,-  
0.954415873043478,0.0722564387173913,0.0116954511323913,0.00760546929869565,-  
0.988055854130435,-0.977983955434783,-0.98751821173913,-0.0454706620434783,-  
0.0599286797043478,0.0412277462173913,-0.985742027826087,-0.978919526956522,-

0.959803708695652,-0.0936328412826087,-0.0415602029130435,-0.04358509665,-  
0.989709023043478,-0.990889614782609,-0.985542325652174,-0.967893623913043,-  
0.953081444130435,-0.967893623913043,-0.953081444130435,-0.986774713043478,-  
0.984475868043478,-0.946035087173913,-0.961313624130435,-0.991081493913043,-  
0.989594919565217,-0.985803840652174,-0.957343498478261,-0.970162172608696,-0.98736209,-  
0.950073754130435,-0.956862864130435,-0.987848793695652,-0.977139702826087,-  
0.985129050217391,-0.989459107391304,-0.980804228478261,-0.988570804130435,-  
0.982621389565217,-0.982100923695652,-0.959814822391304,-0.986808501521739,-  
0.977356188695652,-0.963522659782609,-0.96127374826087,-0.955575602173913,-  
0.983874698913043,-0.984124185869565,-0.971840596086956,-0.961385745217391,-  
0.989861950869565,-0.989632908913043 2,STANDING,0.277911472222222,-0.0184208270166667,-  
0.105908536055556,-0.987271889259259,-0.957304989259259,-  
0.949741851296296,0.896928566851852,-0.370062696851852,0.129747161222222,-  
0.986685818703704,-0.97419442037037,-  
0.945927078703704,0.0747588597592593,0.0103291774794444,-0.00837158846722222,-  
0.981085715555556,-0.97105943962963,-0.982841446481481,-0.0238623875712963,-  
0.0820396577592593,0.0878351695481481,-0.972998629814815,-0.971441996481481,-  
0.964856701851852,-0.105562157888889,-0.042241953537037,-0.0546539479425926,-  
0.979324000740741,-0.983447258518519,-0.973610118333333,-0.965875181296296,-0.957874965,-  
0.965875181296296,-0.957874965,-0.980489077407407,-0.976675280185185,-0.963466341851852,-  
0.95394338037037,-0.983951904259259,-0.977204427777778,-0.983946739814815,-  
0.959871697407407,-0.962471195740741,-0.989056469814815,-0.957908842222222,-  
0.946433583518519,-0.980973241666667,-0.970851337962963,-0.979775152037037,-  
0.983007923703704,-0.973520241111111,-0.984599905185185,-0.967037112037037,-  
0.972576152962963,-0.960627696111111,-0.97498812462963,-0.97103605037037,-  
0.969754295740741,-0.964052166481481,-0.960519381481481,-0.977065295555555,-0.97516046,-  
0.961775904814815,-0.956788725740741,-0.977849827407407,-0.977754298148148  
2,LAYING,0.281373403958333,-0.0181587397583333,-0.107245610416667,-0.974059464791667,-  
0.98027739875,-0.984233296875,-0.509754238125,0.752536639375,0.646834879583333,-  
0.959014441458333,-0.988211865208333,-  
0.984230418125,0.0825972511666667,0.012254788451875,-0.00180264895625,-0.98587216875,-  
0.98317254125,-0.988442014375,-0.01847660675,-0.111800824583333,0.144882846104167,-  
0.988275232916667,-0.982291608958333,-0.960306560416667,-0.101974134208333,-  
0.0358590176083333,-0.0701783020833333,-0.993235849166667,-0.989567537916667,-  
0.98803582125,-0.977435485208333,-0.972873912916667,-0.977435485208333,-  
0.972873912916667,-0.987741696041667,-0.98551807625,-0.950011569583333,-  
0.961164053958333,-0.991767074166667,-0.989718095208333,-0.976725059791667,-  
0.979800877916667,-0.984380981875,-0.973246482083333,-0.981025105625,-0.984792185,-  
0.985813630833333,-0.982768250416667,-0.986197134583333,-0.987250255833333,-  
0.984987392916667,-0.989345368541667,-0.9864311425,-0.983321635416667,-0.9626718875,-  
0.988860685833333,-0.981910616458333,-0.963174222291667,-0.975110196458333,-  
0.975121387916667,-0.985374114791667,-0.984568489166667,-0.972112972708333,-

0.96109837875,-0.990248702291667,-0.989492660416667 3,WALKING,0.275567462068966,-  
0.0171767844203448,-0.112674859827586,-0.360356726034483,-0.0699140652103448,-  
0.387411994310345,0.936506743275862,-0.261986357931034,-0.138107866258621,-  
0.97777159137931,-0.962355639482759,-0.952091795,0.0814745882660345,0.0100591485,-  
0.00562264594827586,-0.26867964387931,-0.0449619594258621,-0.52948611637931,-  
0.0256405192517241,-0.0779150937413793,0.0813485942827586,-0.571869560172414,-  
0.563793260172414,-0.476696411551724,-0.0952398165017241,-0.0387874651724138,-  
0.0503616100815517,-0.385922986034483,-0.639087984137931,-0.536664080344828,-  
0.254690333275862,-0.328428936551724,-0.254690333275862,-0.328428936551724,-  
0.280009317413793,-0.139916355325862,-0.466411754137931,-0.561510683275862,-  
0.566135217931035,-0.567371560862069,-0.316614011689655,-0.0813024353275862,-  
0.412374074482759,-0.379276781206897,-0.124030832001724,-0.422998473965517,-  
0.304694442551724,-0.140508590224138,-0.514137255344828,-0.296596633103448,-  
0.00561498755362069,-0.543529108103448,-0.437845763793104,-0.561526265344828,-  
0.418126217413793,-0.615121369827586,-0.568888673448276,-0.545896388103448,-  
0.290031535172414,-0.456373080862069,-0.186764516965517,-0.0898519904044828,-  
0.569755772241379,-0.632643292931035,-0.607751646034483,-0.549087007931035  
3,WALKING\_UPSTAIRS,0.260819873067797,-0.0324109410555932,-0.110064863437288,-  
0.313123437627119,0.0116280813372881,-0.369754604067797,0.883533436101695,-  
0.382851153728814,-0.162943955254237,-0.944040819322034,-0.909825953898305,-  
0.909469675084746,0.0426880986186441,0.0397249270484746,0.0208205538101695,-  
0.458364616949153,-0.251680364540678,-0.708551711864407,0.0721980309322034,-  
0.139275405637288,0.0215603697,-0.456039262525424,-0.582742845932203,-0.492327305084746,-  
0.115510569491525,-0.0400372510491525,-0.0498180874305085,-0.507270757966102,-  
0.775774143389831,-0.573433947627119,-0.184014895,-0.333597432542373,-0.184014895,-  
0.333597432542373,-0.436901159491525,-0.439020591694915,-0.347321812220339,-  
0.408886653186441,-0.658861401355932,-0.718028040338983,-0.392004211474576,-  
0.0788094156644068,-0.504494528474576,-0.285333024050848,-0.00803987529661017,-  
0.350797226271186,-0.478434306271186,-0.283772547471017,-0.677314534067797,-  
0.486446509661017,-0.268191523644068,-0.738705863898305,-0.378216681762712,-  
0.637293508305085,-0.431503361525424,-0.484820991355932,-0.556045947118644,-  
0.561097649661017,-0.315866079491526,-0.447994369152542,-0.412920898474576,-  
0.48060920220339,-0.514211583728814,-0.445181802430508,-0.716877778644068,-  
0.740033436271187 3,WALKING\_DOWNSTAIRS,0.292423484693878,-0.0193554079328571,-  
0.116139842908163,-0.0574100475102041,-0.0331503723387755,-  
0.362240245489796,0.939057787755102,-0.228829214285714,-0.102352758040816,-  
0.950061129591837,-0.946094637755102,-  
0.899943947755102,0.0725689294489796,0.0109707769183673,-0.00202727978142857,-  
0.0858010042244898,-0.111439194979592,-0.571735243061225,-0.13157327645102,-  
0.0139358043959184,0.123826738353061,-0.261653414014286,-0.546740387959184,-  
0.44230776755102,-0.0778701650285714,-0.0391567930959184,-0.0416193131122449,-  
0.285683162346939,-0.680947338163265,-0.374605412306122,-0.0628126118283674,-

0.0411340078469388,-0.0628126118283674,-0.0411340078469388,-0.205239246653061,-  
0.0926324494530612,-0.215294501244898,-0.245794699346939,-0.508567577142857,-  
0.583919211020408,-0.0421706943244898,-0.00770048300204082,-0.404452414285714,-  
0.0654417192653061,-0.109722354322449,-0.389723034061225,-0.0906707125102041,-  
0.135938542632653,-0.529059450612245,-0.165442898685714,-0.14772824006198,-  
0.613525074285714,-0.129066574295918,-0.542694164081633,-0.302866461179592,-  
0.30863033105102,-0.553094540204082,-0.548164313265306,0.0289413195612245,-  
0.233849422120408,-0.049477977322449,-0.159102288018367,-0.332376629371429,-  
0.322440827020408,-0.576277199387755,-0.624910820612245 3,SITTING,0.257197599134615,-  
0.00350299841730769,-0.0983579203269231,-0.971010120961538,-0.856617812115385,-  
0.875110175384615,0.901098984615385,0.127303379245962,0.139020582461538,-  
0.957324457884615,-0.903923008269231,-  
0.897736318269231,0.0726098418653846,0.00272529134230769,-0.00423348373557692,-  
0.974467390384615,-0.953631390961539,-0.974661565961538,-0.0385365204807692,-  
0.07524100275,0.0940113975530769,-0.965434768461538,-0.944854571346154,-  
0.926413710384615,-0.103605889057692,-0.0360909881807692,-0.0590079966686538,-  
0.972546905961538,-0.978635908653846,-0.973751670576923,-0.895383350192308,-0.8703017,-  
0.895383350192308,-0.8703017,-0.969080752884615,-0.966550084230769,-0.919354372307692,-  
0.925518103807692,-0.977998051923077,-0.976772675961539,-0.970154440961539,-  
0.891907751346154,-0.917987925384615,-0.971605878461538,-0.8496556575,-0.864322464038462,-  
0.974950363461538,-0.954170151346154,-0.970845669423077,-0.976283534807692,-  
0.956461756730769,-0.9771595725,-0.957550637692308,-0.95617355,-0.934967958846154,-  
0.968013062884615,-0.939609988461538,-0.930633150769231,-0.904185725576923,-  
0.874626592115385,-0.965888891730769,-0.966568852884615,-0.946664943653846,-0.925449629,-  
0.977898105576923,-0.976689802692308 3,STANDING,0.280046513278689,-0.0143376555065574,-  
0.101621722633148,-0.96674254295082,-0.893449307213115,-  
0.911419015081967,0.93503077852459,-0.301735130327869,0.024763106752459,-  
0.982020428032787,-0.957425321803279,-  
0.928161577377049,0.0750900622277049,0.00771663644590164,-0.00807177934114754,-  
0.957086489344262,-0.941686785737705,-0.973059634918033,-0.0246626070770492,-  
0.0585101918262295,0.0665262054098361,-0.900462227540984,-0.927788618196721,-  
0.91236408147541,-0.0994602620655738,-0.0472415819016393,-0.0416832156688525,-  
0.940937642459016,-0.968433747868852,-0.958293011803279,-0.925430819016393,-  
0.915143303606557,-0.925430819016393,-0.915143303606557,-0.959303840327869,-  
0.948770043278689,-0.892089349344262,-0.88212522147541,-0.962339339672131,-  
0.957679766885246,-0.960123409508197,-0.908075353770492,-0.939507735245902,-  
0.969931287377049,-0.89243434852459,-0.904801254590164,-0.957666856721312,-  
0.943497973606557,-0.969174903442623,-0.960570921803279,-0.943948547213115,-  
0.975595949508197,-0.901282267540984,-0.937711157213115,-0.916172537704918,-  
0.901985672459016,-0.923125941147541,-0.919743846065574,-0.926968932295082,-  
0.921836076557377,-0.948627467704918,-0.94820681442623,-0.913682362622951,-  
0.883439718032787,-0.960331717868852,-0.957121510491803 3,LAYING,0.275516852741935,-

0.0189556785048387,-0.101300477506452,-0.982776639193548,-0.962057544516129,-  
0.96369103483871,-0.241758478064516,0.837032099677419,0.48870318516129,-  
0.982512193064516,-0.981202749677419,-  
0.964807543870968,0.0769811125806452,0.0138041011306452,-0.00435625874355645,-  
0.98087931483871,-0.968710724677419,-0.982093162903226,-0.0208170540330645,-  
0.0718507159435484,0.137999561112903,-0.974545752096774,-0.977272653709677,-  
0.963505609032258,-0.10004449883871,-0.0389771765322581,-0.06873387,-0.980328645,-  
0.986762741935484,-0.983338279516129,-0.972791346129032,-0.964218176451613,-  
0.972791346129032,-0.964218176451613,-0.979484593387097,-0.976121297903226,-  
0.951564751451613,-0.954275110967742,-0.98671362516129,-0.983139255645161,-  
0.980665609032258,-0.961169982903226,-0.968332141612903,-0.983691129032258,-  
0.964094604193548,-0.96327908016129,-0.980513202258065,-0.968752113709677,-  
0.979122344354839,-0.983122615967742,-0.971044012741936,-0.983711904677419,-  
0.970167262903226,-0.978099682258065,-0.962341960806452,-0.975986433709677,-  
0.977032495483871,-0.967256854193548,-0.96552427516129,-0.968350217419355,-  
0.975949597903226,-0.975305377903226,-0.96458672483871,-0.955441855806452,-  
0.984278251290323,-0.982568158064516 4,WALKING,0.278582015166667,-0.0148399475341667,-  
0.11140306485,-0.440829971333333,-0.0788267367683333,-  
0.586252806833333,0.963999696833333,-0.0858540265666667,0.127764112666667,-  
0.983826494833333,-0.967963221,-0.962968112,0.0783529082183333,0.00295602428666667,-  
0.000767679338333334,-0.297042612533333,-0.221165131581667,-0.7513913825,-  
0.0317982557795,-0.0726905278583333,0.0805677161216667,-0.500916659,-0.665394092833333,-  
0.662608226,-0.115321556475,-0.0393474489133333,-0.0551166852766667,-0.492341066833333,-  
0.807419937,-0.640454132833333,-0.312050574166667,-0.527679103166667,-0.312050574166667,-  
0.527679103166667,-0.366700879833333,-0.316918956,-0.49779220106,-0.553116111166667,-  
0.6813040365,-0.7301463685,-0.426719449666667,-0.14939963344,-0.631005470833333,-  
0.447234929666667,-0.101799450565167,-0.594198325666667,-0.358883413666667,-  
0.279553391533333,-0.728991595666667,-0.29732607245,-0.2099000063,-0.772359087333333,-  
0.373384540666667,-0.688460056666667,-0.601381129166667,-0.542646759,-0.654657770166667,-  
0.716458475166667,-0.450804558333333,-0.651172628166667,-0.318587811,-0.320458701,-  
0.609285588016667,-0.593937200833333,-0.724327420666667,-0.757768081166667  
4,WALKING\_UPSTAIRS,0.270876696730769,-0.0319804295729615,-0.114219455519231,-  
0.204933042903846,-0.0666899105180769,-0.372137777692308,0.946264314423077,-  
0.232944304615385,0.0841675382884615,-0.958495235576923,-0.923376019038461,-  
0.919619453269231,0.0560971909634615,0.0234018993153846,0.0034028083673077,-  
0.380488027307692,-0.281543175326923,-0.726495311923077,0.0393825198942308,-  
0.0859471683596154,0.0843753843384615,-0.454431043269231,-0.551185569230769,-  
0.360811047884615,-0.1314720713,-0.0390508828865385,-0.0722496260807692,-  
0.533666803846154,-0.840722752692308,-0.556236584807692,-0.153703935357692,-  
0.212012300480769,-0.153703935357692,-0.212012300480769,-0.400922254807692,-  
0.437261477884615,-0.299779407884615,-0.510974134423077,-0.686978374423077,-  
0.755270457692308,-0.294488270365385,-0.117109161492308,-0.524655722692308,-



0.173217219014423,-0.101434446040385,-0.345109817692308,-0.418304647307692,-  
0.297805187243462,-0.690106934230769,-0.396762584807692,-0.314525030788462,-0.762772175,-  
0.3710689925,-0.684310201538462,-0.350765737115385,-0.483548693461539,-0.489824279230769,-  
0.424533512307692,-0.276825498230769,-0.301005898461538,-0.397406285,-0.497324087307692,-  
0.575794072115385,-0.552489628846154,-0.740749226346154,-0.794209483076923  
4,WALKING\_DOWNSTAIRS,0.279965329555556,-0.00980200850666667,-  
0.1067775246,0.0111935496222222,-0.21859832499,-0.479185977111111,0.947731858666667,-  
0.0620852772955556,0.148714808888889,-0.955258881333333,-0.932066041111111,-  
0.937753794444444,0.0971862748866667,0.00563780215111111,-0.00729137766444445,-  
0.145759708684667,-0.146242294857778,-0.626646986888889,-0.102838822533333,-  
0.0704025952333333,0.05926394948,-0.370244695288889,-0.699453537111111,-  
0.498480800444444,-0.0921282734666667,-0.0348434913444444,-0.0492836435688889,-  
0.395995494444444,-0.816858240222222,-0.325780073711111,-0.0491616726733333,-  
0.0819559041111111,-0.0491616726733333,-0.0819559041111111,-0.228851413747333,-  
0.216858921977778,-0.3466062928,-0.3805726254,-0.592843014888889,-0.637079543555556,-  
0.0722392276888889,-0.129606639466667,-0.494683451555556,0.0390098262533333,-  
0.32253131772,-0.512694303111111,-0.16163290774,-0.172941628735556,-0.583917371333333,-  
0.208250062317778,-0.177202094317778,-0.668867334444444,-0.240298893435556,-  
0.717545840444445,-0.318306481022222,-0.414919000955556,-0.691518367333333,-  
0.621658471333333,-0.01907433524,-0.263644030288889,-0.175295286557778,-  
0.280426776955556,-0.429213369555556,-0.457674088,-0.621752455777778,-0.685470931777778  
4,SITTING,0.27153827992,-0.007163065158,-0.10587459588,-0.980309931,-0.89022398108,-  
0.9322030066,0.8693030064,0.211622539936894,0.11012048108,-0.9814052948,-0.93272710386,-  
0.9509492546,0.0784500239,-0.0108582171094,-0.0121499951596,-0.9767421962,-0.9445961056,-  
0.9790387658,-0.04944351156,-0.08943006108,0.10115033478,-0.9701317904,-0.9584681204,-  
0.9279722294,-0.09694948424,-0.041848389996,-0.0489964351672,-0.9698997312,-0.984441358,-  
0.9688048316,-0.93569482,-0.9144078448,-0.93569482,-0.9144078448,-0.9701322836,-  
0.9625491104,-0.9260633138,-0.928898293,-0.9804904618,-0.9758066902,-0.9774624984,-  
0.9057829318,-0.9517837432,-0.9819081892,-0.8894673494,-0.9269993168,-0.9768457126,-  
0.9442983908,-0.9751549056,-0.9787769122,-0.949293158,-0.9816994482,-0.9605896358,-  
0.9675836478,-0.9337768922,-0.973333107,-0.954120419,-0.9328683544,-0.929002095,-  
0.9198157096,-0.9625007338,-0.9615845194,-0.9487697524,-0.9288505544,-0.9765477634,-  
0.9762617538 4,STANDING,0.280499745892857,-0.00948911098553571,-0.0961574905535714,-  
0.97692058,-0.86159737875,-0.896880538392857,0.95619779125,-  
0.0759009061071429,0.166893825946429,-0.972908355892857,-0.917613464821429,-  
0.899404775267857,0.0721328379857143,-0.00653015693773214,-0.0211889890567857,-  
0.972586541964286,-0.938354677857143,-0.973054201071429,-0.0306449342357143,-  
0.061824850625,0.0755636430892857,-0.909687974464286,-0.949227146964286,-  
0.909995038571429,-0.103057894142857,-0.0461257201357143,-0.0490753497867857,-  
0.949633878571429,-0.976065174642857,-0.957982019464286,-0.906478051785714,-  
0.890976683392857,-0.906478051785714,-0.890976683392857,-0.963370738392857,-  
0.958159482142857,-0.900982100535714,-0.885144317678572,-0.967614073928571,-

0.964282784285714,-0.973497549642857,-0.889549205,-0.93164342125,-0.978737637678572,-  
0.857380281803571,-0.887554317678571,-0.972310894285714,-0.937624242142857,-  
0.968648411607143,-0.975706723571429,-0.944075308928571,-0.976229505535714,-  
0.905464161964286,-0.955992945178571,-0.915280955357143,-0.912464793928571,-  
0.945825840178571,-0.91665163125,-0.917614014821429,-0.895340042142857,-  
0.956139283571428,-0.96003249875,-0.914209165714286,-0.887194404285714,-  
0.964471139464286,-0.9664302175 4,LAYING,0.263559214981481,-0.0150031841055556,-  
0.110688150314815,-0.954193738888889,-0.941714042407407,-0.962667314814815,-  
0.420664662222222,0.915165104259259,0.341531310555556,-0.921199965925926,-  
0.969816635740741,-0.976176608888889,0.0934494217777778,0.00693313213968519,-  
0.00641054328740741,-0.978302781111111,-0.942209488333333,-0.978511984259259,-  
0.00923156347222222,-0.0930128180759259,0.169720404092593,-0.973102422222222,-  
0.961109291851852,-0.962073755,-0.105019877685185,-0.038123043222222,-  
0.0712156288333333,-0.975103204259259,-0.986855629814815,-0.983965359814815,-  
0.954557603148148,-0.931292216611111,-0.954557603148148,-0.931292216611111,-  
0.970095771666667,-0.960786430740741,-0.930236462592593,-0.947031781666667,-  
0.985068502037037,-0.982698213703704,-0.958802077592593,-0.938883374444444,-  
0.967504278888889,-0.952464881481481,-0.946380971111111,-0.962154454259259,-  
0.978542457407407,-0.943969987222222,-0.975383329444444,-0.980079292592593,-  
0.944366881666667,-0.980261236296296,-0.967203736481481,-0.972187839074074,-  
0.961479262592593,-0.975094739444445,-0.956182500185185,-0.965807466666667,-  
0.939389701296296,-0.937187975962963,-0.96228712537037,-0.958037119259259,-  
0.961556660185185,-0.947100325185185,-0.983609073333333,-0.982543631666667  
5,WALKING,0.27784234625,-0.0172850317482679,-0.107741776464286,-  
0.294098534232143,0.0767484028053572,-0.45702143625,0.972624959821429,-  
0.100440285303571,0.00247623628392857,-0.979348381428571,-0.961585474821429,-  
0.964580803928571,0.0845888833571429,-0.0163194101232143,8.32159351785732e-05,-  
0.302891024625,-0.0910397428607143,-0.612895318571429,-0.0488919896632143,-  
0.0690135249642857,0.0815435495892857,-0.490877497857143,-0.504622029821429,-  
0.318700615178571,-0.0888408355267857,-0.0449559531089286,-0.0482679596035714,-  
0.357681403285714,-0.57143812375,-0.157682543983929,-0.158338674394643,-  
0.377178733392857,-0.158338674394643,-0.377178733392857,-0.288333024071429,-  
0.282242276785714,-0.355933083571429,-0.492176823571429,-0.444532485357143,-  
0.48919974625,-0.287782607410714,0.00946037755178572,-0.490251090714286,-  
0.297517355196429,0.0426026830839286,-0.483059957321429,-0.344954806428571,-  
0.181055554206071,-0.590496615535714,-0.3213903195,-0.0545213604089286,-  
0.633429995714286,-0.372668749642857,-0.513951718392857,-0.213127031035714,-  
0.529392790178572,-0.502683380535714,-0.420367075178571,-0.304992488892857,-  
0.519636926071429,-0.269481661080357,-0.305685376071429,-0.484262828928571,-  
0.589741506785714,-0.548053574821429,-0.455665300892857  
5,WALKING\_UPSTAIRS,0.268459469914894,-0.0325269755153192,-0.107471453914894,-  
0.0457237779851064,0.185022459476596,-0.308938978787234,0.936821834893617,-

0.265942569148936,-0.0232035364248936,-0.95357996893617,-0.900511719787234,-  
0.92141958,0.0795443483829787,0.0140130363106383,-0.025590953282766,-0.223896564340426,-  
0.125026612744681,-0.63836903212766,0.0395191121489362,-  
0.117195551802128,0.0424442819489362,-0.443342262340425,-0.440345826382979,-  
0.26545133312766,-0.143029686361702,-0.0559895777393617,-0.0534895401,-0.305245202489362,-  
0.631822048297872,-0.282154378489362,0.0435562021989362,-  
0.136736383765957,0.0435562021989362,-0.136736383765957,-0.247403476914894,-  
0.310186545957447,-0.235516929306383,-0.354687870212766,-0.47348816787234,-  
0.557988065531915,-0.161485339978723,0.0728903158085106,-0.457470676808511,-  
0.00473819670425532,0.165037631180851,-0.28925665906383,-0.289725470425532,-  
0.19681792087234,-0.606717464680851,-0.22532784293617,-0.105311152804255,-  
0.668825711276596,-0.263615096246809,-0.516609046808511,-0.139801393244681,-  
0.501685580212766,-0.403486393191489,-0.380378006808511,-0.169261525,-0.254091927148936,-  
0.264674938957447,-0.378616675957447,-0.392564530851064,-0.440445051914894,-  
0.571344138723404,-0.572485019787234 5,WALKING\_DOWNSTAIRS,0.29354392712766,-  
0.00850107533191489,-0.100319930659574,0.275046110468085,0.0907630761042553,-  
0.325891435319149,0.956649352553191,-0.0607578318319149,0.0216777910246191,-  
0.950490938510638,-0.912363420851064,-  
0.927192732978723,0.109650600459574,0.0137618233808511,0.0213397664446809,0.032241550163  
8298,0.0473612314702128,-0.52265163787234,-0.068294569906383,-  
0.0707805998787234,0.0806559989574468,-0.460646844872341,-0.409134149148936,-  
0.227869042382979,-0.110149008255319,-0.0708296588478723,-0.0399656935617021,-  
0.411302217446809,-0.514591487234043,-  
0.0344217467042553,0.211138853638298,0.205422375957447,0.211138853638298,0.2054223759574  
47,-0.0637528559361702,-0.0292570509829787,-0.218029835319149,-0.360678305253192,-  
0.39719562106383,-0.450303212340426,0.0984320090212766,0.0792280694042553,-  
0.374740089574468,0.336554724893617,0.0268269875085106,-0.353397850212766,-  
0.0368012151170213,-0.0568032957531915,-  
0.491979946170213,0.011055933212766,0.0901720096791489,-0.551178075319149,-  
0.295345101425532,-0.382483075106383,-0.034175027916383,-0.51494094106383,-  
0.431552775319149,-  
0.374705187021277,0.155742168808511,0.0428533623276596,0.00918394264170213,-  
0.089735699787234,-0.349338414731915,-0.484141274255319,-0.453697247021277,-  
0.487128422553192 5,SITTING,0.273694139545455,-0.00990083527045455,-0.108540300265909,-  
0.980945022045455,-0.904335121022727,-  
0.926094740227273,0.880731443863636,0.168445524,0.143006857611364,-0.983137541590909,-  
0.939942979795454,-0.945008999545455,0.0749577410909091,-  
0.00278773346136364,0.00338609594827273,-0.975204850227273,-0.952786261136364,-  
0.973436529545454,-0.0422355209795455,-0.0835484079545455,0.0823934451590909,-  
0.966225485,-0.950064068181818,-0.940637937045454,-0.0889747665681818,-  
0.0454702982386364,-0.0487714733568182,-0.966037012045455,-0.975433911363636,-  
0.964878512727273,-0.9379783225,-0.920939027727273,-0.9379783225,-0.920939027727273,-

0.969320155681818,-0.965757731590909,-0.934301646590909,-0.931414810454545,-  
0.973848287045455,-0.970392610454546,-0.977450812045454,-0.921434735681818,-  
0.946064216818182,-0.9825908425,-0.9022915301,-0.92184351,-0.976024951136364,-  
0.954237489772727,-0.969501330681818,-0.976530547272727,-0.954464442045455,-0.97602233,-  
0.957117251818182,-0.955460359318182,-0.938003425909091,-0.969390369318182,-  
0.947571471590909,-0.947346476590909,-0.936290604545455,-0.925669291136364,-  
0.964440302272727,-0.966545323409091,-0.944760322045455,-0.934746865454546,-  
0.971598370227273,-0.970675403409091 5,STANDING,0.282544390892857,-0.00700418554517857,-  
0.102171095696429,-0.968591815714286,-0.869439913392857,-  
0.869327321785714,0.960188699107143,-0.03871012665,0.138638436607143,-0.974088206071429,-  
0.931973943392857,-0.914608495714286,0.0725189859107143,-0.00221990214464286,-  
0.0122812220569643,-0.962647080178571,-0.931217140714286,-0.963832118928572,-  
0.0322711902673214,-0.050987505,0.0690945763946429,-0.910395222321429,-0.933738104107143,-  
0.907471555714286,-0.0922249863035714,-0.0399108188821429,-0.0422221341625,-  
0.941930044107143,-0.961177741607143,-0.944755343035714,-0.906104701071429,-  
0.87977380125,-0.906104701071429,-0.87977380125,-0.956863566071429,-0.942962047678571,-  
0.900671630714286,-0.867041711785714,-0.958405900892857,-0.947970723571428,-  
0.964500917321429,-0.890796360535714,-0.915083799107143,-0.97066840875,-  
0.867933178017857,-0.858231387857143,-0.963059235178571,-0.93137020875,-  
0.958438726607143,-0.965778920714286,-0.936202600714286,-0.96807230125,-  
0.909661802321429,-0.939373524464286,-0.907190836607143,-0.912780915714286,-  
0.931857811428571,-0.91678935625,-0.9046413925,-0.886745170714286,-0.941825903035714,-  
0.943601960178571,-0.904543921607143,-0.868913993928571,-0.952286438035714,-  
0.946196462857143 5,LAYING,0.278334325576923,-0.0183042123269231,-0.107937603673077,-  
0.965934509615385,-0.969295613269231,-0.968562516346154,-  
0.483470597692308,0.954890346153846,0.263644691923077,-0.945695336153846,-  
0.985964053846154,-0.977076645,0.0848164824230769,0.00747460829615385,-  
0.00304067159653846,-0.983307862115385,-0.964560430961538,-0.985419368461539,-  
0.0218935013501923,-0.0798709596153846,0.159894366942308,-0.979498706538461,-  
0.977427370576923,-0.960583776923077,-0.102114125,-0.0404446925288462,-0.07083096875,-  
0.983422257692308,-0.983759479230769,-0.989679592307692,-0.966777882884615,-  
0.958612786346154,-0.966777882884615,-0.958612786346154,-0.980141253846154,-  
0.977477145384615,-0.946938300576923,-0.958287921923077,-0.9864194225,-0.98377138,-  
0.968741678461538,-0.965419520961538,-0.977007724615385,-0.964953893653846,-  
0.972909186730769,-0.965882191153846,-0.982689657115385,-0.965328566153846,-  
0.983250309423077,-0.985625270384615,-0.96624258,-0.986135599038461,-0.975797491730769,-  
0.978249645769231,-0.963202948461538,-0.980705769807692,-0.977257800961539,-  
0.963305738076923,-0.962234984038462,-0.962525369423077,-0.977356379807692,-  
0.976381934807692,-0.968257068846154,-0.959263063269231,-0.984618025769231,-  
0.983434493076923 6,WALKING,0.283658868070175,-0.0168954189082456,-0.110303165877193,-  
0.296538717368421,0.164213884996491,-0.504324207192982,0.958067455087719,-  
0.214694852280702,0.0331888826842105,-0.977779896491228,-0.964248568070176,-

0.957205025789474,0.0699585876912281,-0.0164831715964912,-0.00738931200701754,-  
0.132784766936842,0.00808897373684211,-0.575777466491228,-0.025509618645614,-  
0.0744462466,0.0838808799280702,-0.446020952631579,-0.331702267894737,-0.383139334736842,-  
0.0878891090105263,-0.0362308971842105,-0.0539597284210526,-0.18260093354386,-  
0.416390246140351,-0.166684422233333,-0.166840713631579,-0.266734167368421,-  
0.166840713631579,-0.266734167368421,-0.195117026052632,-0.0706029648421053,-  
0.281207841122807,-0.36560291677193,-0.321290483140351,-0.36470834231579,-  
0.187934323140351,0.140781621991228,-0.498520164385965,-0.34522769,0.101699642168947,-  
0.550474621754386,-0.150942917824561,-0.0753742321614035,-0.541438616140351,-  
0.19269469414386,0.0314450678263158,-0.608624354210526,-0.239650710533333,-  
0.341378429473684,-0.203575458733333,-0.515323854385965,-0.332008706842105,-  
0.512209233508772,-0.201386607649123,-0.421683093508772,-0.055401423331579,-  
0.0964999702982456,-0.329681123368421,-0.510648322631579,-0.366500534122807,-  
0.408078906482456 6,WALKING\_UPSTAIRS,0.268229355098039,-0.0272425385070588,-  
0.122082438784314,-0.0501350188513726,0.189276117327451,-  
0.353519514896078,0.913632241568627,-0.340732608823529,-0.0184608964392157,-  
0.959399425098039,-0.912900683137255,-0.906196352156863,0.07210675,0.00371343419607843,-  
0.00237816579411765,-0.180301156098039,-0.0413994646723529,-0.560830688235294,-  
0.0767406825588235,-0.0518981989072549,0.0664234025976471,-0.321973723647059,-  
0.315799901607843,-0.18390018167451,-0.0652024492378432,-0.0457705354509804,-  
0.0576800048435294,-0.186763293747059,-0.486494120980392,-  
0.170814790834118,0.0177790974433333,-0.0791508842176471,0.0177790974433333,-  
0.0791508842176471,-0.207379799254902,-0.169970363039216,-0.12912124415098,-  
0.199893710196078,-0.342895367921569,-0.440079851313726,-  
0.131075372803922,0.0978035099588235,-0.42724809972549,-  
0.0211335627276471,0.159123777172549,-0.36587418445098,-0.244812769960784,-  
0.122991594331373,-0.549314615882353,-0.186815074235294,-0.0169811409705882,-  
0.571673957058824,-0.115065008156863,-0.329653779629412,-0.0464142110215686,-  
0.390248128039216,-0.31361857145098,-0.309998085098039,-0.0819479396203922,-  
0.222161433666667,-0.169868234496078,-0.177734840922353,-0.230627015078431,-  
0.318173892545098,-0.45923633377451,-0.455937719019608  
6,WALKING\_DOWNSTAIRS,0.277045258145833,-0.019536840063125,-  
0.107209356208333,0.383681639791667,0.360164958768542,-  
0.320204232520417,0.928531455208333,-0.214046334375,-0.00307981704708333,-0.9544062675,-  
0.93357760125,-0.934378766458333,0.103681343708333,0.00987685807166667,-  
0.00932470617291666,0.165271070858333,0.276544029529167,-0.336817322270833,-  
0.0960837437708333,-0.0341782208604167,0.0870012595210417,-0.19830385328125,-0.18922957,-  
0.0940797929729167,-0.0256452232354167,-0.0768089915604167,-  
0.0372228650416667,0.0393387960854167,-  
0.193508405479167,0.193206498960417,0.333754731458333,0.373611914166667,0.33375473145833  
3,0.373611914166667,0.10384507225,0.209502174375,0.0142677821595833,-0.0426276750979167,-  
0.0829366854166667,-0.111228416159583,0.328308506041667,0.339771173822917,-

0.277602590916667,0.403369766666667,0.283247837625,-  
0.4060143105,0.136554991314583,0.1372024523,-  
0.283086205125,0.0886515099394167,0.341242392604167,-0.389057047125,0.0633716052854167,-  
0.130327465789583,0.15284524938125,-0.286724914610417,-0.235470976166667,-  
0.275667262770833,0.395958034583333,0.1446227570625,0.243834258785417,0.15480886140625,-  
0.0143735434,-0.242353857320833,-0.132705384364583,-0.145733545496458  
6,SITTING,0.276778487454545,-0.0145911615290909,-0.110127728709091,-0.980164933636364,-  
0.923682131090909,-  
0.925797097090909,0.933692934909091,0.0682628663363636,0.0695219657167273,-  
0.988872369272727,-0.960875994727273,-  
0.955475832363636,0.0754721635223636,2.55649800000024e-06,0.00623727782090909,-  
0.969929476363636,-0.945143686181818,-0.958572952545454,-0.0372442282830909,-  
0.0899083302550909,0.0854346006181818,-0.957367681818182,-0.944130044727273,-  
0.939681350909091,-0.0936693524363636,-0.0333986700025455,-0.0465504310978182,-  
0.943714804727273,-0.961780726363636,-0.958787671272727,-0.949543531272727,-  
0.931572655636364,-0.949543531272727,-0.931572655636364,-0.962733502,-0.948181827818182,-  
0.932703812181818,-0.921259472727273,-0.962929227818182,-0.950150571818182,-  
0.975351454727273,-0.928264365454545,-0.935798115272727,-0.982451284727273,-0.925676956,-  
0.925768475636364,-0.971037479818182,-0.947070821272727,-0.954199785636364,-  
0.971488767454546,-0.946880042,-0.961636555090909,-0.939671400545454,-0.943857393090909,-  
0.934764895454545,-0.963407046545455,-0.944901470363636,-0.947326797818182,-  
0.935750391272727,-0.939547202909091,-0.948348653636364,-0.947304700363636,-  
0.929725679272727,-0.929549141636364,-0.952034566,-0.951196693454546  
6,STANDING,0.280346248596491,-0.0181236327175439,-0.112172831947368,-0.981758159649123,-  
0.921493191754386,-0.925692371929825,0.945139003859649,-  
0.230251036140351,0.0139193473596491,-0.985583066842105,-0.96844910122807,-  
0.942795062280702,0.0730699604561404,0.00871883993421053,-0.00481712245438597,-  
0.973132635789474,-0.949362277017544,-0.967547241754386,-0.028251913022807,-  
0.0589823639438597,0.0767394745964912,-0.947561298596491,-0.94248658631579,-  
0.947782155964912,-0.103292534210526,-0.0428828304736842,-0.0506432189438597,-  
0.946423593157895,-0.96242216368421,-0.962758177192982,-0.945022876491228,-  
0.939310249649123,-0.945022876491228,-0.939310249649123,-0.967102436140351,-  
0.956099145964912,-0.939404744385965,-0.915891572982456,-0.963406222982456,-  
0.952536233859649,-0.977100287368421,-0.930336471754386,-0.942864017017544,-  
0.984067374035088,-0.921449111052632,-0.922067224210526,-0.97348053877193,-  
0.951405464912281,-0.963743518070175,-0.975235677719298,-0.950681450350877,-  
0.969895845789474,-0.931612384385965,-0.943273146140351,-0.943239602105263,-  
0.952817395263158,-0.942539174210526,-0.95445570245614,-0.945949804035088,-  
0.94456410754386,-0.955914005438597,-0.95538157877193,-0.926664297017544,-  
0.923108761578947,-0.955425138245614,-0.952088499473684 6,LAYING,0.248656520140351,-  
0.0102529170561404,-0.133119570368421,-0.934049422052632,-0.924644826385965,-  
0.925216100350877,-0.47670987877193,0.956593814210526,0.175867709021053,-

0.887746310350877,-0.959161956491228,-0.928130738421053,0.0963481955263158,-  
0.00114529240245614,0.00328817288070175,-0.966341054736842,-0.933674494385965,-  
0.959646055263158,-0.0079605026754386,-0.107218315054386,0.179102058245614,-  
0.955378225087719,-0.943634949473684,-0.939141878596491,-0.111267284631579,-  
0.0424104289992983,-0.0717774743859649,-0.939611608245614,-0.958628819649123,-  
0.959579071578947,-0.918878850824562,-0.897326245964912,-0.918878850824562,-  
0.897326245964912,-0.954750504912281,-0.950341934385965,-0.908980174736842,-  
0.920914497017544,-0.955645738245614,-0.953157001578947,-0.939114254210526,-  
0.923706791403509,-0.938044912280702,-0.932462941461404,-0.929711219929825,-  
0.924004748421053,-0.967072436842105,-0.936043420175439,-0.954425844736842,-  
0.968619159473684,-0.935717452807017,-0.963567540877193,-0.935439769649123,-  
0.941771544385965,-0.932636612807018,-0.962164978596491,-0.945365097894737,-  
0.947136774385965,-0.91235165222807,-0.905373979824561,-0.948655471052632,-  
0.951552664035088,-0.930153639473684,-0.928694890175439,-0.953695957368421,-  
0.955504654561403 7,WALKING,0.275592961754386,-0.018653665345614,-0.110912234947368,-  
0.327243240701754,-0.0772618561052632,0.159631283261404,0.932566472280702,-  
0.159097003684211,-0.160846924029807,-0.979851271403509,-0.969404155087719,-  
0.952159770526316,0.0901462649192982,0.0184322723280702,-0.0210398551649123,-  
0.346026226140351,-0.0547448948245614,-0.149488514397895,0.00228835208526316,-  
0.0837113724842105,0.0641104602035088,-0.503313517017544,-0.23109830545614,-  
0.396013535263158,-0.123654199751333,-0.0447766029745614,-0.0495713093294737,-  
0.21166729682807,-0.174136410738597,-0.458302971403509,-0.0978090439438596,-  
0.198554708385965,-0.0978090439438596,-0.198554708385965,-0.192948900438597,-  
0.027557329277193,-0.305959351403509,-0.19828316695614,-0.300022779964912,-  
0.0953401161070176,-0.343048405789474,-0.0641564202736842,0.0385832252345614,-  
0.322034908070175,-0.143721823263158,0.133316828089298,-0.383715797719298,-  
0.123192887383684,-0.106490372892632,-0.365314790947368,-0.0431917460807018,-  
0.190751539207018,-0.318395104666667,-0.151966687436842,-0.366733617894737,-  
0.563615256666667,-0.290859379017544,-0.463270018245614,-0.151243649578947,-  
0.351706780526316,-0.0384187298547368,-0.022138358,-0.192909765467895,-0.343894914947368,-  
0.155339855862632,-0.0841663774087719 7,WALKING\_UPSTAIRS,0.248706923078431,-  
0.0275639005607843,-0.143769688803922,-0.29487297445098,-0.32616002254902,-  
0.145665025639216,0.81874656,-0.240950944117647,-0.403599709607843,-0.932823053333333,-  
0.939774255490196,-0.881675909607843,0.0724649938509804,-0.000812387078431372,-  
7.45196666666666e-05,-0.415153115882353,-0.519897595686274,-0.60780843627451,-  
0.138778108029412,-0.00247161973,0.139217071509804,-0.363853236862745,-0.572996820784314,-  
0.348980051411765,-0.0856640866647059,-0.0482219105196078,-0.072451747827451,-  
0.616812659215686,-0.671243739607843,-0.682184175686275,-0.198074437978431,-  
0.33474460745098,-0.198074437978431,-0.33474460745098,-0.458695232352941,-  
0.471265710980392,-0.239099165627451,-0.418144852156863,-0.661969771960784,-  
0.67642807254902,-0.336199426470588,-0.381590523137255,-0.317461021372549,-  
0.279870086215686,-0.341025552941177,-0.124912269443137,-0.454647881960784,-0.53707567,-

0.581764526862745,-0.426974025686275,-0.53419130254902,-0.631919608823529,-  
0.383889342745098,-0.567920266470588,-0.408150266666667,-0.368636961470588,-  
0.579964614705882,-0.393062890647059,-0.378618761568627,-0.415307106666667,-  
0.45478324745098,-0.497441363137255,-0.533982945882353,-0.444994481882353,-  
0.673327281960784,-0.704090967843137 7,WALKING\_DOWNSTAIRS,0.28030708,-  
0.0166332372978723,-0.096938308587234,0.0660815600978723,-0.138179072734043,-  
0.0636402447755319,0.930623632765957,-0.12987167306383,-0.154935538544681,-  
0.964875962978723,-0.952678693617021,-0.92875646893617,0.0968926184638298,-  
0.0191061075170213,-0.0160390392510638,0.0285033927287234,-0.296279674759574,-  
0.347107758021277,-0.105409612961702,-0.049717460606383,0.116894769042766,-0.407744096,-  
0.29262613606383,-0.401051415531915,-0.0597273512680851,-0.0381904275744681,-  
0.0789469342553192,-0.510731018297872,-0.299520205208511,-  
0.425200371553192,0.0198795285851064,0.214544028088723,0.0198795285851064,0.214544028088  
723,-0.170319619372979,0.0901836280510638,-0.18874081887234,-0.259751603446809,-  
0.399229959148936,-0.29477867693617,0.0443428315319149,-0.145302311446809,-  
0.139216222106383,0.0730110797851064,-0.190187141297872,-0.100121492529787,-  
0.0305226686191489,-0.316236510319149,-0.296494902765958,-0.00426289144680851,-  
0.324378560319149,-0.397774503468085,-0.33930147,-0.21444307293617,-0.299600267680851,-  
0.432730974446809,-0.351717743191489,-  
0.495120053191489,0.218911066191489,0.0214440976893617,0.067389886106383,0.1078568403021  
28,-0.255045057404255,-0.396909651702128,-0.289096677191489,-0.353544695678723  
7,SITTING,0.284674637291667,-0.01461097580375,-0.122464597625,-0.972668374583333,-  
0.909454698541667,-  
0.8565329414375,0.969147824375,0.00608846646041667,0.0649636250354167,-  
0.957082433333333,-0.945436264583333,-  
0.868602535416667,0.0668519793125,0.0116863419310417,0.0162004141964583,-0.982158098125,-  
0.969458676458333,-0.972256472708333,-0.04963797197125,-  
0.03361196465625,0.0259476655145833,-0.941870953333333,-0.944124336458333,-  
0.937021208541667,-0.0938155625083333,-0.0396444885,-0.0454566269166667,-0.974369045625,-  
0.981024680625,-0.980954665416667,-0.918432107083333,-0.881957619770833,-  
0.918432107083333,-0.881957619770833,-0.976559676458333,-0.970243274166667,-0.897870535,-  
0.898063314375,-0.981665122291667,-0.976214430208333,-0.972697126875,-0.93149063375,-  
0.904675337916667,-0.972879966041667,-0.904629195833333,-0.844083052916667,-  
0.982037243958333,-0.969423612916667,-0.968503504791667,-0.984026344375,-  
0.971814980208333,-0.974699194375,-0.9436317575,-0.956678065,-0.9474199325,-0.9427264225,-  
0.93824472,-0.939826018125,-0.90895677625,-0.88691563825,-0.970954184166667,-0.9684948675,-  
0.933081955208333,-0.895804978125,-0.978634991458333,-0.97496593875  
7,STANDING,0.282723539433962,-0.0145740341037736,-0.0997778303207547,-0.979307570377359,-  
0.923400921886793,-0.917064168490566,0.958728687924528,-0.117607048924528,-  
0.0516573721320755,-0.987917503962264,-0.966162998679245,-  
0.939161014716981,0.0751915112830189,0.00694700354075472,-0.0108420294035849,-  
0.976403544716981,-0.965810609622642,-0.972060053207547,-0.0291582212545283,-



0.0774336443396227,0.0851045000566038,-0.94524768735849,-0.949646946792453,-  
0.951630777358491,-0.0901539662169811,-0.0412797611886792,-0.0545390015471698,-  
0.96598339754717,-0.97683775735849,-0.978166790943396,-0.942724659245283,-  
0.933590156792453,-0.942724659245283,-0.933590156792453,-0.973381306226415,-  
0.968566356037736,-0.943425564528302,-0.918438958867925,-0.977377083018868,-0.97210793,-  
0.976681834339623,-0.941883783773585,-0.938550519811321,-0.980541336037736,-  
0.919118753018868,-0.912358813773585,-0.976323086226415,-0.967165093018868,-  
0.968229643018868,-0.978729082830189,-0.966850290188679,-0.974533710754717,-  
0.938121637735849,-0.957548671320755,-0.957165056226415,-0.947891986226415,-  
0.945818157735849,-0.954339406415094,-0.945611450377358,-0.93728796509434,-  
0.967417888301887,-0.969092161886793,-0.93870498490566,-0.919848139056604,-  
0.973671168679245,-0.971899418301887 7,LAYING,0.250176694038462,-0.0204411516884615,-  
0.101361036576923,-0.93651361,-0.926262668653846,-0.952978365961538,-  
0.502814250576923,0.393444278076923,0.907537823461538,-0.914221270096154,-  
0.955543549230769,-0.961908984423077,0.0968904018076923,0.0250624183634615,-  
0.0131653918205769,-0.980977756153846,-0.973093160192308,-0.972983064230769,-  
0.00282641913096154,-0.133605695057692,0.155920029769231,-0.9601268225,-  
0.945071935384615,-0.955294890576923,-0.105944243484615,-0.0358897425826923,-  
0.0671901794615385,-0.9738372325,-0.976483727307692,-0.988871878269231,-  
0.936392023846154,-0.907039513153846,-0.936392023846154,-0.907039513153846,-  
0.980127239615385,-0.967310932307692,-0.915793634807692,-0.918662459038462,-  
0.983008829038462,-0.971205137884615,-0.953424245576923,-0.942193953846154,-  
0.958611644615385,-0.931120580576923,-0.922917902307692,-0.953380646346154,-  
0.980393046923077,-0.972531648846154,-0.969524977692308,-0.983560175384615,-0.975886145,-  
0.975072995192308,-0.953684547692308,-0.957570207692308,-0.956905310961538,-  
0.962348254423077,-0.939727873653846,-0.9588764125,-0.927976880634615,-0.910542462919231,-  
0.968066259230769,-0.965359228076923,-0.941130719230769,-0.918892518653846,-  
0.974117912115384,-0.969403035384615 8,WALKING,0.27468631,-0.0186628865310417,-  
0.107252090833333,-0.173605736002083,0.380782052708333,-  
0.1420885318125,0.913586347916667,-0.217102194583333,-0.186267836962021,-  
0.974752050208333,-0.956781505625,-0.956640104791667,0.070339349083333,-  
0.00603947514583333,-0.000673798876875,-0.2586886278125,0.233987544458333,-  
0.383200596479167,0.0235088228254167,-0.095791790535,0.0509657915395833,-0.1992097184375,-  
0.2119972775,-0.0754447842395833,-0.135886431360417,-0.0314880905541667,-  
0.0522683965333333,-0.2460827504375,-0.428055700208333,-  
0.388446971666667,0.0516786278104167,-0.1804072826,0.0516786278104167,-0.1804072826,-  
0.0668322430433333,-0.184571053979167,-0.00310243820125,-0.238746703958333,-  
0.339129269583333,-0.502957255416667,-0.247389011875,0.316982393333333,-  
0.238634594791667,-0.148386858858333,0.32484493125,-0.158437341970833,-  
0.311198711041667,0.0796832872416667,-0.361563262083333,-  
0.271448185291667,0.315883536479167,-0.4044825094375,-0.102063053808333,-  
0.259729692333333,-0.132902199479167,-0.234252005895833,-0.1908057215,-0.1429742348125,-

0.09521728274375,-0.360818978541667,-0.123834409766667,-0.276436130125,-  
0.301241848645833,-0.327459577895833,-0.473026230833333,-0.581240190833333  
8,WALKING\_UPSTAIRS,0.258880152048781,-0.0282415136341463,-0.11512211995122,-  
0.171712174634146,0.348768733170732,0.121187278790244,0.860368718780488,-  
0.291341491707317,-0.192306960631707,-0.926673287804878,-0.931032068536585,-  
0.876168930487805,0.0813816809395122,0.014120592097561,-0.0674583919268293,-  
0.186618895268293,-0.0123501104926829,-0.447518179097561,0.19270447595122,-  
0.204205356087805,-0.0724546025804878,-0.367428367219512,-  
0.0666980861414634,0.337526477436585,-0.155445674148781,-0.027919577097561,-  
0.0534090382439024,-0.40507069195122,-0.424675673414634,-  
0.430366658780488,0.121026629195122,-0.227200254219512,0.121026629195122,-  
0.227200254219512,-0.141494613465854,-0.228296364146341,0.166447991,-0.109327923829268,-  
0.400664014146341,-0.493975031707317,-0.166411065387805,0.263431399878049,-  
0.0729496941121951,-0.175284990170732,0.30540146,0.133766193578049,-0.200277249165854,-  
0.0257952590634146,-0.386655803658537,-0.24733661795122,-0.0700821464439024,-  
0.508248316829268,-0.240260761682927,-0.113162144460976,0.16597418695122,-  
0.409955580780488,-0.0478802512585366,0.263202878429268,-0.13026451905122,-  
0.409282851707317,-0.131850567460976,-0.379266499780488,-0.229610952609756,-  
0.183325647134146,-0.463270578048781,-0.575733290731707  
8,WALKING\_DOWNSTAIRS,0.283484089210526,-0.0211058674973684,-  
0.107598135394737,0.0241393473736842,0.343826273105263,0.1337170395,0.914023498421053,-  
0.187610243421053,-0.141817934963684,-0.945766561578947,-0.941580934473684,-  
0.897190012631579,0.118938088342105,-0.0380193846210526,-  
0.0394356157631579,0.250143724521053,0.288140718789474,-0.0135136269,-0.121189625973684,-  
0.0500760173342105,0.114143855152368,-0.258430885531579,0.0243131207736842,-  
0.129565242710526,-0.0349283489710526,-0.0534969692794737,-0.0867903297078948,-  
0.267887897328947,-0.0704526510842105,-  
0.1896044435,0.176599311818421,0.131337867236842,0.176599311818421,0.131337867236842,0.26  
2628490268421,0.2534082561,0.0993429744078947,-0.0466291872078947,-0.126189142894737,-  
0.157484866842105,0.136590199860526,0.388412779763158,0.159589756534211,-  
0.0260463260078947,0.232184078052632,0.0214914840105263,0.21484140281579,0.2206396878684  
21,0.0586096890447369,0.172658982065789,0.273943791773684,-0.0846674186842105,-  
0.130740445236842,0.116090879026316,0.0277498065176316,-0.302735102631579,-  
0.0461356322868421,-0.268253406210526,0.301626757315789,-  
0.156141093578947,0.331528459921053,0.134734731236842,-0.00036272967368421,-  
0.255590314210526,-0.125179586744737,-0.26298447 8,SITTING,0.267491472934783,-  
0.00672550621304348,-0.104461049130435,-0.979026152391304,-0.927331997021739,-  
0.939553030217391,0.832453878043478,0.240095117065217,0.263895185521739,-  
0.966757967173913,-0.937462301369565,-0.935475331521739,0.0786713761086957,-  
0.00657516306713044,-0.0106808920069565,-0.985188753695652,-0.980784606086957,-  
0.985285807173913,-0.0547396987173913,-0.0955089236521739,0.0716048809782609,-  
0.984524052826087,-0.97150069673913,-0.959623548478261,-0.0923150250434783,-

0.0402673770652174,-0.0445732240217391,-0.993264647391304,-0.98887627673913,-  
0.985241405434783,-0.952139704347826,-0.929943615630435,-0.952139704347826,-  
0.929943615630435,-0.986061512173913,-0.980667377391304,-0.93268224326087,-  
0.953001632173913,-0.991807428043478,-0.986756670869565,-0.981142909782609,-  
0.94421971826087,-0.959436275869565,-0.978256730652174,-0.923829969347826,-  
0.933889846521739,-0.984977270652174,-0.980221104565217,-0.982995311086956,-  
0.986913610652174,-0.983038783478261,-0.986185349347826,-0.982200309782609,-0.97658989,-  
0.961798676956522,-0.985339301521739,-0.968924433260869,-0.962632253913043,-  
0.947981783478261,-0.93172124,-0.980932292391304,-0.97932021173913,-0.965806789347826,-  
0.953251156521739,-0.987730604130435,-0.986147262608696 8,STANDING,0.279620986111111,-  
0.0148113067148148,-0.106114996837037,-0.988815418148148,-0.938479429074074,-  
0.926065255185185,0.957669921111111,-0.0904603488214815,-0.0979392024814815,-  
0.987690217222222,-0.958904114074074,-  
0.918293913703704,0.0753739045185185,0.00814951727462963,0.00322153267648148,-  
0.989198879814815,-0.976442140740741,-0.982610899259259,-0.0219671978203704,-  
0.0280117633814815,0.063688907,-0.972990379814815,-0.969421045555556,-0.974118322407407,-  
0.097757576,-0.0485190684259259,-0.0478483225666667,-0.981573085740741,-  
0.985508765185185,-0.989270900740741,-0.953762884074074,-0.937187185222222,-  
0.953762884074074,-0.937187185222222,-0.984920797777778,-0.979932239074074,-  
0.952848496851852,-0.95322478962963,-0.987580587777778,-0.982460332222222,-  
0.988219862222222,-0.9500491,-0.950362935555555,-0.98918374962963,-0.936231722777778,-  
0.919744963888889,-0.989029238518519,-0.976177675,-0.979477193333333,-0.990414086851852,-  
0.97858173,-0.984465744444444,-0.969677435925926,-0.972595487037037,-0.975512276666667,-  
0.974200997592593,-0.968055495925926,-0.975976456111111,-0.953746070740741,-  
0.938628186322222,-0.979745872037037,-0.979135440925926,-0.964564224074074,-  
0.954119826296296,-0.983709233333333,-0.981832336296296 8,LAYING,0.261254282907407,-  
0.0212281733881481,-0.102245365611111,-0.94304121537037,-0.93489116,-0.932491454407407,-  
0.405930036111111,0.589922434814815,0.719831539259259,-0.918873192333333,-  
0.957990036481482,-0.94183626337037,0.0878326902592593,0.0233299159137037,-  
0.0169218791344444,-0.973253042222222,-0.976520952037037,-  
0.966087574629629,0.00535361206851852,-0.0891374138592593,0.13818830737037,-  
0.965204017592593,-0.952039385740741,-0.96758975462963,-0.106445008314815,-  
0.0389735198722222,-0.0694123150925926,-0.969924077407407,-0.974186451851852,-  
0.987601203703704,-0.935308633888889,-0.91325033,-0.935308633888889,-0.91325033,-  
0.97314748962963,-0.962954517222222,-0.924253348518518,-0.932470764444444,-  
0.978438191296296,-0.969029111666667,-0.953538563888889,-0.951816663703704,-  
0.944269514074074,-0.940125298333333,-0.931236756962963,-0.931146497518519,-  
0.973110596111111,-0.975877437407407,-0.962111136666667,-0.975959911481482,-  
0.979170881666667,-0.968699222962963,-0.957903886111111,-0.957411160185185,-  
0.967461239074074,-0.967846360740741,-0.950316470925926,-0.970671966481481,-  
0.932279645518518,-0.917257979425926,-0.961792852407407,-0.963791094259259,-  
0.944528950555556,-0.93678697,-0.968403945925926,-0.971793279814815

9,WALKING,0.278502842115385,-0.0180891971284423,-0.110820512307692,-0.238353562692308,-  
0.201696960826923,-0.0579636469030769,0.951867079615385,-0.0314341738730769,-  
0.115856121080385,-0.980971973653846,-0.971242423076923,-  
0.955523995576923,0.0704357270480769,0.0212255910017308,0.00414762740192308,-  
0.206733787961538,-0.276929933846154,-0.409764526153846,-0.0808360598653846,-  
0.0625598710615385,0.111629779896154,-0.476163506730769,-0.467054167884615,-  
0.265683521346154,-0.0809204094461538,-0.0356283427038462,-0.0633406620592308,-  
0.526985309038462,-0.549200228076923,-0.457881494038462,-0.0980840496143461,-0.37942877,-  
0.0980840496143461,-0.37942877,-0.203733615519231,-0.317113487115385,-0.294542266826923,-  
0.489725811538462,-0.510253995769231,-0.599866472692308,-0.294711163653846,-  
0.257677616153846,-0.250806259788462,-0.218019977423077,-0.223972558596154,-  
0.0337965256573077,-0.314265401346154,-0.367706595,-0.399541245192308,-0.170228340134423,-  
0.228380473480769,-0.419104362884615,-0.383676120961538,-0.436905860576923,-  
0.240222512134615,-0.507404512692308,-0.490990336346154,-0.342367223269231,-  
0.318801022711539,-0.513891953269231,-0.316870715576923,-0.322337536730769,-  
0.513797480384615,-0.562714528653846,-0.602581618269231,-0.624351923653846  
9,WALKING\_UPSTAIRS,0.262436475714286,-0.0195101099975714,-0.125219003959184,-  
0.36144437755102,-0.302206203816327,-0.253434083542857,0.902647777755102,-  
0.0377947824285714,-0.266009866857143,-0.954383557142857,-0.901317321632653,-  
0.89407107877551,0.0692266245755102,0.00126612218367347,0.00766046602367347,-  
0.335291644693878,-0.586147012244898,-0.647296002040816,-0.16396719,-  
0.0412587909579592,0.14569462592449,-0.343976630734694,-0.400859067959184,-  
0.138176481058776,-0.0684689593355102,-0.0302797452408163,-0.0236327911183674,-  
0.660419534285714,-0.708604774693878,-0.65711420122449,-0.260727581428571,-  
0.400222037142857,-0.260727581428571,-0.400222037142857,-0.440667540204082,-  
0.445485397959184,-0.0833234490061225,-0.425839761428571,-0.672840561836735,-  
0.748651255510204,-0.342735952653061,-0.405022798163265,-0.384710423408163,-  
0.369815777346939,-0.297641062755102,-0.244081808302041,-0.402044750408163,-  
0.608498592040816,-0.615125710612245,-0.327421989591837,-0.590112916530612,-  
0.677831082857143,-0.313941631326531,-0.499159202857143,-0.327698671183673,-  
0.361626377102041,-0.352033091612245,-0.165554554220408,-0.372890348979592,-  
0.509929461428571,-0.419533108571429,-0.484935752040816,-0.531482693877551,-  
0.456841325204082,-0.734159449387755,-0.787781590816327  
9,WALKING\_DOWNSTAIRS,0.295923445,-0.0203994269075476,-  
0.0910278793952381,0.213392270547619,-0.208310705504762,-  
0.00771530035714286,0.938417773333333,-0.0352304645104762,-0.0822761749426191,-  
0.952141220714286,-0.936306558809524,-0.876641297380952,0.130193043809524,-  
0.0206865965952381,0.00262568854761905,0.017623342197619,-0.3094424725,-  
0.359513362761905,-0.0916383011071428,-0.0712598843142857,0.116804400690476,-  
0.396429197952381,-0.340765233142857,-0.279685150191905,-0.094591202447619,-  
0.0597608334619048,-0.0678080598785714,-0.509669314047619,-0.448602451190476,-  
0.417239550952381,0.145886357935714,0.265120131365238,0.145886357935714,0.26512013136523

8,-0.162376089276191,0.039907818552381,-0.168921400633333,-0.322331464761905,-  
0.469028434047619,-0.455855425238095,0.103128506197619,-0.183120455428571,-  
0.103705822657857,0.250488758869048,-0.273561385142857,-0.0349494927142857,-  
0.0645354342404762,-0.313643041809524,-0.293677789595238,0.00938224337142857,-  
0.355981821428571,-0.425377408333333,-0.325042890904762,-0.312512195452381,-  
0.250686586719048,-0.423558773952381,-0.364282565714286,-  
0.356561471714286,0.222203941,0.0888671674047619,0.00716877883571429,0.0705526138333333,-  
0.347540226666667,-0.424170737142857,-0.463172053809524,-0.485158906904762  
9,SITTING,0.24832674354,-0.02701677698,-0.07537846886,-0.9572277914,-0.875141405,-  
0.83200187268,0.9163245106,-0.0414258228938,0.085263099144,-0.9552804062,-0.94645197,-  
0.88585411242,0.077005006374,0.009817397262,-0.008674672651,-0.9645358564,-0.9567775448,-  
0.9618894376,-0.042328876778,-0.04142711812,0.0807919285908,-0.9590200492,-0.9191882264,-  
0.9301768338,-0.0930708106,-0.046663441472,-0.052841489994,-0.9645323452,-0.9719274472,-  
0.9687388914,-0.8933617176,-0.8637564342,-0.8933617176,-0.8637564342,-0.964383757,-  
0.9517802432,-0.9032355368,-0.9066063206,-0.9733641366,-0.9663610734,-0.959413594,-  
0.911683219,-0.8922013438,-0.956903459,-0.86761360746,-0.818001834824,-0.9655962396,-  
0.9580073906,-0.9575269752,-0.9666604036,-0.9585229866,-0.9649413418,-0.950315237,-  
0.9396930078,-0.940312313,-0.9618360162,-0.910583361,-0.9341874784,-0.8977181972,-  
0.8691725114,-0.9530504408,-0.9493949814,-0.9344377378,-0.9064712292,-0.9683155878,-  
0.9659970148 9,STANDING,0.282310057333333,-0.0200454954022222,-0.0952747481333333,-  
0.975741252444444,-0.938635759333333,-0.919295805777778,0.961323502222222,-  
0.010383816474,0.00914769235555555,-0.989103160444444,-0.972573867555555,-  
0.932245295111111,0.0760032053555556,0.0130699796066667,-0.004700785502,-  
0.969973398888889,-0.963849332888889,-0.970584264666667,-0.029183136346,-  
0.060810158296,0.0992409332222222,-0.921990612,-0.946046640444444,-0.939889737333333,-  
0.095897704,-0.0419199574333333,-0.0575743131488889,-0.949105691555556,-  
0.975036530444445,-0.969726483555556,-0.945167482444445,-0.936105010444444,-  
0.945167482444445,-0.936105010444444,-0.969524578888889,-0.963764177777778,-  
0.921030223111111,-0.908291403111111,-0.969824044222222,-0.965287050888889,-0.971662692,-  
0.944849431777778,-0.941686874222222,-0.977579248444444,-0.938790016888889,-  
0.913896832222222,-0.971313768666667,-0.962624298888889,-0.967129200444444,-  
0.971278823333333,-0.968234579555556,-0.972588748666667,-0.916974437555556,-  
0.954514301555556,-0.941510336,-0.924738576444445,-0.941950576888889,-0.944942811777778,-  
0.946330171777778,-0.940265546444444,-0.963242884,-0.963593159555556,-0.929769067777778,-  
0.910909659555556,-0.967491628,-0.964770799111111 9,LAYING,0.2591955368,-0.020526821662,-  
0.10754972144,-0.94233309,-0.9162927764,-0.9407072854,-0.5802528348,-  
0.1191541962,0.9578730416,-0.9218210626,-0.9699944882,-  
0.9712046902,0.08807344764,0.011561732718,-0.0070536778584,-0.9647404702,-0.9639966798,-  
0.958562455,-0.013632036148,-0.15890291983,0.101275010682,-0.9422465098,-0.9266185314,-  
0.9615953704,-0.10384667982,-0.027552256948,-0.0569490475,-0.945329035,-0.9621702422,-  
0.9770761602,-0.9308684376,-0.91512680016,-0.9308684376,-0.91512680016,-0.9633745492,-  
0.9550268052,-0.9071250998,-0.8985578738,-0.964524819,-0.9528015598,-0.946865494,-

0.9343665984,-0.9459190006,-0.9409810272,-0.9128367508,-0.9419711636,-0.964304065,-  
0.9640828062,-0.955909215,-0.9686013042,-0.966634136,-0.9597147176,-0.930297921,-  
0.9345796594,-0.9598150092,-0.9463891504,-0.9231319366,-0.965686312,-0.9266042952,-  
0.921929738394,-0.9543205856,-0.9550947122,-0.9186053356,-0.9034005814,-0.9558062546,-  
0.9522904702 10,WALKING,0.278574076603774,-0.017022351190566,-0.109057512132075,-  
0.178709734396226,-0.0227431651698113,-0.395645072075472,0.963092149811321,-  
0.0838277013962264,0.0549276242264151,-0.974435158113208,-0.971114719811321,-  
0.957862728301887,0.0857943809283019,0.00408248792641509,-0.0162953195396226,-  
0.0521991013207547,0.0750804952113208,-0.511662905849057,0.0106894976215094,-  
0.0819540783760943,0.0986695731160377,-0.414205475283019,-0.250853318679245,-  
0.174524868603774,-0.122709563462264,-0.0519204981037736,-0.0611262928849057,-  
0.366063723207547,-0.509683327924528,-0.329079492641509,-0.127400912069811,-  
0.185602396067925,-0.127400912069811,-0.185602396067925,-  
0.132624992298283,0.037608338009434,-0.156458730358491,-0.402025135660377,-  
0.440363636603774,-0.501027916603774,-0.114190001283019,0.0533911909886792,-  
0.41218272245283,-0.206366497226415,-0.129775706316981,-0.435304215660377,-  
0.107941107467925,0.0309052018326415,-0.464020508867925,-  
0.0791518267107547,0.0484867672264151,-0.558512650188679,-0.277913780754717,-  
0.345209034528302,-0.108530029881132,-0.458292932830189,-0.204392821584906,-  
0.273292866226415,-0.0930237422792453,-  
0.370471943962264,0.0205189516981132,0.0502087634986792,-0.412616909622642,-  
0.499759796981132,-0.515065335849057,-0.517675799056604  
10,WALKING\_UPSTAIRS,0.267121853404255,-0.0143854920340426,-0.118180420834043,-  
0.161591924234043,-0.00555287692765957,-0.0738744931340426,0.931861027446809,-  
0.0565670278723404,0.0227527702016383,-0.959216072340426,-0.937039417446809,-  
0.864745838297872,0.0648829303510638,0.0266314282191489,-0.0513375831851064,-  
0.187220175510638,-0.177803083425532,-0.607520480212766,0.0733447168425532,-  
0.0954600216446809,0.0879664182957447,-0.308534708121277,0.0411724668680851,-  
0.320509332297872,-0.157212539189362,-0.0372348522521277,-0.036502173787234,-  
0.427291343617021,-0.60462905787234,-0.482244799361702,-0.0266623294757447,-  
0.211537480214383,-0.0266623294757447,-0.211537480214383,-0.262038042446809,-  
0.226010197889362,0.0438573846851064,-0.113062673542979,-0.523462968510638,-  
0.618272355319149,-0.139410790617021,-0.0390688222212766,-0.301206408085106,-  
0.171957349438298,-0.051628469647234,-0.0342347233914894,-0.20121432216383,-  
0.206872839212766,-0.553230667234043,-0.247598320858298,-0.202796129097872,-  
0.662894135319149,-0.218524716912766,-0.235858986212766,-0.262763367170213,-  
0.34130162006383,0.171735785297872,-0.403822082765957,-0.166866721574468,-  
0.361437534680851,-0.153553147382979,-0.334365043829787,-0.265371689148936,-  
0.166969377765957,-0.600582998297872,-0.67129056212766  
10,WALKING\_DOWNSTAIRS,0.29040159431579,-0.0200050770710526,-  
0.110848597247368,0.295733547631579,0.00407915363157895,-  
0.183557562032895,0.939807421052632,-0.0646160768947368,0.0418715409263158,-

0.939267613157895,-0.937003823684211,-  
0.902085224736842,0.100959387447368,0.0107824902368421,0.000152617173684209,0.2232758061  
05263,-0.105020355562895,-0.318188417289474,-0.124839594289474,-  
0.106742538831579,0.0724433685578947,-0.304745377026316,-0.311407525263158,-0.0353021837,-  
0.0643764005526316,-0.0489378053157895,-0.0720413112078947,-0.416986139210526,-  
0.471650977631579,-  
0.227137389605263,0.250843769394737,0.156998205421053,0.250843769394737,0.15699820542105  
3,0.0507010228431579,0.110877231263158,-0.0238468037578947,-0.280382850552632,-  
0.40185431131579,-0.494105756315789,0.215665273157895,0.00904660360263158,-  
0.157728357742105,0.324957743157895,-0.0633337717526316,-  
0.268686170263158,0.181419131002632,-0.119504295573684,-  
0.240679035428947,0.156912678626316,-0.15335580256579,-0.396147929736842,-  
0.214350280079211,-0.272495710342105,0.0391366814342105,-0.339514358157895,-  
0.343237004473684,-0.1503916379,0.220115703368421,-  
0.061674284081579,0.156978047052632,0.0380266696789474,-0.312347510289474,-  
0.387780104447368,-0.484196484736842,-0.544988519210526 10,SITTING,0.270612056481482,-  
0.015042681852037,-0.104253238796296,-0.982901825925926,-0.917979529962963,-  
0.967826981666667,0.791887198148148,-0.041260775,0.20253457287037,-0.973128354074074,-  
0.935690006481481,-0.966898520555556,0.0775372505185185,0.00897875458703704,-  
0.00499566427666667,-0.988946414074074,-0.980756789814815,-0.988255803703704,-  
0.0432432176851852,-0.0679993598888889,0.0745958869444444,-0.988873097222222,-  
0.984373304814815,-0.960445962037037,-0.0931555026481482,-0.0411216540925926,-  
0.048941191502963,-0.992326657222222,-0.992584494814815,-0.990259813148148,-  
0.96075719962963,-0.939669591481481,-0.96075719962963,-0.939669591481481,-  
0.988054237592593,-0.985209856296296,-0.944202043703704,-0.963064577592593,-  
0.993707487592593,-0.991696196481481,-0.984943144259259,-0.9404502,-0.97464465462963,-  
0.982242427777778,-0.912838063018519,-0.966121042592593,-0.989365013888889,-  
0.980962856111111,-0.986056767777778,-0.989550917407407,-0.982045591111111,-0.98911086,-  
0.986477363333333,-0.986179215555556,-0.96539546962963,-0.989712360740741,-  
0.983579646666667,-0.962418559814815,-0.955281010740741,-0.941511952777778,-  
0.985900801111111,-0.983266741481481,-0.974459732592593,-0.962459956111111,-  
0.992191529259259,-0.991409100925926 10,STANDING,0.276650300681818,-0.0155418603409091,-  
0.107964083931818,-0.978403481818182,-0.919561843409091,-  
0.941271440454545,0.954008785454545,-0.0431597830454545,0.0346980210431818,-0.991259485,-  
0.975410724090909,-0.959579657727273,0.0809784390227273,0.0119007630575,-  
0.00485841031477273,-0.964311490454545,-0.941328663409091,-0.9764306,-0.0281854325604545,-  
0.0876820486363636,0.103251560681818,-0.929895057954545,-0.958861164090909,-  
0.953681099545454,-0.104753833181818,-0.0371593000727273,-0.0584162547045455,-  
0.950367548409091,-0.976445016590909,-0.969051030681818,-0.951988907954546,-  
0.937264537954545,-0.951988907954546,-0.937264537954545,-0.965163818409091,-  
0.952058214545455,-0.929787259772727,-0.920486810227273,-0.971637661590909,-  
0.964409410454545,-0.970099814318182,-0.923378745227273,-0.955272383863636,-

0.982949246136364,-0.921860476590909,-0.938098683181818,-0.963565166136364,-  
0.942187760454545,-0.972241512272727,-0.968612135909091,-0.944847393636364,-  
0.979428729090909,-0.924005912954545,-0.960323800909091,-0.950915730909091,-  
0.932273942727273,-0.958399857954545,-0.958901257272727,-0.9401101675,-0.945048242954545,-  
0.951633690454545,-0.952105964545455,-0.937786743409091,-0.922961550454545,-  
0.965614081363636,-0.965055815454545 10,LAYING,0.280230574137931,-0.024294484137931,-  
0.117168642362069,-0.968283685,-0.946454302068966,-0.95947148637931,-0.453069737586207,-  
0.139297681034483,-0.031121624137931,-0.954531941896552,-0.966701156034483,-  
0.963045642431035,0.073815064487931,0.015698997097069,0.00716689586275862,-  
0.978007466724138,-0.966930793448276,-0.976256662586207,-0.019555937162069,-  
0.0770325657265517,0.104720478344828,-0.961713199827586,-0.953660207586207,-  
0.971940597413793,-0.100308254413793,-0.0388797920413793,-0.0590744912758621,-  
0.965900578103448,-0.966621040344828,-0.983949302758621,-0.956781819655172,-  
0.940301654482759,-0.956781819655172,-0.940301654482759,-0.976234435172414,-  
0.967556980689655,-0.937590998793103,-0.927471165517241,-0.970830848965517,-  
0.959632931551724,-0.96918420862069,-0.954341849137931,-0.964300845172414,-  
0.96796803862069,-0.946229148258621,-0.959813667810345,-0.979014668793103,-  
0.968039173793103,-0.972592212931034,-0.978904364137931,-0.968120692241379,-  
0.978582339137931,-0.953793912068966,-0.954670034482759,-0.969755777241379,-  
0.96454456637931,-0.953453496551724,-0.975298797068966,-0.950848109137931,-  
0.944304974655172,-0.968561121551724,-0.965377553448276,-0.937692642586207,-  
0.933701315344828,-0.960976821551724,-0.960772875517241 11,WALKING,0.271821892881356,-  
0.0166475833623729,-0.106096304033898,-0.422842071864407,-0.0522120750440678,-  
0.530626311355932,0.946468451355932,-0.212045870169492,0.134053215101695,-  
0.98110101440678,-0.966240553559322,-  
0.960852684067797,0.0829709328491525,0.0127682476559322,-0.013364827779661,-  
0.428516343559322,-0.181419230254237,-0.720654731186441,-0.0426928995457627,-  
0.0705104974254237,0.0843744495507542,-0.596346930847458,-0.499625287288136,-  
0.434178202542373,-0.0918204195491525,-0.0514172549559322,-0.0342677451,-  
0.541616397118644,-0.737993755932203,-0.551079942542373,-0.288323472033898,-  
0.487735915084746,-0.288323472033898,-0.487735915084746,-0.402333202033898,-  
0.403141284745763,-0.421801673559322,-0.558362783220339,-0.63073270559322,-  
0.753671416101695,-0.396533731864407,-0.0830478435976271,-0.616402910169492,-  
0.433703311525424,-0.0966068285372881,-0.523093394915254,-0.453265268813559,-  
0.241801726186441,-0.69259387220339,-0.45394304,-0.170177403123729,-0.747564612033898,-  
0.514753307627119,-0.593107398474576,-0.39829333661017,-0.623150268983051,-  
0.453663184067797,-0.498554639491525,-0.458514062542373,-0.584455992033898,-  
0.395116134237288,-0.41744681559322,-0.610222628813559,-0.59974543779661,-  
0.751914457457627,-0.773574064745763 11,WALKING\_UPSTAIRS,0.263775859277778,-  
0.0303157822055556,-0.106797216481481,-0.238802959018519,-0.103167501868519,-  
0.203369399185185,0.892626155555556,-0.343576924814815,0.146633747092593,-  
0.953463105740741,-0.924360832962963,-0.906933171111111,0.0968561683092593,-



0.0132625289255556,-0.0151463896833333,-0.452961683518519,-0.428119229814815,-  
0.785359167222222,-0.0820909701727778,-0.0566928808703704,0.0638054379968518,-  
0.501331630185185,-0.28204453962963,-0.694658851666667,-0.0645245413759259,-  
0.0719834687944445,-0.046076149625,-0.660431336111111,-0.809459436666667,-  
0.777173388518519,-0.132594623759259,-0.289592148148148,-0.132594623759259,-  
0.289592148148148,-0.509587701296296,-0.490485807222222,-0.255048336944444,-  
0.377909862407407,-0.757314813888889,-0.80112703962963,-0.355348902222222,-  
0.254645206944444,-0.551742083518519,-0.198733655611111,-0.0885048145574074,-  
0.113701770190741,-0.495927371666667,-0.455317917037037,-0.765387905555556,-  
0.458255021296296,-0.437276328518519,-0.803845087037037,-0.471782782222222,-  
0.581167154444445,-0.674671878518519,-0.517811645740741,-0.153787850538889,-  
0.729928728518519,-0.336061027407407,-0.376027878888889,-0.475928501666667,-  
0.513703461481482,-0.55009966,-0.381223382777778,-0.795986113703704,-0.822428718888889  
11,WALKING\_DOWNSTAIRS,0.291605631956522,-0.0178097721219565,-  
0.111070149978261,0.142456557034783,0.0708122725543478,-  
0.324026938043478,0.941746406521739,-0.200321942608696,0.132371684891304,-  
0.954497498695652,-0.926310469565217,-  
0.925814906086956,0.0897168657173913,0.0252274201521739,-0.0225208905847826,-  
0.0834212653347826,-0.126816662141304,-0.579710482173913,-0.12506869905,-  
0.0262775345369565,0.057524457376087,-0.374069023580435,-0.495911719565217,-  
0.318959594782609,-0.0220916265065217,-0.0520272987304348,-0.0373048405934783,-  
0.53437494826087,-0.684593318695652,-  
0.480559152608696,0.126227657258696,0.0507743652521739,0.126227657258696,0.0507743652521  
739,-0.198206139934783,-0.127017223413043,-0.19788336026087,-0.339349828493478,-  
0.599294760652174,-0.677750588478261,0.0351937228130435,0.0247508134326087,-  
0.377624755652174,0.179906764395652,0.0262777181065217,-0.348626581521739,-  
0.120463004665217,-0.177479240097826,-0.530225529130435,-0.12834163051087,-  
0.130443829826087,-0.628902742826087,-0.318777012804348,-0.528254524130435,-  
0.273459111956522,-0.397722757934783,-0.481127494565217,-  
0.397220471086957,0.0902807576630435,-0.137123060369565,-0.097454996626087,-  
0.173661753717391,-0.456170108913044,-0.380559426947826,-0.668340527608696,-  
0.714229669347826 11,SITTING,0.276590197358491,-0.0149195616754717,-0.112840218339623,-  
0.982796562075472,-0.921402118113208,-  
0.968370181886792,0.871963798301887,0.213716305739623,0.188531695981132,-  
0.988069341132075,-0.949792572075472,-0.971661610754717,0.0761777324716981,-  
0.000213838552075472,0.00833400761716981,-0.980335163584906,-0.966766643396226,-  
0.983441609622641,-0.0399984915849057,-0.0755284478679245,0.0761739419056604,-  
0.988164911509434,-0.982249040188679,-0.95284431245283,-0.0948423481320755,-  
0.0392813049264151,-0.0505395462396226,-0.990501518301887,-0.988554820188679,-  
0.981016044716981,-0.961970763773585,-0.944581826415094,-0.961970763773585,-  
0.944581826415094,-0.97935563509434,-0.974511726792453,-0.951884472075472,-  
0.959964488301887,-0.989519031132076,-0.986256664716981,-0.981481454339623,-

0.934503182830189,-0.972855110377358,-0.983389810188679,-0.920047161698113,-  
0.967884390943396,-0.980831750377359,-0.967454617735849,-0.981124861320755,-  
0.981607942075472,-0.968421475660377,-0.984349606792453,-0.985106875471698,-  
0.98263664490566,-0.954453821132075,-0.98918951264151,-0.982137919056604,-  
0.956802766792453,-0.953066009056604,-0.948521986037736,-0.975315331509434,-  
0.972289134150943,-0.969799951132076,-0.960711241886792,-0.987255972641509,-  
0.985607229245283 11,STANDING,0.277715562765957,-0.0171990886595745,-0.108686630425532,-  
0.994978878723404,-0.964173331702128,-0.986382712765957,0.956464535957447,-  
0.173082704680851,0.127198423404255,-0.994529398085106,-0.981047828723404,-  
0.989433253617021,0.0760097721914894,0.0124130965551064,-0.00074591623212766,-  
0.992527404255319,-0.979428279574468,-0.990132989574468,-0.0293141521489362,-  
0.0765465041914894,0.0810588216170213,-0.980242494680851,-0.994210471914894,-  
0.980636664893617,-0.099519355893617,-0.0395992140851064,-0.0524732752340426,-  
0.986690403617021,-0.995571631276596,-0.990663218510638,-0.984853836595745,-  
0.98030536893617,-0.984853836595745,-0.98030536893617,-0.989242377234043,-  
0.988853960638298,-0.979978011489362,-0.977071437446808,-0.993428183617021,-  
0.992579166595745,-0.993808050638298,-0.968703072553191,-0.987669785531915,-  
0.995573762978723,-0.96350679,-0.985958517446809,-0.992385450851064,-0.979287024255319,-  
0.988460788085106,-0.993414564042553,-0.981185823617021,-0.990378149574468,-  
0.978301717234043,-0.994025488297872,-0.980762968085106,-0.981009115744681,-  
0.994353086595745,-0.98230878106383,-0.982255413617021,-0.981503969574468,-  
0.988636595319149,-0.98802123106383,-0.982576519787234,-0.977437710851064,-  
0.992981019787234,-0.992277468510638 11,LAYING,0.280592970877193,-0.0176598052315789,-  
0.108786578070175,-0.98477733,-0.972196873859649,-0.971311176842105,-  
0.134832031403509,0.943017941403509,0.112620189964912,-0.97956560245614,-  
0.990765579649123,-  
0.984192606315789,0.0766645337017544,0.0122193853629825,0.00277690502070175,-  
0.985259108596491,-0.972777455263158,-0.982111784210526,-0.0191743840136842,-  
0.041559989822807,0.152019015929825,-0.980836884561404,-0.982442644035088,-  
0.959897432807018,-0.102297501877193,-0.0412391429298246,-0.0666957489649123,-  
0.981724838421053,-0.990845724736842,-0.986549063333333,-0.980621180175439,-  
0.972891829473684,-0.980621180175439,-0.972891829473684,-0.983330628421053,-  
0.976504858596491,-0.952523752105263,-0.954713182807018,-0.990641248245614,-  
0.984476476666667,-0.983801365614035,-0.971403935438597,-0.973576812807018,-  
0.985322211929825,-0.973589287368421,-0.971668077017544,-0.984884874385965,-  
0.973882496666667,-0.979564844210526,-0.987122678245614,-0.973486716315789,-  
0.983302949122807,-0.97618747122807,-0.982640271929825,-0.961434420701754,-  
0.982424585438596,-0.982660631754386,-0.963183902982456,-0.973994004561403,-  
0.976037695614035,-0.976940774561404,-0.975126531403509,-0.967093356491228,-  
0.954849053508772,-0.985978837192982,-0.983569468245614 12,WALKING,0.2771286656,-  
0.015560927606,-0.10316110632,-0.128898533096,-0.122783290008,-0.4106060626,0.9668735148,-  
0.1559834498,-0.03608428788,-0.97911312,-0.9646191738,-

0.9502762272,0.045764401482,0.0197766948336,0.005025870328,-0.01350661106,-0.089404968585,-  
0.512276838,-0.1045136708758,-0.03442910782,0.0999739123004,-0.5462634706,-0.4494013978,-  
0.35017028664,-0.06223893174,-0.049852604592,-0.0467338151926,-0.3908072382,-0.581290691,-  
0.4806421996,-0.102204550448,-0.23697286882,-0.102204550448,-0.23697286882,-0.144064922688,-  
0.02028505044,-0.35593036512,-0.4132083408,-0.5174937754,-0.5488904506,-0.05435763951,-  
0.071302455092,-0.4223253002,-0.160707260634,-0.20851528006,-0.4521466944,-0.08161979534,-  
0.1413740705982,-0.4913861728,-0.03105929456,-0.094056408433,-0.5314863218,-0.4019759318,-  
0.4678863378,-0.31728248436,-0.5931428818,-0.4437983296,-0.4222565212,-0.153116002784,-  
0.4088962994,-0.029912425338,-0.013953908696,-0.442503784,-0.4948022154,-0.5611764414,-  
0.5649340126 12,WALKING\_UPSTAIRS,0.272970338653846,-0.0263574903403846,-  
0.107339730115385,-0.290149192307692,-0.103818259823077,-  
0.436697425576923,0.938371473269231,-0.259144202692308,-0.0702503820961539,-  
0.960246289807692,-0.941378352307692,-0.938071183269231,0.0728660813846154,-  
0.00689494886730769,0.00906662793461539,-0.359856972115385,-0.311328991057692,-  
0.719336352692308,-0.0931234101769231,-0.0411314519307692,0.0898022757730769,-  
0.526659296134615,-0.522949798269231,-0.349614606153846,-0.0455638872076923,-  
0.0335406569057692,-0.0653167291865385,-0.549999188461539,-0.761195612692308,-  
0.606412096538462,-0.229183927115385,-0.285844036153846,-0.229183927115385,-  
0.285844036153846,-0.432469300961539,-0.329827968269231,-0.316561585961538,-  
0.525686949063462,-0.674972132307692,-0.713406712307692,-0.321447925192308,-  
0.168341519859615,-0.560841212692308,-0.278929748076923,-0.130175559028846,-  
0.418599992115385,-0.385843754230769,-0.333077590961538,-0.687929868653846,-0.39060122,-  
0.335926381307692,-0.750114855961539,-0.426360331538462,-0.604711316153846,-  
0.406080936346154,-0.5604629635,-0.483918390576923,-0.396095719423077,-0.290005418653846,-  
0.395285130961538,-0.3208844625,-0.346565141730769,-0.594032515192308,-0.564435086711538,-  
0.714332592115385,-0.733130764423077 12,WALKING\_DOWNSTAIRS,0.281521097391304,-  
0.018084266865793,-0.10955593226087,0.0424084916086956,0.11083534373913,-  
0.425017413478261,0.949861980652174,-0.178702175434783,-0.0561050624630435,-  
0.959504017391304,-0.943298428260869,-0.935399348043478,0.0621500251717391,-  
0.0119289154608696,0.00485262425869565,0.00631914373913044,0.0629216671304348,-  
0.498655793478261,-0.112531564434783,-0.0427336692521739,0.0895434978391304,-  
0.362143061643478,-0.47628774326087,-0.337806681456522,-0.0264668968652174,-  
0.0609177195869565,-0.0653239980021739,-0.278608163891304,-0.517479109130435,-  
0.365232197456522,0.0183139429630435,0.0972608274652174,0.0183139429630435,0.09726082746  
52174,-0.107091019565217,0.0655781271934783,-0.213351510686957,-0.32045862629,-  
0.442831079130435,-0.452449935,0.0235049348717391,0.150510001156522,-  
0.402121221521739,0.0483347068913044,0.016749510173913,-0.487390126739131,-  
0.00701472271717392,0.00639406888695652,-0.451614324565217,-  
0.072311431676087,0.0515123126413044,-0.544461425869565,-0.178856167345652,-  
0.420631474130435,-0.212767364326087,-0.4223632375,-0.518923134565218,-  
0.448512990434783,0.148017269434783,-0.105124972078261,0.0769968373,0.0420631251108696,-  
0.344938419969565,-0.423553971956522,-0.458227490826087,-0.486780424347826

12,SITTING,0.275007224901961,-0.0157892988523529,-0.106307228960784,-0.982568781960784,-  
0.92858124,-0.939661889019608,0.926228975490196,0.0830509010823529,0.0885640696078431,-  
0.985203642352941,-0.963641979215686,-  
0.956208629607843,0.0771277656078431,0.0105990504054902,-0.0020457599227451,-  
0.976494200784314,-0.964047461568627,-0.97911346627451,-0.0424159182941176,-  
0.0751980398235294,0.0728462158235294,-0.974425351960784,-0.960497127647059,-  
0.951552533137255,-0.0941023489803922,-0.0387477474705882,-0.0515634091411765,-  
0.977329927254902,-0.979347830784314,-0.977138953921569,-0.952176621372549,-  
0.947517100196078,-0.952176621372549,-0.947517100196078,-0.974734489803921,-  
0.972745892745098,-0.941907240784314,-0.946769241568627,-0.980392337647059,-  
0.978260535882353,-0.97966614372549,-0.942768016862745,-0.954626628823529,-  
0.98399947745098,-0.926033975686275,-0.935916958235294,-0.977109887058823,-  
0.964236191372549,-0.975551564117647,-0.977980349019608,-0.966538919607843,-  
0.981408871764706,-0.968528985294118,-0.963725248823529,-0.955718183921569,-  
0.976339901372549,-0.959040695686275,-0.954769877647059,-0.955944253137255,-  
0.950647188823529,-0.971715268627451,-0.972951443333333,-0.958511866666667,-  
0.948460978823529,-0.97848445372549,-0.979256387058824 12,STANDING,0.277405834918033,-  
0.0169002543196721,-0.105526999754098,-0.981243992459016,-0.923140254098361,-  
0.920684800114754,0.957317821803279,-0.21886535557377,-0.0395382767304918,-  
0.985314210491803,-0.970482614590164,-  
0.939534099016393,0.0744631761967213,0.0100480041062295,-0.00788131384131148,-  
0.972440195081967,-0.953203115409836,-0.975556976885246,-0.030003042742623,-  
0.0700083750360656,0.074256819,-0.883655251803279,-0.941469207540984,-0.950364757540984,-  
0.0976380412377049,-0.0409520826508197,-0.0482863736885246,-0.955415641803279,-  
0.971195487377049,-0.973689389672131,-0.941459935081967,-0.935232945245902,-  
0.941459935081967,-0.935232945245902,-0.968790683278689,-0.962678857213115,-  
0.888101372786885,-0.852271618032787,-0.969289973606557,-0.961923171967213,-  
0.976469472295082,-0.932775677704918,-0.947178200163934,-0.983647207377049,-  
0.922852028360656,-0.914189183770492,-0.971971634098361,-0.95329178,-0.971122527868852,-  
0.975581439016393,-0.95666634442623,-0.978792832786885,-0.890292711147541,-  
0.948251856721311,-0.95260195295082,-0.884385204098361,-0.938529853770492,-  
0.95433576442623,-0.945217802786885,-0.939741929016393,-0.960859009508197,-  
0.964145595245902,-0.902356765573771,-0.850033171967213,-0.963059791967213,-  
0.962909739016393 12,LAYING,0.260113433,-0.0175203917146667,-0.108160125666667,-  
0.95531868,-0.949072009333333,-0.9483338435,-0.3785920653,0.8033788345,0.2750431984,-  
0.936458309333333,-0.974396492666667,-0.9596439555,0.0854295393833333,0.00774408308,-  
0.0043714837772,-0.969276283333333,-0.962639526833333,-0.970629308166667,-  
0.0146546807316667,-0.0835537350333333,0.14519184795,-0.966090742,-0.953873893833333,-  
0.950157442166667,-0.0990402297166667,-0.0410675310833333,-0.0678909002816667,-  
0.9671982025,-0.965900370833333,-0.969953929666667,-0.9482046755,-0.936542686833333,-  
0.9482046755,-0.936542686833333,-0.969843834166667,-0.962580915166667,-0.9308405935,-  
0.935725715833333,-0.971067768833333,-0.962012018333333,-0.956248487666667,-0.951265971,-

0.954724801666667,-0.955207641833333,-0.9506400405,-0.948380833666667,-0.968742758833333,-  
0.963223332,-0.967149695166667,-0.972820011166667,-0.964703656833333,-0.972713844666667,-  
0.9566538865,-0.95256172,-0.9456732415,-0.969254585333333,-0.955343675666667,-  
0.956424382333333,-0.9438674399,-0.942133255166667,-0.962448418666667,-0.961653004,-  
0.9454970225,-0.940373827666667,-0.963949607166667,-0.961911612333333  
13,WALKING,0.275883130350877,-0.0185660651947368,-0.111431456192982,-  
0.346980394210526,0.141866689392982,-0.220503537026316,0.910855709298246,-  
0.283658580877193,-0.131299718666667,-0.97254492245614,-0.960899845614035,-  
0.948637587719298,0.0809590227198246,0.00308364501403509,0.00597249011754386,-  
0.220910068015789,0.0565488771722807,-0.374633172105263,-0.0174207634701754,-  
0.0798472502663158,0.0784205641252632,-0.376059914210526,-0.29002355031579,-  
0.363369948070175,-0.0966598593263158,-0.0319849271912281,-0.0636693233473684,-  
0.216812065298246,-0.35776089977193,-0.341765824491228,-0.135643867842105,-  
0.292546377017544,-0.135643867842105,-0.292546377017544,-0.133205034736842,-  
0.131788528797719,-0.218669558421053,-0.253240071964912,-0.303508210175439,-  
0.322118379807018,-0.335030121052632,0.0955150666694737,-0.246851507561404,-  
0.353299848947368,0.0921968931052632,-0.269896395250877,-0.290460801694737,-  
0.0439195137368421,-0.342263716894737,-0.219716159766667,0.0946741596910526,-  
0.406173351578947,-0.192856474047368,-0.256213554508772,-0.276607954736842,-  
0.435714710526316,-0.318618506122807,-0.455333900526316,-0.23460086645614,-  
0.438388953157895,-0.15211150075614,-0.113591923723684,-0.267472373877193,-  
0.379951835438597,-0.338527133789474,-0.349285611070175  
13,WALKING\_UPSTAIRS,0.258203939581818,-0.0277392253910909,-0.125767265890909,-  
0.296284597454545,0.104470773801818,-0.217210568085455,0.847634313454545,-  
0.357404501636364,-0.207507170584727,-0.946441502363636,-0.922054968727273,-  
0.910271096181818,0.0692442067545455,-0.00128009758363636,-0.0254126299290909,-  
0.487325539818182,-0.323333932218182,-0.660921263636364,-  
0.13829376226,0.00381966911090909,0.116679563256364,-0.541066687090909,-  
0.403572169636364,-0.211805111745455,-0.0664817176345455,-0.0453051954036364,-  
0.0661653916327273,-0.631037584,-0.678805915818182,-0.550880346909091,-0.10115350174,-  
0.326339622181818,-0.10115350174,-0.326339622181818,-0.456190454,-0.451225931090909,-  
0.237182958116364,-0.415658606181818,-0.631964902181818,-0.669216383090909,-  
0.382460736363636,-0.0636564765818182,-0.404785239945455,-  
0.266081292363636,0.114656709636364,-0.184842227972182,-0.506212135636364,-  
0.368996179072727,-0.631496434363636,-0.514337759454545,-0.319400410981818,-  
0.689235778909091,-0.482113007636364,-0.492176104727273,-0.255338945927273,-  
0.562911002545455,-0.364283258727273,-0.272525011818182,-0.367522800909091,-  
0.409065516363636,-0.425100006545455,-0.491090809090909,-0.485477308909091,-  
0.470770800363636,-0.656088544363636,-0.712261499636364  
13,WALKING\_DOWNSTAIRS,0.294907553404255,-0.0143723839108511,-0.101993941531915,-  
0.0681563626617021,-0.03212524665,-0.158333146191489,0.941875619787234,-  
0.211555112553191,-0.0950820341687234,-0.952643084042553,-0.92854437106383,-

0.893962984042553,0.101704538333298,-0.00751868156382979,-0.0252977670276596,-  
0.0740908045319149,-0.149027773519149,-0.31704660987234,-0.122672201757447,-  
0.0237205719148936,0.111284239655957,-0.417014161553191,-0.198848161170213,-  
0.322774082765957,-0.0647199842553192,-0.0669414080765958,-0.0512020476,-  
0.463736674255319,-0.259163248340426,-0.367089485595745,-0.0294634299553192,-  
0.0156098198829787,-0.0294634299553192,-0.0156098198829787,-0.127926051502128,-  
0.0433959844,-0.102114480531915,-0.236762631468085,-0.323552439276596,-0.27649151037234,-  
0.0726602663212766,-0.0364535247659574,-0.151178724793617,-0.0680436217021277,-  
0.0924444167085106,-0.233315176510213,-0.11485155627234,-0.207812348246809,-  
0.276138039897872,-0.114744976032192,-0.141775116319149,-0.356579475531915,-  
0.319677124659574,-0.13382886725532,-0.212906662531915,-0.452190386808511,-  
0.24966032923617,-0.427008254255319,0.0528791880659575,-0.210912766382979,-  
0.0282156656914894,-0.0709893839055319,-0.206121707212766,-0.400560061212766,-  
0.266399903210638,-0.343094861202128 13,SITTING,0.274328499591837,-0.00587732936326531,-  
0.0972465110836735,-0.989546275306122,-0.938967741632653,-  
0.938641215510204,0.925576512448979,0.101769752489796,0.0757773858163265,-  
0.981379112653061,-0.951353064693878,-0.930979556938776,0.0752865881142857,-  
0.00112344092891837,-0.0232397245106122,-0.992827264081633,-0.984267557755102,-  
0.987612090204082,-0.0355124856836735,-0.0902687401836735,0.0823432026610204,-  
0.985844263265306,-0.979668456122449,-0.966896414285714,-0.095919848877551,-  
0.041036688077551,-0.0466121595938776,-0.991371016938776,-0.991773350204082,-  
0.989861382040816,-0.957690563673469,-0.937935738571429,-0.957690563673469,-  
0.937935738571429,-0.989497838979592,-0.988813098163265,-0.951142644081633,-  
0.963940591428571,-0.992604304489796,-0.991414934897959,-0.990135477755102,-  
0.959673916122449,-0.956183063510204,-0.989410582653061,-0.933666502510204,-  
0.934189007346939,-0.992678212653061,-0.983914101836735,-0.985261204693878,-0.99368217,-  
0.985908120408163,-0.988612100204082,-0.983218202857143,-0.982456053877551,-  
0.968384415510204,-0.986714694081633,-0.97827070877551,-0.969451754693878,-  
0.956901559653061,-0.938529931020408,-0.988348535306122,-0.988332303469388,-  
0.973258277755102,-0.96426809755102,-0.991723741632653,-0.991219445918367  
13,STANDING,0.277758431052632,-0.0167891993964912,-0.112124137754386,-0.991020759298246,-  
0.949422439473684,-0.967538031754386,0.942695296842105,-0.239943146315789,-  
0.0524856614035088,-0.992232401754386,-0.974681225789474,-  
0.976827157368421,0.0758630962280702,0.00762035230350877,-0.00070497934054386,-  
0.987636104210526,-0.977704172105263,-0.986926242631579,-0.0295492164431579,-  
0.0753205243684211,0.085471246877193,-0.955577395789474,-0.971721755964912,-  
0.973436596140351,-0.0981199986666667,-0.0412872577807018,-0.053926078122807,-  
0.978465124561404,-0.980982661403509,-0.985177042982456,-0.971564243157895,-  
0.968519673859649,-0.971564243157895,-0.968519673859649,-0.98680002754386,-  
0.981865616666667,-0.95782537245614,-0.944980198421053,-0.983637634912281,-  
0.976197659649123,-0.989425965614035,-0.959427618245614,-0.97756730122807,-  
0.991817705263158,-0.947179813157895,-0.964048080877193,-0.988198276666667,-

0.977752775438596,-0.98460855877193,-0.988185112807018,-0.979412252631579,-  
0.987871530526316,-0.957154108421053,-0.97291308,-0.974394378070176,-0.955818411578947,-  
0.97142515122807,-0.97553326754386,-0.972393559473684,-0.970445378947368,-  
0.981977536491228,-0.980621262631579,-0.957488799473684,-0.946857485438596,-  
0.977197403859649,-0.976467330175439 13,LAYING,0.276716360483871,-0.020440454366129,-  
0.104331864532258,-0.968891989354839,-0.950947949516129,-0.950392995483871,-  
0.156852206467742,0.656400944354839,0.598884988709678,-0.957875244677419,-  
0.975948136290323,-0.959892863709677,0.0767774832096774,0.0183441894580645,-  
0.00988389709596774,-0.98541995,-0.980152342903226,-0.983070657419355,-  
0.00973609968045161,-0.0966250701451613,0.117819614790323,-0.972143470322581,-0.96270462,-  
0.967350513709677,-0.101835573822581,-0.0417744000370968,-0.0648770419677419,-  
0.981404742903226,-0.978854747419355,-0.989801549193548,-0.960517768225806,-  
0.947944746612903,-0.960517768225806,-0.947944746612903,-0.985467853870968,-  
0.980066243387097,-0.944303111935484,-0.944687480967742,-0.98544626483871,-  
0.975113305645161,-0.974716920483871,-0.965843757258065,-0.966295582741935,-  
0.966960088387097,-0.947462328225807,-0.945852135806452,-0.985199684354839,-  
0.980375137419355,-0.980994601935484,-0.98707817516129,-0.981394261612903,-  
0.983670049354839,-0.96946349,-0.968689729193548,-0.969126880322581,-0.973446792419355,-  
0.959944126451613,-0.969797214516129,-0.959535493548387,-0.949431319193548,-  
0.980754385967742,-0.978044349516129,-0.957681621290322,-0.946133432096774,-  
0.978150814032258,-0.972798632258064 14,WALKING,0.271959598644068,-0.0217785380966102,-  
0.106756369135593,-0.402639098135593,-  
0.0536126686650847,0.0518841040022034,0.802973961525424,-0.270314822881356,-  
0.422495268474576,-0.974816884237288,-0.954455935762712,-  
0.947516969830508,0.0720877913452542,0.024116023559322,0.0199723036949153,-  
0.454497019661017,-0.344339569152542,-0.472791088644068,-0.00347655062271186,-  
0.0829682847966102,0.0513222717627119,-0.60038822220339,-0.0148392604279661,-  
0.12609080020339,-0.110656054802153,-0.0438969529084746,-0.0388825919508475,-  
0.571759911525424,-0.536737701694915,-0.497187687966102,-0.144404671779661,-  
0.36380562779661,-0.144404671779661,-0.36380562779661,-0.377293155084746,-  
0.439746918474576,-0.137208741864407,-0.201401930542373,-0.519895046779661,-  
0.606103313898305,-0.421498172542373,-0.174601844847458,-0.177366434042373,-  
0.395859985762712,-0.0542709972186441,0.0854892136933898,-0.472360616779661,-  
0.376766600508475,-0.415899179152542,-0.484797709830508,-0.353526894237288,-  
0.528889535084746,-0.508595851864407,-0.215894949525424,-0.212925759152542,-  
0.630082075932203,0.0832950551222034,-0.180232949016949,-0.373516771016949,-  
0.457490009491525,-0.431591453389831,-0.453426008983051,-0.311386449661017,-  
0.265504551525424,-0.591036936101695,-0.65567766220339  
14,WALKING\_UPSTAIRS,0.26242106612963,-0.0204388180024074,-0.112279688983333,-  
0.309396717592593,0.307195533,0.609017879074074,0.688256122222222,-0.322680364814815,-  
0.49508872037037,-0.928523640925926,-0.907231431296296,-  
0.875450819074074,0.0803303022222222,-0.0183131159944444,0.00344199486481481,-

0.368780418888889,-0.336427181240741,-0.327868814314815,0.0813841685037037,-  
0.123499570044444,-0.0441381886666667,-  
0.454283337592593,0.476518714444444,0.564875818162963,-0.128266667862963,-  
0.0207749732407407,-0.0137237620296296,-0.646611034444445,-0.371479721296296,-  
0.359816626703704,0.140108204051852,-0.0197686685018519,0.140108204051852,-  
0.0197686685018519,-0.28366383592037,-  
0.337086266574074,0.365779419444444,0.299975979851852,-0.399921949557407,-  
0.485819293703704,-0.323508442240741,0.0163939234574074,0.191693742633333,-  
0.304980247962963,0.356072772037037,0.687124163703704,-0.383497147037037,-  
0.347606639592593,-0.264008468333333,-0.41096787037037,-0.371572473072222,-  
0.391077873148148,-0.441048358648148,0.118687692187963,0.196703218737037,-  
0.464742933888889,0.646233637037037,0.522454216314815,-0.0759851813333333,-  
0.143253889222222,-0.288744334092593,-  
0.409847649281481,0.0488588668185185,0.236659662496296,-0.457250612407407,-  
0.564964076388889 14,WALKING\_DOWNSTAIRS,0.293422115555556,-0.0200141413657778,-  
0.0928330165533333,0.0178313402266667,0.378870491755556,0.451576075111111,0.81629643,-  
0.264254674666667,-0.392555882222222,-0.919098794,-0.920725940666667,-  
0.879565316666667,0.0428631626711111,0.0291339421022222,0.0104952601188889,0.01295975492  
31111,0.192791766468889,-0.133634060621778,-0.0147079653333333,-  
0.0945288409066667,0.0353344537555556,-  
0.354551638377778,0.0569902222622222,0.356198597177778,-0.108620377713333,-  
0.0740589810844445,-0.0615978795422222,-0.537002097555556,-  
0.284318020488889,0.0913857550044444,0.185537706866667,0.428405922622222,0.1855377068666  
67,0.428405922622222,0.0353601375466667,0.194708838913556,0.166340011842444,-  
0.0665144570666667,-0.275120883488889,-  
0.274744003577778,0.0212541553977778,0.3714824704,0.280735952206667,0.0140826092322222,0.  
29363389996,0.427563832371111,-0.0337820458644444,0.164775056133333,-0.0248789805888889,-  
0.0302396365755556,0.138737970022222,-0.244857128202222,-  
0.295315541666667,0.0132082347333333,0.492414379822222,-  
0.378882872733333,0.0741391154937778,0.182794696328889,0.471905155133333,0.1786845808688  
89,0.186223478065556,0.194263424111111,-0.078756840677778,-0.223927430580444,-  
0.254747132274667,-0.356849425488889 14,SITTING,0.279990577037037,-0.00870565463888889,-  
0.100401490425926,-0.976302248148148,-0.914935703907407,-  
0.922774835740741,0.939038759814815,-0.036453396227778,-0.0945970534814815,-  
0.976280399444444,-0.95032266362963,-0.938415738148148,0.0741878844074074,-  
0.00436185985848148,-0.0105744513096296,-0.980890655185185,-0.967828356296296,-  
0.976133383518519,-0.0440403326851852,-0.0713478280925926,0.0928523607037037,-  
0.980829981481481,-0.962048191666667,-0.952904383518518,-0.0921614578888889,-  
0.0434577295055556,-0.0520121608148148,-0.990284240185185,-0.986911323888889,-  
0.982819138888889,-0.944197943703704,-0.92549582962963,-0.944197943703704,-  
0.92549582962963,-0.976521006111111,-0.973343388888889,-0.942756369259259,-  
0.947081158333333,-0.988317606666667,-0.986963989814815,-0.976456609259259,-



0.932644766111111,-0.944126078888889,-0.976303056851852,-0.911591208203704,-  
0.917678155296296,-0.981566649444444,-0.968951769814815,-0.97275196962963,-  
0.981920831111111,-0.968943674259259,-0.978180020925926,-0.978577117592593,-  
0.969806729814815,-0.957020858888889,-0.981573087222222,-0.958227403148148,-  
0.956028807962963,-0.940589853333333,-0.929193937222222,-0.972985342962963,-  
0.972959409444444,-0.963320540555556,-0.946517963703704,-0.987324239259259,-  
0.987065177777778 14,STANDING,0.280545613833333,-0.01520781344,-0.103817701790667,-  
0.973268905,-0.928525725333333,-0.9222763115,0.875319569,-0.226692231166667,-  
0.338174888666667,-0.972005366333333,-0.965781048333333,-  
0.940757718,0.0737933748485,0.00579566182983333,-0.00720777760485,-0.978248526,-  
0.966362425833333,-0.970766734,-0.0220886526891667,-0.05581088271,0.07904758875,-  
0.9610917615,-0.9462806205,-0.946589134666667,-0.100718458866667,-0.04500967927,-  
0.0509036177765,-0.969948875166667,-0.9706929555,-0.974687865833333,-0.943456847333333,-  
0.936735577166667,-0.943456847333333,-0.936735577166667,-0.972965788166667,-  
0.970437182833333,-0.943530016833333,-0.931426203833333,-0.974873328,-0.966834217,-  
0.9726995625,-0.942178248333333,-0.9424220265,-0.973605553666667,-0.926055903,-  
0.917781858666667,-0.97818164,-0.967249904833333,-0.966718434333333,-0.980396601666667,-  
0.967830182166667,-0.973594305166667,-0.957111767,-0.9508361945,-0.950999877833333,-  
0.962741032833333,-0.944306864,-0.950162705166667,-0.949715059833333,-0.939799869833333,-  
0.970214125833333,-0.969677515666667,-0.944405563833333,-0.934815560833333,-  
0.969175636833333,-0.966019259166667 14,LAYING,0.233275439803922,-0.0113424652490196,-  
0.0868333315509804,-0.917501887333333,-0.909697040980392,-0.900331921686275,-  
0.145483631627451,0.48539692745098,0.83656291,-0.862136937254902,-0.94877486372549,-  
0.90130385627451,0.098140384845098,-0.00831507059607843,-0.0323601505045098,-  
0.971473557058824,-0.96812761745098,-0.972431855490196,0.00505221181607843,-  
0.153423807745098,0.149124058235294,-0.957221015098039,-0.932499780588235,-  
0.952296965294118,-0.105446637019608,-0.0372677398193922,-0.0566171868039216,-  
0.970274962745098,-0.968042893529412,-0.979711372941176,-0.905978250196078,-  
0.856593119215686,-0.905978250196078,-0.856593119215686,-0.972576392941176,-  
0.966450909019608,-0.904665418431373,-0.913433185882353,-0.975621183137255,-  
0.964009921960784,-0.933936178235294,-0.930366906078431,-0.927882307058823,-  
0.911972655156863,-0.905221049156863,-0.894055710980392,-0.972010709215686,-  
0.969342124313726,-0.968593195686275,-0.973491388039216,-0.969113291372549,-0.97491443,-  
0.949959040588235,-0.938087898235294,-0.949107162941177,-0.959740488627451,-  
0.929955407058823,-0.957790479803922,-0.899463668843137,-0.859606047058824,-  
0.96798859627451,-0.963607433921569,-0.930151731176471,-0.917760104901961,-  
0.966455343137255,-0.963666018039216 15,WALKING,0.273899207962963,-0.0170809740090741,-  
0.107621819518519,-0.327961801111111,0.138912923691296,-  
0.518932634814815,0.951524391481481,-0.233918282592593,0.0757356734814815,-  
0.978397287962963,-0.971056501481482,-  
0.95805876537037,0.0897770721666667,0.00890588563518519,0.000658706162574074,-  
0.373217585,-0.0319265467387037,-0.686268420555556,-0.0554883847662963,-

0.06124278833,0.0842484921022222,-0.329624620185185,-0.420865007777778,-0.48653265537037,-  
0.0776692754648148,-0.0552536572125926,-0.0510976492333333,-0.283767987222222,-  
0.702402935925926,-0.591668608148148,-0.186514650759259,-0.323878324074074,-  
0.186514650759259,-0.323878324074074,-0.320129322962963,-0.310071425166667,-  
0.243711124444444,-0.425798469148148,-0.543979500555556,-0.63778595537037,-  
0.31744092037037,0.111321097159074,-0.554942138148148,-  
0.332520626851852,0.0805646237194445,-0.537026414814815,-0.39082198537037,-  
0.0669378062222222,-0.648905254074074,-0.411500068148148,-0.0606839140548148,-  
0.723051140740741,-0.253399360296296,-0.535422096111111,-0.461464065555556,-  
0.357633378703704,-0.365361208555556,-0.543997593703704,-0.275156242062037,-  
0.458344792407407,-0.289753952407407,-0.342411927851852,-0.489166383703704,-  
0.481750218518519,-0.645075178148148,-0.654010147222222  
15,WALKING\_UPSTAIRS,0.270187595833333,-0.0287523860708333,-0.116952464895833,-  
0.0260971840270833,-0.00406536043541667,-0.379717488104167,0.918544812291667,-  
0.3149610125,0.0811803405,-0.952562395625,-0.927648821458333,-  
0.92161847875,0.07297243298125,-0.00417361847916667,-0.00525879898958333,-  
0.186944664541667,-0.311861356875,-0.748809454166667,0.0903340029875,-  
0.154721289270833,0.0911681484547917,-0.415251317916667,-0.3302332351,-0.477365945208333,-  
0.144485986527083,-0.0365419164020833,-0.0767242496041667,-0.525533949791667,-  
0.763053512083333,-0.657907649166667,-0.000971394711666667,-0.136552217494583,-  
0.000971394711666667,-0.136552217494583,-0.316050382083333,-0.313363553125,-0.201217274,-  
0.288429008639583,-0.663637117708333,-0.748954848541667,-0.0746328434375,-0.1019354328,-  
0.5395910825,-0.00838243761666667,-0.0191328333041667,-0.349600353270833,-  
0.2370530733125,-0.338102216666667,-0.714554172708333,-0.207231605488542,-  
0.330391429583333,-0.783004506458333,-0.361096856875,-0.517025245833333,-  
0.485701745833333,-0.4372253275,-0.243612269004167,-0.523744300833333,-0.165242147958333,-  
0.255659340833333,-0.261956679958333,-0.391313399375,-0.45369356625,-0.308585869854167,-  
0.731422357916667,-0.793104483333333 15,WALKING\_DOWNSTAIRS,0.280198851190476,-  
0.00563047804309524,-0.110526066428571,0.406471051190476,0.186532377428571,-  
0.281982181666667,0.93230220047619,-0.167462317142857,0.0788822410992857,-  
0.942806478333333,-0.925685893571429,-0.93400831,0.0711457160166667,0.01511589985,-  
0.0100212901547619,0.134593836190476,0.0158059210738095,-0.404005582309524,-  
0.136618653071429,-0.0346755727619048,0.0711758197607143,-0.318692525928571,-0.37320816,-  
0.250648085714286,-0.0482532079928572,-0.0495415503071429,-0.0339213064857143,-  
0.455980756428571,-0.574964116428571,-  
0.394542240714286,0.320449387166667,0.353204008095238,0.320449387166667,0.35320400809523  
8,-0.0372666071540476,0.159631710516667,-0.121686320740476,-0.284249712071429,-  
0.509466648095238,-0.563640131190476,0.235309825547619,0.167518099964286,-  
0.259812204547619,0.466325681428572,0.1199936036,-0.357407559285714,0.0619687485333333,-  
0.0269769415214286,-0.345376541261905,0.108062740547619,-0.00722860241119048,-  
0.461599141904762,-0.22735956545,-0.402332301666667,-0.18319480152381,-0.351630000285714,-  
0.360972848571429,-

0.3436733,0.331150229285714,0.153124178119048,0.158413334683333,0.1505077506,-  
0.373898631190476,-0.34938720602381,-0.565396130714286,-0.593472444285714  
15,SITTING,0.27290337979661,-0.0117188472271186,-0.11366125320339,-0.987084356101695,-  
0.922407162881356,-  
0.949338025084746,0.89036426220339,0.210849305016949,0.00281565980440678,-  
0.982620883728814,-0.943561411694915,-0.952973658983051,0.0784792788644068,-  
0.00898437589491525,-0.00237207545345763,-0.988162333898305,-0.978126998813559,-  
0.987011024745763,-0.0377111130338983,-0.0803428762830509,0.0951978083898305,-  
0.988204115254237,-0.975321519491525,-0.963765802881356,-0.0953649067966102,-  
0.0396068774557627,-0.0524148341983051,-0.992889042711864,-0.990313307966102,-  
0.987937202542373,-0.958669836271186,-0.93797790559322,-0.958669836271186,-  
0.93797790559322,-0.986107839152542,-0.984639018474576,-0.957331628305085,-  
0.963475074915254,-0.992188893898305,-0.989720049491525,-0.986619609491525,-  
0.938926430779661,-0.963227004915254,-0.987384778983051,-0.919162700338983,-  
0.945704713050847,-0.988106102033898,-0.978159013220339,-0.984908418474576,-  
0.989314359661017,-0.979713045932203,-0.987694113559322,-0.986152580338983,-  
0.979201724745763,-0.966731518305085,-0.988881930508475,-0.973456092372881,-  
0.966228648305085,-0.949752001322034,-0.941195938135593,-0.984689437118644,-  
0.983276251694915,-0.973762179830509,-0.963378228474576,-0.990180959322034,-  
0.989503941694915 15,STANDING,0.278915803962264,-0.0183516360396226,-0.105910832679245,-  
0.988949247358491,-0.931900148301887,-0.951670257924528,0.965528899622642,-  
0.164713175490566,0.0645975994528302,-0.988432084716981,-0.965687978301887,-  
0.958810153207547,0.0752280703207547,0.00617255520183019,-0.00658737093471698,-  
0.985459068490566,-0.967720399622641,-0.985301940754717,-0.0262433562254717,-  
0.0659637517169811,0.0761946738773585,-0.947790802075472,-0.971332584339623,-  
0.968167046415094,-0.101358786226415,-0.0438507492018868,-0.052278397190566,-  
0.971514312075472,-0.988107413962264,-0.981293117924528,-0.961207616226415,-  
0.948600432641509,-0.961207616226415,-0.948600432641509,-0.981495125660377,-  
0.979994800566038,-0.946961381132076,-0.931286778679245,-0.984407077924528,-  
0.98143282754717,-0.986724998867924,-0.943348788679245,-0.965473514528302,-  
0.99006096264151,-0.930286443396226,-0.947905911320755,-0.985353492641509,-  
0.967884709433962,-0.982632302830189,-0.986934133584906,-0.969934103584906,-  
0.986654459433962,-0.950380286226415,-0.975133868867925,-0.96826485509434,-  
0.948275234150943,-0.969442882075472,-0.971282183584906,-0.960337344339623,-  
0.950204045849057,-0.979078785660377,-0.980184086603774,-0.956733900188679,-  
0.928838303773585,-0.983188091886792,-0.980329709433962 15,LAYING,0.2894756525,-  
0.0166296542054167,-0.118530240291667,-0.972255551527778,-0.962759422361111,-  
0.929586835277778,-0.1719930545,0.899242553055556,-0.0369192905555556,-0.961509742916667,-  
0.986036192361111,-0.950710357083333,0.0767515438611111,0.0123984271386111,-  
0.00443927981861111,-0.981739386805556,-0.970921587777778,-0.978402956527778,-  
0.0168300887791667,-0.0619700871944445,0.113451899791667,-0.957167680694445,-  
0.961142911805556,-0.956537051666667,-0.102266714236111,-0.0415878968152778,-

0.0624334556236111,-0.97392395125,-0.980482834444444,-0.980112732777778,-  
0.955340661527778,-0.943314107916667,-0.955340661527778,-0.943314107916667,-  
0.979890228194444,-0.973644462777778,-0.944605127222222,-0.924043007638889,-  
0.983235025416667,-0.973650041666667,-0.974016176527778,-0.962461124305556,-  
0.95156594625,-0.971718824583333,-0.964590430138889,-0.923923991944444,-  
0.981329999027778,-0.970833221666667,-0.97477568375,-0.983949290694444,-  
0.973215319722222,-0.980745097361111,-0.955413596111111,-0.964310893611111,-  
0.958190099861111,-0.958224495416667,-0.959991907083333,-0.960015831111111,-  
0.956001034027778,-0.94550856,-0.973681222777778,-0.972530077916667,-0.946812642361111,-  
0.923682244861111,-0.975727853888889,-0.972645710694444 16,WALKING,0.276023564509804,-  
0.0204286929452941,-0.108804049803922,-0.404692523921569,-0.314569762352941,-  
0.159799790235294,0.925981326078431,-0.0668246472745098,-0.217351194313726,-  
0.982469595490196,-0.973784841960784,-  
0.961387254313725,0.0770223771764706,0.00968444678235294,0.00360803282352941,-  
0.396223738431373,-0.425563858627451,-0.44025821745098,-0.0151721912792157,-  
0.0695955689607843,0.0818650735686274,-0.654171847058824,-0.612593634117647,-  
0.365489530588235,-0.110917348282353,-0.0433876843176471,-0.0532986670705882,-  
0.675889722745098,-0.712237752941177,-0.571264779411765,-0.258766694117647,-  
0.47180926745098,-0.258766694117647,-0.47180926745098,-0.363144483529412,-  
0.403386563921569,-0.485931932745098,-0.665078404313725,-0.671541834117647,-  
0.722808438431373,-0.394790433529412,-0.321500667843137,-0.244363048235294,-  
0.409070488039216,-0.354370678627451,-0.180501317941176,-0.44140618254902,-  
0.454270822156863,-0.422332394117647,-0.402884115098039,-0.433612657843137,-  
0.45663628254902,-0.59574648627451,-0.619731930392157,-0.432885310980392,-  
0.673741136862745,-0.61194087745098,-0.403219791372549,-0.410463241960784,-  
0.592150985098039,-0.378278490588235,-0.441447754509804,-0.669228540784314,-  
0.721137001568628,-0.72068229,-0.745726853921569 16,WALKING\_UPSTAIRS,0.255986102627451,-  
0.0143654945011765,-0.124074517745098,-0.397083831568628,-0.163732745078431,-  
0.129283825721569,0.826874282745098,-0.0805926025490196,-0.379059698039216,-  
0.948413552745098,-0.933657461176471,-  
0.907649558823529,0.0762526677,0.0173729333352941,0.0380533591627451,-0.521089140196079,-  
0.425625937254902,-0.593411129607843,0.0718408878078431,-0.0486136789705882,-  
0.00779288021764706,-0.508087166666667,-0.58638289372549,-0.365025170078431,-  
0.140908293613922,-0.0296211298558824,-0.035416300054902,-0.707264168627451,-  
0.77471906627451,-0.717101021960784,-0.233990331568627,-0.334795080196078,-  
0.233990331568627,-0.334795080196078,-0.48321905,-0.493067129607843,-0.308260568039216,-  
0.518189646470588,-0.737705162156863,-0.797293228431373,-0.474984014705882,-  
0.268063812745098,-0.335853041176471,-0.369636140980392,-0.166324239117647,-  
0.094561233145098,-0.546088862941176,-0.468605205294118,-0.565220840588235,-  
0.538073090196078,-0.417127012352941,-0.620123586470588,-0.53239971627451,-  
0.642018064117647,-0.492427493529412,-0.509896031372549,-0.559600598431373,-  
0.387309489901961,-0.370649738235294,-0.418924256078431,-0.475597717843137,-0.51993124,-

0.630546675490196,-0.532486721568627,-0.787833632352941,-0.825314327058824  
16,WALKING\_DOWNSTAIRS,0.295586802191489,-0.0183898583787234,-  
0.119873705148936,0.207251997929787,-  
0.146993837655319,0.0114353944787234,0.917818427021277,-0.0584832676382979,-  
0.225382496382979,-0.957785118085106,-0.955487793617021,-  
0.910588943191489,0.0907857064255319,-0.0148114530276596,-0.029312256293617,-  
0.101186926595745,-0.261684752425532,-0.303381582831915,-0.0225373369978723,-  
0.068264792706383,0.0835380057,-0.45418847106383,-0.528329304680851,-0.444636334893617,-  
0.103904044543617,-0.0567686629753192,-0.0612136932929787,-0.623676024255319,-  
0.583421784680851,-  
0.540633469361702,0.191079793587447,0.119183740638298,0.191079793587447,0.11918374063829  
8,-0.165908810808511,-0.0783498875595745,-0.309820427234043,-0.422315316808511,-  
0.590896636382979,-0.595822214468085,0.0368263528276596,-0.134598352726809,-  
0.04769426376,0.266115492098298,-0.208680587882979,-0.0379716239787234,-  
0.155444882765957,-0.289957855489362,-0.241974080021277,-0.125682818093191,-  
0.281507406948936,-0.36402669587234,-0.420844008625532,-0.479512983617021,-  
0.375000625531915,-0.470373498510638,-0.565214032765958,-  
0.521100818723404,0.114032088546809,-0.0534137179170213,-0.0745659082223404,-  
0.0919623368021277,-0.488253939574468,-0.479939845914894,-0.58966315,-0.633479804680851  
16,SITTING,0.280768574492754,-0.0102497939956522,-0.0891404038405797,-0.986825605362319,-  
0.951607872463768,-0.939672247101449,0.942457377971014,-  
0.086588253942029,0.0892682200463768,-0.980158243333333,-0.968023206956522,-  
0.945813561478261,0.0734346720289855,0.00985642890855073,-0.0115030575052174,-  
0.990861134782609,-0.981800970724638,-0.983487212898551,-0.0412014042275362,-  
0.0574525433043478,0.0795736310463768,-0.981037373333333,-0.958336595507246,-  
0.960287831304348,-0.0957204520289855,-0.0450369280637681,-0.0588371273536232,-  
0.98958327942029,-0.990621793333333,-0.988364321449275,-0.961879680724638,-  
0.941051236086956,-0.961879680724638,-0.941051236086956,-0.987472699130435,-  
0.983615334057971,-0.946417382463768,-0.937942404637681,-0.992444606231884,-  
0.988261252608696,-0.987043828985507,-0.961456685507246,-0.959552230434783,-  
0.986892418405797,-0.949829260434783,-0.934652146521739,-0.990964251304348,-  
0.981752167391304,-0.981178036811594,-0.991567867681159,-0.983230774492754,-  
0.984362469130435,-0.978632856956522,-0.96679600173913,-0.960058264057971,-  
0.982057861449275,-0.954343752463768,-0.964270052318841,-0.958335480724638,-  
0.942588250115942,-0.983968635942029,-0.982190554782609,-0.954060994347826,-  
0.938863215072464,-0.989363136376812,-0.987506348985507 16,STANDING,0.283497402948718,-  
0.0165999672935897,-0.103657729076923,-0.989076811794872,-0.960298267692308,-  
0.953468961666667,0.941587749358974,-0.0578867045,-0.166737468166667,-0.985359689871795,-  
0.980552435769231,-0.959562830769231,0.0736438905641026,0.0120767950358846,-  
0.00476310557910256,-0.991026497435897,-0.98262195474359,-0.988073825641026,-  
0.0299337294166667,-0.068667733,0.0867342708846154,-0.973400107564103,-0.980110277307692,-  
0.982357006410256,-0.100107332602564,-0.0424982241410256,-0.0544335294410256,-

0.987102322692308,-0.992589441153846,-0.992698522948718,-0.969948825128205,-  
0.957294494487179,-0.969948825128205,-0.957294494487179,-0.989205231794872,-  
0.986761550641026,-0.972528178205128,-0.964105768461538,-0.992848576025641,-  
0.990809427435897,-0.989427670897436,-0.96931401525641,-0.969999504230769,-  
0.989100620641026,-0.958174310128205,-0.948540267051282,-0.991038638974359,-  
0.982425403974359,-0.986091891538462,-0.991847149615385,-0.984236462179487,-  
0.98865796025641,-0.973157351666667,-0.983594244615385,-0.98363927,-0.973926885,-  
0.978402418717949,-0.983527402051282,-0.971082558076923,-0.957173571923077,-  
0.986502687948718,-0.985912716923077,-0.975448632179487,-0.963574736025641,-0.99117243,-  
0.990672800769231 16,LAYING,0.274227162571429,-0.0166103510562857,-0.107310493242857,-  
0.973691429428571,-0.943061150285714,-0.965490276285714,-0.206783742242857,-  
0.0199270225714286,0.893884468571429,-0.963761977857143,-0.966087103857143,-  
0.967886002,0.0783960268571429,0.0132805054325714,-0.00154105089764286,-  
0.988416723857143,-0.984867286857143,-0.987644127,-0.0161545406857143,-  
0.113675060885714,0.0966210349428571,-0.977010769857143,-0.970747514,-0.984781484857143,-  
0.1022095722,-0.0347735325871429,-0.0576790435142857,-0.985835459428571,-0.989046576,-  
0.994465157714286,-0.961834634857143,-0.957895927714286,-0.961834634857143,-  
0.957895927714286,-0.988349656571429,-0.987891003571429,-0.951777099571428,-  
0.959020036285714,-0.990839526285714,-0.988212425428572,-0.980213187428572,-  
0.963635575142857,-0.974580069142857,-0.971409075142857,-0.937083636714286,-  
0.962524372714286,-0.988580046285714,-0.984752927142857,-0.985544945285714,-  
0.989287359142857,-0.986215013,-0.988348904571428,-0.975892407428571,-0.976092920571429,-  
0.985957788,-0.977509583571429,-0.968135251857143,-0.985730995857143,-0.968020521285714,-  
0.958111895857143,-0.987514525142857,-0.98724716,-0.970249638857143,-0.958975084,-  
0.988695277714286,-0.988058401142857 17,WALKING,0.272341855245902,-0.0184875403339344,-  
0.109792122032787,-0.31950017295082,-0.0175797885542623,-  
0.265824489180328,0.92811236852459,-0.179927382704918,-0.190265949622951,-  
0.980983351639344,-0.968613202622951,-  
0.956903248196721,0.0773188580032787,0.0130098548360656,0.0243753334442623,-  
0.355492635409836,-0.0935385034,-0.534303311639344,-0.00922265519180328,-  
0.0839773343770492,0.0757132656704918,-0.47981351295082,-0.454932903934426,-  
0.386044435409836,-0.109959237927869,-0.0379251328622951,-0.0513807166754098,-  
0.431296148196721,-0.560203489016393,-0.524422887377049,-0.151151487704918,-  
0.461837866885246,-0.151151487704918,-0.461837866885246,-0.301093269180328,-  
0.275672786229508,-0.335009836885246,-0.522494763606557,-0.517167440655738,-  
0.53970849147541,-0.360991674918033,-0.065026762212623,-0.382832802295082,-  
0.304806274098361,-0.0556137930852459,-0.262391594918033,-0.423446094590164,-  
0.194232721737705,-0.523427055737705,-0.343866129016393,-0.0470379377672131,-  
0.543872996229508,-0.40771670852459,-0.490166286557377,-0.398809217540984,-  
0.504849290819672,-0.439238787704918,-0.438768699508197,-0.429380043442623,-  
0.565162507704918,-0.335938891803279,-0.211231860180328,-0.518618058688525,-  
0.615320077704918,-0.582711859672131,-0.520385479180328

17,WALKING\_UPSTAIRS,0.252604768583333,-0.0228645614308333,-0.121290442104167,-  
0.062952754100625,-0.0131721014395833,-0.230220954239583,0.853530565833333,-  
0.284153753333333,-0.298171464166667,-0.949460372291667,-0.91597346625,-  
0.930159843541667,0.07680441704375,0.03083565139375,0.00759533846458334,-  
0.292665827083333,-0.349791873229167,-0.657430836041667,-0.0304250571395833,-  
0.0548455941370417,0.0560931358145833,-0.496562732729167,-0.493044125208333,-  
0.234402350714583,-0.142655397660417,-0.0414496328508333,-0.0223482086545833,-  
0.606044344375,-0.676722847708333,-0.610586202291667,-0.0128062276916667,-  
0.1028777303875,-0.0128062276916667,-0.1028777303875,-0.357233897916667,-  
0.390912450416667,-0.235191249091667,-0.440837260125,-0.637367490625,-0.68231162875,-  
0.1397522212625,-0.1175197356,-0.3999234945625,-0.0355381172854167,-0.0252781736083333,-  
0.2048157105,-0.360272225833333,-0.37705192875,-0.633017707916667,-0.287219038291667,-  
0.365114263583333,-0.680325770833333,-0.416223018291667,-0.521435415208333,-  
0.324273713333333,-0.5244683916875,-0.481154119791667,-0.2778914704375,-  
0.150305643291667,-0.217393170604167,-0.360299853125,-0.437383107916667,-0.504066956875,-  
0.496444579791667,-0.669008763541667,-0.7241557425  
17,WALKING\_DOWNSTAIRS,0.29391828326087,-0.0167359404347826,-  
0.0892432745173913,0.187719760269565,-0.0607892037384783,-  
0.231064156615217,0.928817578043478,-0.151077057652174,-0.160962985956522,-  
0.950026242173913,-0.946576675652174,-0.901097766521739,0.118250858006522,-  
0.0113826178208696,-0.00939838078195652,-0.103436471413043,-0.304063534173913,-  
0.536331570652174,0.0677728390673913,-0.123517195928261,0.0162878745776087,-  
0.370436868891304,-0.459281989565217,-0.468462984347826,-0.1077700285,-  
0.0381702367441304,-0.0582518846641304,-0.526801825217391,-0.572144734130435,-  
0.542770646521739,0.148951103536087,0.0914076757326087,0.148951103536087,0.0914076757326  
087,-0.221631694184783,-0.206576683876087,-0.232641763307609,-0.352687281086957,-  
0.540325787826087,-0.592319490869565,-0.0226239171245652,-0.130272514565217,-  
0.3180818605,0.258941676302174,-0.0860527358695652,-0.245413541641304,-0.215092049054348,-  
0.351268404347826,-0.498668458043478,-0.0718767032673913,-0.298931144913043,-  
0.573043711086957,-0.316412962967391,-0.451126869347826,-0.403380386086957,-  
0.393194731747826,-0.469390428043478,-0.540949520217391,0.0580680522108696,-  
0.0618876767130435,-0.188680399771739,-0.236538515947826,-0.40943875826087,-  
0.428868687826087,-0.57734888,-0.643399203913044 17,SITTING,0.2773570196875,-  
0.014156274084375,-0.11362408509375,-0.9944439053125,-0.96185862984375,-  
0.96572919578125,0.94488374765625,-0.002814673171875,-0.135803881679688,-  
0.99019661703125,-0.9667201059375,-0.9566106440625,0.075070986171875,0.0056097104915625,-  
0.0015544841534375,-0.99434060296875,-0.98863700234375,-0.990529261875,-  
0.042549159015625,-0.0669245931234375,0.0860053803375,-0.98963832578125,-  
0.98612868078125,-0.9797052259375,-0.094247696875,-0.0411134199378125,-0.051090324421875,-  
0.9952559371875,-0.9949818809375,-0.9938412575,-0.97274734640625,-0.96506519109375,-  
0.97274734640625,-0.96506519109375,-0.99281471515625,-0.99144649921875,-0.967177744375,-  
0.97541025484375,-0.996334795,-0.994446755625,-0.9939693815625,-0.96992798921875,-

0.97484160453125,-0.99465731359375,-0.959789141875,-0.96292107328125,-0.99454262109375,-  
0.9883274196875,-0.9888280653125,-0.9946131621875,-0.98991581109375,-0.99081824828125,-  
0.98841106765625,-0.98879397953125,-0.98161709828125,-0.99004126046875,-0.984813098125,-  
0.9809696453125,-0.973626755,-0.9653996796875,-0.99142725046875,-0.99031962640625,-  
0.98336929234375,-0.97471085296875,-0.995204564375,-0.99362452375  
17,STANDING,0.277942503333333,-0.0174120064169231,-0.111432145565,-0.991163919871795,-  
0.968176663717949,-0.970462679230769,0.904678547435898,-0.257486817948718,-  
0.202687757012821,-0.985751365769231,-0.975810476025641,-  
0.969171762179487,0.0740864955641026,0.00657853452564103,-0.00403599594166667,-  
0.992094005512821,-0.98666125974359,-0.991217027307692,-0.0269576937130769,-  
0.0770632126371795,0.0880561869358974,-0.981373082948718,-0.985121164615385,-  
0.985538363333333,-0.101289168653846,-0.0404518753974359,-0.0546331330897436,-  
0.989257196282051,-0.993699908589744,-0.992327099487179,-0.977635981410256,-  
0.975377309871795,-0.977635981410256,-0.975377309871795,-0.991742753589744,-  
0.990363248205128,-0.978184576538462,-0.977680837435897,-0.993672973717949,-  
0.992372117307692,-0.990927533846154,-0.97417056948718,-0.980231575769231,-  
0.991318528333333,-0.966427323846154,-0.966999000897436,-0.992129225769231,-  
0.986278342435897,-0.989563633076923,-0.992775377692308,-0.988200349487179,-  
0.991450377692308,-0.980696264102564,-0.987334041282051,-0.985954978205128,-  
0.981791318076923,-0.983946584871795,-0.986725274871795,-0.980967748205128,-  
0.975504840641026,-0.990162798846154,-0.989472086666667,-0.984291131538462,-  
0.977263418717949,-0.992723939358974,-0.992177303589744 17,LAYING,0.269780085577465,-  
0.0168462006729577,-0.107006279704225,-0.972960567323944,-0.944792875211268,-  
0.953476700140845,-0.19913309,0.658792072253521,0.722657502112676,-0.961063222394366,-  
0.961466681267606,-0.957164565211268,0.077908974656338,0.00706867100408451,-  
0.000143542544507042,-0.981489017183099,-0.976960542816901,-0.98281300056338,-  
0.0234756467113239,-0.0944580192535211,0.111440490309859,-0.975893061830986,-  
0.971484336197183,-0.976200771267606,-0.102049763957747,-0.0361961143943662,-  
0.0604927046338028,-0.980792372112676,-0.983135596619718,-0.988221713380282,-  
0.953021411126761,-0.948257993521127,-0.953021411126761,-0.948257993521127,-  
0.981607627887324,-0.980126745352113,-0.960733121690141,-0.959325498732394,-  
0.985542411126761,-0.982038121126761,-0.974359280140845,-0.954648102253521,-  
0.965406091549296,-0.972438525352113,-0.942791615915493,-0.950116956478873,-  
0.98147206915493,-0.977212387746479,-0.98038005915493,-0.983213244366197,-  
0.978343915774648,-0.983854158873239,-0.971949211126761,-0.973669098591549,-  
0.976164852112676,-0.977203498309859,-0.970627806901408,-0.978357126056338,-  
0.961046326338028,-0.949042531690141,-0.979687318732394,-0.979657231408451,-  
0.969014444788732,-0.96002383915493,-0.982765526478873,-0.981983437605634  
18,WALKING,0.273887758571429,-0.0178023631866071,-0.104218315464286,-0.37600552125,-  
0.227005874892857,-0.428348061071429,0.92386524875,-0.254317085892857,-  
0.0609313415892857,-0.983010882678571,-0.975311658928571,-  
0.97248384875,0.0767524278392857,0.0282745481892857,0.010685091,-0.368056913928571,-



0.320158763392857,-0.633325860714286,-0.0399399716026786,-  
0.0613727362975,0.0944718394625,-0.7044397775,-0.496431539642857,-0.511417204821429,-  
0.0966435295642857,-0.0433771125875,-0.0502631568175,-0.578133968392857,-  
0.694925789464286,-0.663259579285714,-0.287908078035714,-0.460346465357143,-  
0.287908078035714,-0.460346465357143,-0.379269262142857,-0.42541866125,-  
0.500471147857143,-0.60851009125,-0.636485896964286,-0.726591779107143,-0.37147515625,-  
0.24360627125,-0.48977105125,-0.378068199285714,-0.267273644642857,-0.439861578035714,-  
0.414797154464286,-0.361908549464286,-0.601147246785714,-0.375992795357143,-  
0.320264113035714,-0.664327149285714,-0.609673434464286,-0.570898150714286,-  
0.538152344821429,-0.734901390178572,-0.460890661785714,-0.54840977125,-  
0.424386734107143,-0.565563056964286,-0.41403775125,-0.444453486071429,-  
0.620331394285714,-0.668908146607143,-0.710596311071429,-0.769408385535714  
18,WALKING\_UPSTAIRS,0.265401201896552,-0.0222060684378914,-0.112655891327586,-  
0.380168286724138,-0.211155120224138,-0.31437339137931,0.883330258448276,-  
0.316619946206897,-0.106112549189655,-0.961738807068966,-0.942056881206897,-  
0.907839723965517,0.0812402028517241,0.0211654691775862,0.0093589662862069,-  
0.563202134655172,-0.56794063862069,-0.760829911206897,-0.0470683915017241,-  
0.0526133819862069,0.0906736478431034,-0.593841504137931,-0.507297003103448,-  
0.433922212068966,-0.0899953036658621,-0.0527472610827586,-0.0692536211396552,-  
0.76068902862069,-0.828872171206897,-0.718951757931035,-0.279146312758621,-0.37184157,-  
0.279146312758621,-0.37184157,-0.601463948275862,-0.579330320344828,-0.3691086,-  
0.528058134137931,-0.781652689310345,-0.835525127931035,-0.465097261896552,-  
0.363450742586207,-0.522728377068965,-0.350639840862069,-0.190550638155172,-  
0.269571390465517,-0.589410590172414,-0.579650286034483,-0.736149274137931,-  
0.575331252413793,-0.585531432931035,-0.784728430344828,-0.59232371,-0.649817266551724,-  
0.504364096896552,-0.60071129637931,-0.443429836896552,-0.466022431206897,-  
0.436561064482759,-0.436218933448276,-0.574481396551724,-0.587926077068966,-  
0.654029089310345,-0.533044636034483,-0.826193160862069,-0.860910992241379  
18,WALKING\_DOWNSTAIRS,0.288439468909091,-0.0168666920221818,-0.1033908092,-  
0.302634565090909,-0.254214045818182,-0.418610127454545,0.932277478363636,-  
0.225809125454545,-0.0493636733454545,-0.960404874545454,-0.932962218181818,-  
0.921661749636364,0.0809044045254546,-0.000757069449090909,-0.01417699182,-  
0.387223932363636,-0.447033872545455,-0.651246664909091,-0.0576548655654545,-  
0.0636214336761818,0.0987471683127273,-0.502473033509091,-0.617230786,-0.483658260727273,-  
0.0836566573181818,-0.0509120258890909,-0.0570591813909091,-0.676716181636364,-  
0.752608622181818,-0.605655411090909,-0.293531973636364,-0.229934247036364,-  
0.293531973636364,-0.229934247036364,-0.466516044,-0.3825173332,-0.381022814727273,-  
0.507995478327273,-0.701663073636364,-0.744159518909091,-0.350086793272727,-  
0.309049613818182,-0.505824358,-0.285535871636364,-0.273798158,-0.418258649818182,-  
0.412728286727273,-0.465982666363636,-0.622135895090909,-0.416050500909091,-  
0.464546054727273,-0.678751080363636,-0.489232274509091,-0.641527595090909,-  
0.447030699454546,-0.513947089545455,-0.607757979272727,-0.543996110545455,-

0.241973534781818,-0.344299434181818,-0.3833987134,-0.386565072363636,-0.604735414363636,-  
0.533844932145455,-0.744236045090909,-0.763430801654546 18,SITTING,0.27727001877193,-  
0.0128691279736842,-0.111904775824561,-0.994347988596491,-0.974928131052632,-  
0.977572717017544,0.909816469298246,0.12988647622807,0.161877417894737,-  
0.994043771403509,-0.984035479473684,-  
0.978340183157895,0.076622889,0.00694560289491228,0.00278757042058246,-  
0.991624662105263,-0.984002717017544,-0.990153121754386,-0.0333057034385965,-  
0.0685796341105263,0.0848140511754386,-0.991956958947369,-0.986753343859649,-  
0.981525495438597,-0.0954723233684211,-0.0397125591491228,-0.0523030404789474,-  
0.994170190701754,-0.994224162105263,-0.992814325087719,-0.983674151754386,-  
0.981595285964912,-0.983674151754386,-0.981595285964912,-0.989869574561404,-  
0.991159350526316,-0.977634992105263,-0.981372675614035,-0.994873439824561,-  
0.994868913508772,-0.993144920175439,-0.976538530350877,-0.982996441403509,-  
0.994906565789474,-0.974980068596491,-0.975722121403509,-0.991924709824561,-  
0.983642391578947,-0.988689671578947,-0.992039060701754,-0.985694744385965,-  
0.990141676315789,-0.989961500350877,-0.988702701403509,-0.983027386491228,-  
0.992575399473684,-0.985710087894737,-0.98279727631579,-0.984781467192983,-  
0.982226151578947,-0.990407075964912,-0.991044297894737,-0.986535242105263,-  
0.981252632807018,-0.99480818754386,-0.994967621754386 18,STANDING,0.278458805890411,-  
0.0166353518150685,-0.108453355945205,-0.992019762739726,-0.95422343630137,-  
0.961873909178082,0.947573239863014,-0.204206320958904,-0.0485767106575343,-  
0.99427007520548,-0.981335941917808,-  
0.976044291369863,0.0753539482328767,0.0104698718417123,-0.00181640480191781,-  
0.989436673835616,-0.975277836849315,-0.988455249452055,-0.0265873248835616,-  
0.0732260127945206,0.0843190675616438,-0.962254249589041,-0.980417134246575,-  
0.972820402739726,-0.0987174024657534,-0.0406573412739726,-0.0532384453013699,-  
0.981970965890411,-0.991151973150685,-0.986259015753425,-0.972607495342466,-  
0.972285545479452,-0.972607495342466,-0.972285545479452,-0.98596529369863,-  
0.986015285890411,-0.963006793150685,-0.959797118082192,-0.988685954931507,-  
0.988519665753425,-0.990409919315069,-0.961239135479452,-0.975772813972603,-  
0.992789068493151,-0.952911994794521,-0.957216177945206,-0.989544971232877,-  
0.975243689589041,-0.986265653561644,-0.990287933424657,-0.977179032191781,-  
0.989275839041096,-0.964428926438356,-0.983561159726028,-0.974294413013699,-  
0.962272711643836,-0.978801848493151,-0.974822589589041,-0.976797646027397,-  
0.973264853561644,-0.984987073150685,-0.986277356712329,-0.972352593013699,-  
0.95911345739726,-0.988960668767123,-0.988407465205479 18,LAYING,0.274691576923077,-  
0.0173937684615385,-0.107698927907692,-0.984527649230769,-0.986160920923077,-  
0.987658662307692,-0.220600509076923,0.719755403692308,0.605495317692308,-  
0.982715987538462,-0.994093522615385,-  
0.990957249538462,0.0749985010769231,0.0117018961415385,-0.00121344813430769,-  
0.985921071076923,-0.985554339384615,-0.990660246153846,-0.02517618068,-  
0.0837587308153846,0.0937781948153846,-0.992872598,-0.984202872923077,-0.985108386307692,-

0.0997154236307692,-0.0393440191846154,-0.0593135986615385,-0.996104441384615,-  
0.990547638769231,-0.992548101846154,-0.986456241538461,-0.986464542615385,-  
0.986456241538461,-0.986464542615385,-0.98832154,-0.989526277538462,-0.980740846769231,-  
0.980560877846154,-0.993095122615385,-0.992153054,-0.985179972153846,-0.984909884615385,-  
0.988606906307692,-0.984321858307692,-0.986746450769231,-0.987224804307692,-  
0.986404709384615,-0.985865325230769,-0.989116865846154,-0.986641245846154,-  
0.986210701230769,-0.990744752923077,-0.992436927692308,-0.985611171384615,-  
0.984999291538461,-0.993019371692308,-0.983457774923077,-0.986483048153846,-0.986788412,-  
0.987648484461539,-0.988548418307692,-0.989710656769231,-0.984329092153846,-  
0.981468841692308,-0.991901007538462,-0.992737961692308 19,WALKING,0.273931172307692,-  
0.0191773587903846,-0.122736673192308,-0.0489049407963462,0.181801561185577,-  
0.13947794235,0.935222559230769,-0.2233381,-0.0898428797307692,-0.9698614625,-  
0.958651200384615,-0.929187930961539,0.0822246284461538,0.0144113482019523,-  
0.0327528722288462,0.110306729315577,0.0809271194038462,-0.179390497475,-  
0.0274970979894231,-0.0751569333730769,0.0798106981923077,-0.0264357957923077,-  
0.114406108840577,-0.104202986482692,-0.0832353261384615,-0.0307128442115385,-  
0.0603091962115385,0.0801186523134615,-0.291594827626923,-  
0.213494065344231,0.0648173438653846,-0.0993927171359615,0.0648173438653846,-  
0.0993927171359615,0.109450990201923,0.0356558788076923,0.100045071430769,-  
0.0218463165461539,-0.164699977592308,-0.271487480103846,-  
0.0299815666923077,0.169258575663077,-0.104423357596154,-  
0.0578820787019231,0.112615077990385,-  
0.233872331063462,0.0336380997853846,0.0107318703980769,-  
0.129367902596154,0.0908366492173077,0.0854010732076923,-  
0.227829841936346,0.228142361865385,-0.0973549846596154,-0.01050470716,-  
0.108388809533846,-0.133010285461538,-0.220271190807692,0.0322272296217308,-  
0.324793406057692,0.0730179928688462,-0.0222869586038462,-0.0952460452365385,-  
0.141598402309615,-0.262442822846154,-0.336148733 19,WALKING\_UPSTAIRS,0.242118808925,-  
0.0303986615775,-0.151054607725,-0.1287420952375,0.176349922525,-  
0.1904685504575,0.8294283725,-0.3871007085,-0.2210087627,-0.916495992,-0.9010448505,-  
0.83693567475,0.08315450836225,0.056818586275,0.0316681980575,-0.1742790558,-  
0.0128865483575,-0.4442822275,0.0388537087875,-0.134514320575,-0.000233248224999999,-  
0.4068000325,-0.17263322355,-0.110117174875,-0.1018063044,-0.0346288461475,-  
0.0533545875525,-0.23937641116,-0.49212221875,-0.3754149830025,0.01738119347275,-  
0.177666828025,0.01738119347275,-0.177666828025,-0.114189605875,-0.284060693125,-  
0.06161577145,-0.26440144275,-0.372790526575,-0.50740029025,-  
0.15687949467775,0.111818164225,-0.2196444734075,-0.11993477534,0.13255758081125,-  
0.2399806950525,-0.2053226461925,-0.073928372175,-0.3806571232,-0.2172651781,-  
0.0131695876025,-0.50771620575,-0.194485509535,-0.2254218170275,-0.06612935167,-  
0.4775147465,-0.149925160355,-0.207498123525,-0.07962876322,-0.368253499,-0.187391317015,-  
0.43467125,-0.28884026785,-0.3771327525,-0.4771839145,-0.58828966075  
19,WALKING\_DOWNSTAIRS,0.262688053871795,-0.0145942275069487,-

0.133695240660974,0.626917070512821,0.514816445641026,0.049322451025641,0.88194085512820  
5,-0.215018042307692,-0.126146868942821,-0.89972613948718,-0.917880864102564,-  
0.899363131794872,0.0730930306923077,-0.0386872111282051,-  
0.00955202497435898,0.544273037307692,0.355306716915385,-0.0200111148717949,-  
0.205775427307692,0.0274707556666667,0.163962510807692,0.267657219333333,0.0483147743589  
744,-0.0314083457948718,-0.0337429578461538,-0.0394612603358974,-  
0.054556556348718,0.179148649684615,-  
0.0146299196923077,0.116646170221282,0.644604325128205,0.413472376589744,0.6446043251282  
05,0.413472376589744,0.434490400974359,0.450612065720513,0.418004608615385,0.23782123189  
4872,0.0875816618205128,-  
0.0438985022538462,0.537012022051282,0.494457802230769,0.110659220744872,0.6585065433333  
33,0.427928785230769,-  
0.0783635041538461,0.474317256051282,0.276716853307692,0.0595905768717949,0.476803887476  
923,0.349771285415897,-  
0.0983930104846154,0.474962448333333,0.147083143564103,0.210673073192308,0.1966132866615  
38,-0.028489571974359,-  
0.215892226769231,0.586637550769231,0.0828630624102564,0.538404846128205,0.3163464153487  
18,0.203979764835897,0.0320366671179487,-0.0229045295641026,-0.143254547512821  
19,SITTING,0.273830316164384,-0.016739260030137,-0.10870765430137,-0.976357663013699,-  
0.950388943972603,-  
0.951929615068493,0.581371509041096,0.360343534657534,0.489126594657534,-  
0.969355010136986,-0.96996981369863,-  
0.960394960821918,0.0753747129191781,0.0137921005843836,0.00173106800213699,-  
0.987043285479452,-0.979267729041096,-0.986704740273973,-0.0214151280054795,-  
0.0520207886438356,0.0968980718168493,-0.984625306849315,-0.959758309589041,-  
0.96559497630137,-0.100986131452055,-0.0425170215068493,-0.0590801684246575,-  
0.988464752739726,-0.987465915068493,-0.98531069,-0.962074065616438,-0.951755657260274,-  
0.962074065616438,-0.951755657260274,-0.986423976027397,-0.984205184931507,-  
0.942229043835616,-0.950491807945206,-0.989450316575342,-0.985831284657534,-  
0.979238031780822,-0.960763181917808,-0.96633509109589,-0.975204245342466,-  
0.948053070136986,-0.947514931780822,-0.986775590136986,-0.979141571643836,-0.98398048,-  
0.988576991369863,-0.98099857671233,-0.988151915753425,-0.981743664931507,-  
0.968188675753425,-0.968235777945205,-0.985576048219178,-0.955598610136986,-  
0.967869249178082,-0.962632577945205,-0.952802277671233,-0.983751646712329,-  
0.983687272739726,-0.964238768493151,-0.950484417260274,-0.986727418493151,-  
0.985416444657534 19,STANDING,0.27817226,-0.0154244056945206,-0.10904190460274,-  
0.989910996849315,-0.944430270684931,-0.952599653972603,0.944045837534247,-  
0.223897807808219,0.130643717849315,-0.992411542465753,-0.971426607808219,-  
0.958862043972603,0.0754120366712329,0.00991338273931507,0.00129216333878082,-  
0.984792035205479,-0.970543276575343,-0.986142491917808,-0.025090574020274,-  
0.0631429827260274,0.0710520180136986,-0.946109711917808,-0.96957632369863,-  
0.960734258356164,-0.0990467890520548,-0.0422918533780822,-0.0523769867072603,-

0.97512668739726,-0.988096672191781,-0.983453911232877,-0.960505683561644,-  
0.962549342465753,-0.960505683561644,-0.962549342465753,-0.983068923561644,-  
0.979640838082192,-0.94174504109589,-0.937951031506849,-0.985801637671233,-  
0.983069427945205,-0.987352048356165,-0.952872872465753,-0.968543351780822,-  
0.991161671369863,-0.943193755068493,-0.947753961643836,-0.985039596164384,-  
0.970011345890411,-0.983463295479452,-0.985913722328767,-0.973588517808219,-  
0.987524587534246,-0.947865639178082,-0.975061671643836,-0.965100636164384,-  
0.946607045616438,-0.966967238082192,-0.963212791780822,-0.968910788767123,-  
0.964259110821918,-0.979135412739726,-0.979179149452055,-0.958578129589041,-  
0.936723548493151,-0.984536610136986,-0.982228582191781 19,LAYING,0.272653733493976,-  
0.0171426864421687,-0.10898146186747,-0.965019579518072,-0.973449968554217,-  
0.984672837228916,-0.680043155060241,0.725646622771084,0.687623852530121,-  
0.958959611084337,-0.986993149638554,-  
0.988819031566265,0.0772317998650602,0.011149573306747,-0.000988690855325301,-  
0.983605223493976,-0.974524522650602,-0.988260181084337,-0.0312072730559566,-  
0.0952628014096386,0.10860511373494,-0.981357611445783,-0.963617705662651,-  
0.973197523855422,-0.0956018266746988,-0.0371476597051807,-0.0599161477951807,-  
0.976105663493976,-0.984607728915663,-0.986958363975904,-0.96626080686747,-  
0.963193489036145,-0.96626080686747,-0.963193489036145,-0.98478434,-0.980668287831325,-  
0.953263432771084,-0.955906646506024,-0.985342497710843,-0.980245510843374,-0.97453373,-  
0.972798824096385,-0.985340447349398,-0.962085001204819,-0.974832075662651,-  
0.984740998192771,-0.983478561807229,-0.974878270963855,-0.986506488795181,-  
0.985278006987952,-0.975964111566265,-0.988558703373494,-0.974196217590361,-  
0.972061003493976,-0.973932332530121,-0.983944795060241,-0.959831365783133,-  
0.975417523855422,-0.971957401325301,-0.964056773975904,-0.980621564096386,-  
0.979452188433735,-0.965624724457831,-0.957496024457831,-0.981890470361446,-  
0.979327847469879 20,WALKING,0.272589336470588,-0.021199992245098,-0.113539477098039,-  
0.208342792019608,0.489771808627451,-0.228734217372549,0.899965205686275,-  
0.344443913137255,-0.035130214,-0.970327266470588,-0.962003383529412,-  
0.953850439607843,0.0841234323137255,-0.0210619558882353,0.00634457223529412,-  
0.090645041854902,0.244310894098039,-0.387664584313725,-0.0234104225980392,-  
0.074105054612549,0.0851359929294118,-0.23294061427451,0.0858321519372549,-  
0.165748467372549,-0.0679992365372549,-0.0514175758627451,-0.0549273707529412,-  
0.253227445431373,-0.127554090666667,-0.22704432732549,0.039402280578902,-  
0.156930391921569,0.039402280578902,-0.156930391921569,-  
0.0429359302764706,0.0210765716843137,0.0686275147882353,-0.0367853189588235,-  
0.194893253196078,-0.149864146847059,-0.147404272166667,0.403465950921569,-  
0.272213861705882,-0.234985644352941,0.438436341294118,-0.26649772672549,-  
0.138717234372549,0.157933952294118,-0.34599447627451,-  
0.122237205541176,0.255614062961569,-0.427690451960784,-  
0.0936248686019608,0.0310145965868627,-0.108892495684314,-  
0.279931528352941,0.107704805445098,-0.264957205764706,-0.00353341793921569,-

0.389934004313726,0.0545269493972549,-0.0310650270227451,-0.0520065599062745,-  
0.196210236058824,-0.180365335498431,-0.171975765239216  
20,WALKING\_UPSTAIRS,0.252098317156863,-0.0282258047588235,-0.121023947784314,-  
0.116088676011765,0.15219632835098,-0.229249455098039,0.777095717058824,-  
0.479894842941176,-0.130117634791765,-0.931405014313725,-0.92459435372549,-  
0.904064093529412,0.0836451256901961,0.00659982629803922,-0.024542099304902,-  
0.185695388078431,-0.260789711588235,-0.513641207058824,0.0659193258862745,-  
0.174650964745098,0.058701941845098,-0.492701193921569,-  
0.104722161186078,0.184119332796078,-0.148389168870392,-0.0189816250372549,-  
0.0518985451176471,-0.471107678431373,-0.393988623529412,-  
0.253867089670588,0.00872502461176471,-0.198269718823529,0.00872502461176471,-  
0.198269718823529,-0.255611242098039,-0.239444370019608,0.0223302538235294,-  
0.253929985803922,-0.37192841627451,-0.455396068627451,-0.140439074776471,-  
0.0293832440223529,-0.318431522156863,-0.108444759592157,0.16454675022549,-  
0.242438965196078,-0.256162264623529,-0.312161098966667,-0.492755895098039,-  
0.187090779486275,-0.255008282372549,-0.533201712745098,-0.372684353921569,-  
0.162341385629412,0.115076640798039,-0.532021733921569,-  
0.079046721372549,0.095476833245098,-0.205009295196078,-0.320241012294118,-  
0.215014031556863,-0.280450026862745,-0.286627716823529,-0.360948341823529,-  
0.450393446470588,-0.50282154372549 20,WALKING\_DOWNSTAIRS,0.296144421355556,-  
0.00964120773155556,-0.104602925937778,0.0745098785288889,0.616937015333333,-  
0.160938536488889,0.91972663,-0.277419718666667,-0.0282591579777778,-0.940458075111111,-  
0.908577153777778,-0.919693532888889,0.0695031058,0.00436449644888889,-  
0.00253482149777778,-0.135699627468889,0.289670966711111,-0.381503405466667,-  
0.111367747557778,0.013902339511111,0.103900480541333,-0.204939567711111,-  
0.146794177311111,0.159723529622222,-0.0452503065777778,-0.0577371504488889,-0.061531283,-  
0.249235098988889,-  
0.334568787888889,0.00307854550222222,0.221851587933333,0.172636361444444,0.221851587933  
333,0.172636361444444,-0.0612699838466667,0.0467185842571111,0.0938419436933333,-  
0.0305762438706667,-0.268183423577778,-0.275591880382222,-  
0.0343309987555556,0.524187686888889,-0.188098811986667,0.113033424261778,0.560191344,-  
0.213916756933333,-0.199360430553978,0.20582901724,-0.356220245355556,-  
0.147278592755556,0.293119526444444,-0.405294896466667,-0.0629572600911111,-  
0.138097945555556,0.257037841093333,-0.253365630644444,-  
0.159961424355556,0.0183050845333333,0.151887747217778,0.000242174637777778,0.0137917152  
644444,0.0790379799133333,-0.100566103524444,-0.151681987177778,-0.311668472555556,-  
0.281657285946667 20,SITTING,0.278045439090909,-0.0147229305131818,-0.108369634515152,-  
0.983081858939394,-0.93612270469697,-  
0.929106396818182,0.924454522424242,0.0733385412878788,0.151679135228788,-  
0.985829034393939,-0.966983534242424,-  
0.935854966151515,0.0746568393030303,0.00597430268636364,0.00160134859924242,-  
0.982078229242424,-0.970896863484849,-0.976522488787879,-0.036405928969697,-

0.0650689347121212,0.0642882138333333,-0.976309017121212,-0.960104508636364,-  
0.945771803484848,-0.0959970816060606,-0.0407299244348485,-0.0465835149090909,-  
0.977414910909091,-0.979684097272727,-0.979742084090909,-0.952738043030303,-  
0.937764028181818,-0.952738043030303,-0.937764028181818,-0.978774578333333,-  
0.972537871515151,-0.939574435606061,-0.941069909848485,-0.983010276060606,-0.97507615,-  
0.981203064242424,-0.945198619242424,-0.947597457121212,-0.98397837530303,-  
0.935031700454545,-0.924947175454545,-0.982243603030303,-0.971158287575758,-  
0.973211461363636,-0.983565760757576,-0.972776577272727,-0.978458923030303,-  
0.969913284393939,-0.964643068787879,-0.950963363939394,-0.978433538484848,-  
0.958015696363636,-0.949176822121212,-0.946913451666667,-0.942151231515152,-  
0.971730462575758,-0.972597744242424,-0.953399068181818,-0.943725755909091,-  
0.976108353787879,-0.975226588333333 20,STANDING,0.278076904657534,-0.0180695049161644,-  
0.100402759931507,-0.967209961232877,-0.87541041109589,-  
0.913142481643836,0.911231752465753,-0.305938716712329,0.0708655286023288,-  
0.981916942054795,-0.957462721369863,-  
0.942437325616438,0.0763556159315068,0.0116930221630137,-0.00613681937487671,-  
0.959528332191781,-0.935605650958904,-0.958936310958904,-0.0241335049573973,-  
0.0698308923617808,0.0773671448739726,-0.886749172739726,-0.903913940684932,-  
0.907343324657534,-0.102049132684932,-0.0432152397506849,-0.051815224739726,-  
0.921644239863014,-0.947633070684932,-0.948669854794521,-0.92240685739726,-  
0.910672094794521,-0.92240685739726,-0.910672094794521,-0.956624899041096,-  
0.938454372328767,-0.883675028630137,-0.843683410273973,-0.94793650109589,-  
0.926328788356164,-0.96193272890411,-0.898194212465753,-0.929985824794521,-  
0.96980617890411,-0.872525409452055,-0.910995860273973,-0.959710489315069,-  
0.935717554109589,-0.952741107945205,-0.963098911506849,-0.94047417890411,-  
0.963973097671233,-0.881019424794521,-0.91064914109589,-0.911409911643836,-  
0.890525705068493,-0.901237499589041,-0.914872014383562,-0.921225595205479,-  
0.918651880273973,-0.940007897123288,-0.936025033013699,-0.87943767479452,-  
0.849127347123288,-0.929600007123288,-0.927225720410959 20,LAYING,0.239507882205882,-  
0.0144406281132353,-0.104274322538235,-0.962249114705882,-0.964098180294118,-  
0.972571998382353,-0.47243141557353,0.864882956617647,0.477573305,-0.928674215147059,-  
0.976018476911765,-0.9765185525,0.0892716006470588,0.00110822495382353,-  
0.00309891846569118,-0.984270728235294,-0.977002606764706,-0.984989224117647,-  
0.0231760616308824,-0.0954899626029412,0.123680209926471,-0.984477414264706,-  
0.972941910294118,-0.972409893529412,-0.0995033069117647,-0.038776298,-  
0.0610028293088235,-0.989283577352941,-0.981540062058824,-0.986670534411765,-  
0.960743126176471,-0.939489444558824,-0.960743126176471,-0.939489444558824,-  
0.98467007382353,-0.980161687058824,-0.9604473725,-0.962153597941177,-0.986749500882353,-  
0.981079301617647,-0.965728781617647,-0.965595958382353,-0.976392651323529,-  
0.960997907205882,-0.964960988382353,-0.971901324705882,-0.983889985147059,-0.9772207075,-  
0.982876212058823,-0.986213883088235,-0.978451446764706,-0.985707806323529,-  
0.982619403529412,-0.973120029558823,-0.972278603529412,-0.985154588529412,-

0.973092518088235,-0.974995267058824,-0.952827071323529,-0.9418940855,-0.979695458088235,-  
0.979565196911765,-0.969832241176471,-0.964205915441176,-0.981119820588235,-  
0.981986152941177 21,WALKING,0.279183526730769,-0.0181610317526923,-0.104319332403846,-  
0.297814843538462,0.0540880509209615,-0.16868872575,0.862524800961539,-0.370984549423077,-  
0.220947960192308,-0.969576355384615,-0.964144520576923,-  
0.974939388076923,0.0782251820211539,0.00235197553846154,-0.0101813421307692,-  
0.114888873837692,-0.0347143855729423,-0.425142604807692,-0.0459323393842308,-  
0.0590294439942308,0.0983715930038461,-0.432232883846154,-0.397892316730769,-  
0.311875599423077,-0.0868767709153846,-0.0515650260576923,-0.0621192104076923,-  
0.238908311384615,-0.482854309807692,-0.494927657115385,-0.123455661519231,-  
0.299709752173077,-0.123455661519231,-0.299709752173077,-0.148138991523077,-  
0.0838487968942308,-0.284775644807692,-0.408304434423077,-0.426930725,-0.450369988846154,-  
0.273496158519231,0.0338465813711538,-0.300309066730769,-0.308547185288462,-  
0.00256294245192308,-0.164961027194231,-0.200442011365385,-0.112564739084615,-  
0.405700157884615,-0.107412802661538,-0.0148415165923077,-0.443563412692308,-  
0.246657382884615,-0.371744086730769,-0.283262474865385,-0.491859244230769,-  
0.419400879423077,-0.385505359038462,-0.251266388923077,-0.438149791153846,-  
0.144009889665385,-0.0186734409634615,-0.409516081153846,-0.512249343076923,-  
0.4995972025,-0.429323466346154 21,WALKING\_UPSTAIRS,0.265194544680851,-  
0.0237218695148936,-0.125414265340426,-0.240808282276596,0.109787469104255,-  
0.219707928574468,0.781177210851064,-0.432309617446809,-0.309735038510638,-  
0.940911635531915,-0.941523624255319,-0.932716253829787,0.104034223065957,-  
0.0156290073042553,-0.0360115472978723,-0.424052014680851,-0.203209665702128,-  
0.562052350212766,0.062608688893617,-0.155622431382979,-0.00546829763829787,-  
0.53190941893617,-0.463136841489362,0.0517155421740426,-0.144351492595745,-  
0.0132022768074468,-0.00694066389361702,-0.573541839148936,-0.604469603617021,-  
0.564149244893617,-0.0810453188106383,-0.278474283829787,-0.0810453188106383,-  
0.278474283829787,-0.355047693617021,-0.404183875893617,-0.168982721146809,-  
0.420236002514894,-0.577935642978723,-0.647723419148936,-  
0.319169340234043,0.0221598658106383,-0.321712974042553,-0.213184048,0.0823434279595745,-  
0.22716417293617,-0.436839580425532,-0.205067301297872,-0.519815170851064,-  
0.462972848723404,-0.261261053404255,-0.603127367234043,-0.446974007021277,-  
0.446691581702128,-0.155762354829787,-0.560968048723404,-  
0.478299637021277,0.0130916351042553,-0.257894449148936,-0.403357611702128,-  
0.355443706553191,-0.47772185,-0.475369886808511,-0.483407096425532,-0.628915748723404,-  
0.700980410425532 21,WALKING\_DOWNSTAIRS,0.3014610196,-0.0173195390157778,-  
0.09816866218,0.224343492244444,0.301336399711111,-0.0717893558666667,0.872683205555556,-  
0.356673289555556,-0.187870253333333,-0.940194827777778,-0.940111830666667,-  
0.916324556888889,0.0901452883333333,-0.0213998492444445,-  
0.0125551085533333,0.00214655719111111,-0.0796009757622222,-0.246061882112444,-  
0.126388023595556,0.0162145300888889,0.148610020955556,-0.442148617666667,-  
0.353733478222222,-0.349759493777778,-0.0726461849022222,-0.07359521674,-



0.0788436473888889,-0.549648320222222,-0.442426840888889,-  
0.428337693333333,0.245771699004444,0.264341903711111,0.245771699004444,0.26434190371111  
1,-0.0802241799933333,0.0952339404955556,-0.184850019535556,-0.388420328666667,-  
0.452828682444445,-0.509130858444444,0.104323529982222,0.181138042506667,-  
0.0769713066866667,0.266987750733333,0.277894323022222,-0.145081705591111,-  
0.0377894711288889,-0.107306347733333,-0.196838264546667,-0.0463867896444445,-  
0.113161860322222,-0.293237567085333,-0.366748752888889,-0.308879866288889,-  
0.238221682666667,-0.469790144111111,-0.388418746666667,-  
0.450772139111111,0.239895893822222,0.0791271386644444,0.112442619741778,0.06320531452,-  
0.406392284444444,-0.484489974222222,-0.490804948444445,-0.571666834444445  
21,SITTING,0.277539616823529,-0.0144009705494118,-0.112057887741176,-0.991777287176471,-  
0.966877560941177,-0.959567861764706,0.940031368,0.0215206708823529,-0.0567766060705882,-  
0.992936404470588,-0.979355363176471,-  
0.965426493882353,0.0757109789882353,0.0121020139594259,-0.000175352166235294,-  
0.989439392235294,-0.979002804823529,-0.985823622941176,-0.0198712820612471,-  
0.0653077503317647,0.0831326042823529,-0.988410501294118,-0.976380487294118,-  
0.976972658588235,-0.101114775129412,-0.0391483428502824,-0.0526409877294118,-  
0.989472968470588,-0.989722663529412,-0.987954515294118,-0.974734999411765,-  
0.971994251294118,-0.974734999411765,-0.971994251294118,-0.985947225176471,-  
0.986520865058823,-0.964971113764706,-0.971225061647059,-0.990307349882353,-  
0.990302232705882,-0.990610228,-0.968060947058824,-0.970859342941177,-0.992375229411765,-  
0.96756129,-0.956412505058824,-0.989759187058823,-0.979180438588235,-0.983434322941176,-  
0.990027822470588,-0.980347168823529,-0.986845672352941,-0.984893559764706,-0.979830938,-  
0.976839728941176,-0.98955931,-0.974723217647059,-0.979130678470588,-0.974829227058824,-  
0.974447593176471,-0.985342358705882,-0.986991549529412,-0.977839702352941,-  
0.972027251294118,-0.990014272588235,-0.991062204823529 21,STANDING,0.27695224258427,-  
0.0167084730205618,-0.110417855808989,-0.981419961123595,-0.943601625393258,-  
0.946123407078652,0.881213341910112,-0.346155558876405,-0.207685689775281,-  
0.982906668876405,-0.977681415955056,-  
0.958590002247191,0.0754543858764045,0.0100621171270225,-0.00332093673865169,-  
0.97706335011236,-0.963921458202247,-0.977915677191011,-0.0191731896359551,-  
0.0738115865407865,0.0864863265393258,-0.962514526067416,-0.955979192696629,-  
0.959327022022472,-0.103199796370787,-0.0404300756516854,-0.0538211740234832,-  
0.971866494606742,-0.976815894044944,-0.975427259325843,-0.958774298089888,-  
0.956919898202247,-0.958774298089888,-0.956919898202247,-0.974765161910112,-  
0.97160651494382,-0.949837151797753,-0.945614401797753,-0.976857084157303,-  
0.976153687752809,-0.978327686179775,-0.949694904269663,-0.960274142134831,-  
0.982892836629213,-0.94354515752809,-0.942458908314607,-0.976803010674157,-  
0.964503015505618,-0.974780645393258,-0.979530485393258,-0.966024075955056,-  
0.979723339662921,-0.956989964269663,-0.960082591123595,-0.959432562359551,-  
0.964530315842697,-0.954080913707865,-0.963124572134831,-0.962291334157303,-  
0.960041844382022,-0.970634296404494,-0.97192611741573,-0.956723022359551,-

0.947763172921348,-0.976126760674157,-0.977706619550562 21,LAYING,0.271325472455556,-  
0.0184233048415556,-0.103253832233333,-0.955019866222222,-0.956959422222222,-  
0.945653787777778,-0.174349174822222,0.599992678,0.788251027111111,-0.945905270555556,-  
0.983732936111111,-0.952416332444444,0.0820150201077778,0.0119943671007778,-  
0.0139053438591111,-0.984826520888889,-0.971584753222222,-0.983977644222222,-  
0.0305126188777778,-0.113800486377778,0.0980906517,-0.975411857555556,-0.952147091444444,-  
0.981345430888889,-0.0964118375066667,-0.0346275066055556,-0.0601398663555556,-  
0.984643717333333,-0.981998497777778,-0.988749495666667,-0.952596583222222,-  
0.942186431444444,-0.952596583222222,-0.942186431444444,-0.982800330555556,-  
0.978552618777778,-0.949278890222222,-0.949289148,-0.985915906888889,-0.982246471555556,-  
0.968234375555556,-0.960069247,-0.961772190555556,-0.950929451222222,-0.957258971111111,-  
0.940919006555556,-0.984188841222222,-0.972039417111111,-0.981630805333333,-  
0.987061376777778,-0.973164432777778,-0.984925270666667,-0.973410473,-0.964968005222222,-  
0.980811216111111,-0.976226919888889,-0.946599855444444,-0.983270707333333,-  
0.953769071222222,-0.944449070888889,-0.978444123888889,-0.977604878888889,-  
0.962349012888889,-0.949736575111111,-0.982993315111111,-0.982305117444444  
22,WALKING,0.27886459,-0.0167213607957174,-0.107112510934783,-  
0.00865921919565217,0.100384246321739,-0.213351968804348,0.936096410434783,-  
0.259644937173913,0.0233780056086957,-0.969643448043478,-0.963639340217391,-  
0.955147847391304,0.062777634002174,0.0356746339782609,0.00443691445434783,0.0358787094  
391304,0.225542290191304,-0.313155902608696,0.0007771571,-  
0.0960880731804348,0.0775266594847826,-0.318537865869565,-0.486322106521739,-  
0.151439515130435,-0.132977562363043,-0.0321910702173913,-0.0569812455608696,-  
0.226656401521739,-0.651875468913044,-0.234278150891304,0.0722419121669565,-  
0.161591787478261,0.0722419121669565,-0.161591787478261,0.02291996735,0.111532924945652,-  
0.210608043717391,-0.390775683913043,-0.461999528913044,-0.503106312391304,-  
0.0994928588891304,0.145367520371739,-  
0.25521651373913,0.0243958191369565,0.00386841059347826,-0.253643608304348,-  
0.0367047077608696,0.159995613695652,-  
0.281973435652174,0.0180047785304348,0.213423556139739,-0.343195610652174,-  
0.144648652152174,-0.501176901956522,-0.083501182326087,-0.374496318695652,-  
0.481624411086957,-0.253173876956522,-0.0241584964891304,-  
0.381399308043478,0.0659727285,0.158286745226087,-0.438378722826087,-0.464019127391304,-  
0.553946121521739,-0.476405270434783 22,WALKING\_UPSTAIRS,0.248391534566667,-  
0.0268622561133333,-0.117550861738095,0.0835738640921429,0.250067523738095,-  
0.109613216345238,0.889454382857143,-0.33682691,-0.0957978990316667,-0.94063384047619,-  
0.941620221904762,-0.913153632142857,0.0877172239047619,0.0367082966285714,-  
0.033616970907381,-0.00853992680952381,-0.0575784544857143,-  
0.471703304761905,0.13497880785381,-0.181458414495238,0.0157359244619048,-  
0.301491709628571,-0.489417908809524,-0.157758060642857,-0.148450080695476,-  
0.0381312609738095,-0.0674570545476191,-0.396699215238095,-0.704255415,-  
0.515697758571429,0.210282608333333,-0.158757474833333,0.210282608333333,-

0.158757474833333,-0.0957840344357143,-0.0876501605595238,-0.1280319236,-0.2025581772,-  
0.568111869047619,-0.675633024285714,-0.0553996485285714,0.13068653882619,-  
0.228019952309524,0.132048813464286,0.230058772192857,-0.116753339559524,-  
0.0382449785166667,-0.0751829281833333,-0.414448875714286,-0.0677978520178571,-  
0.106099613648095,-0.528567802619048,-0.19545699252381,-0.523943751666667,-  
0.199313066142857,-0.338139776690476,-0.473882071666667,-0.222431794690476,-  
0.0866905123880952,-0.334126221428571,-0.0458020362119048,-0.151299835619048,-0.369902,-  
0.234023031571429,-0.667996003333333,-0.70987053452381  
22,WALKING\_DOWNSTAIRS,0.284458963861111,-0.0197999371686389,-  
0.1074157796,0.348618168333333,0.239812250944444,-0.325722718055556,0.921820641944444,-  
0.222215179444444,0.0412987957222222,-0.941242334722222,-0.945824352777778,-  
0.906594023333333,0.101584640833333,0.0211126110833333,0.0112499015,0.0869139849722222,0.  
0198613278611111,-0.477806646111111,-0.0779611213138889,-  
0.0697154455833333,0.0500708760555556,-0.237349190997222,-0.550303216666667,-  
0.280417950555556,-0.0901744530194444,-0.0355171408083333,-0.0481460161016667,-  
0.264848047888889,-0.640280071388889,-  
0.358762129444445,0.330999221944444,0.133267478527222,0.330999221944444,0.13326747852722  
2,-0.0179784626888889,-0.0337640982530556,-0.161333309783333,-0.263921983758333,-  
0.459579670833333,-0.617659355833333,0.195348406222222,0.225766560777778,-  
0.322795653888889,0.402891960277778,0.167409716861111,-  
0.383242679444444,0.0383364203555556,-0.00309155313333333,-  
0.419534253611111,0.0404618458027778,-0.0270294444166667,-0.535893778333333,-  
0.0954349339722222,-0.525006840277778,-0.194915698805556,-0.284532358444444,-  
0.570339899444444,-0.377319033611111,0.155526858911111,-  
0.0575202606055556,0.0224783539805556,-0.118530349166667,-0.338417326388889,-  
0.341863671805556,-0.583510518055556,-0.697451438611111 22,SITTING,0.273583822709677,-  
0.0123468446419355,-0.105827369516129,-0.978466823709677,-0.928059133795645,-  
0.917564853870968,0.839305928709677,0.208553884,0.315551492322581,-0.972009988709677,-  
0.954225015274194,-0.927950649854839,0.0807687311935484,-0.000842715149193549,-  
0.0126852481958065,-0.981664149193548,-0.964782832419355,-0.978928356290323,-  
0.0360430675032258,-0.0793617444354839,0.0804426775241936,-0.981099172419355,-  
0.950173478548387,-0.946501417741936,-0.0986493161935484,-0.0423409822741936,-  
0.0517193986693548,-0.985671250322581,-0.980275619354839,-0.97954410516129,-  
0.942167353870968,-0.924336184035484,-0.942167353870968,-0.924336184035484,-  
0.979303714032258,-0.968576776774194,-0.942077432741936,-0.933268487096774,-  
0.98547603483871,-0.976503766290323,-0.978505368225806,-0.939546007903226,-  
0.946635312419355,-0.97862319016129,-0.926995253483871,-0.909344305645161,-  
0.980944505967742,-0.963129472580645,-0.975330718709677,-0.984299609032258,-  
0.969776055483871,-0.981272224354839,-0.977266731129032,-0.959161754193548,-  
0.948367052258065,-0.982373346290323,-0.946107943548387,-0.951045695483871,-  
0.943078237096774,-0.926798029822581,-0.968908297096774,-0.967026275967742,-  
0.951952767258065,-0.93356300983871,-0.977775448387097,-0.976318114516129

22,STANDING,0.279053861587302,-0.0158563207496825,-0.104967423820635,-0.985000527142857,-  
0.922693288412698,-0.942201655238095,0.954064297619048,-  
0.226418773650794,0.0323824977714286,-0.992827298253968,-0.971080742857143,-  
0.958890201587302,0.0752322891746032,0.0107286964173016,-0.00626291653857143,-  
0.975639080634921,-0.952303493968254,-0.981478064920635,-0.0275201762126984,-  
0.0690067688269841,0.0733466563174603,-0.917837043333333,-0.964714672857143,-  
0.96058251031746,-0.0975013472380952,-0.0420998733444444,-0.0513179245555556,-  
0.949716028730159,-0.984900134285714,-0.979753572380952,-0.954807661269841,-  
0.939866315079365,-0.954807661269841,-0.939866315079365,-0.975876006507936,-  
0.958825095396825,-0.931624303968254,-0.900776555555556,-0.978603529206349,-  
0.966086148412698,-0.980373909206349,-0.929161387619048,-0.957101794126984,-  
0.987400306031746,-0.923657558412698,-0.938409884920635,-0.974969214761905,-  
0.952141454126984,-0.977567430952381,-0.978773000952381,-0.956169964285714,-  
0.984305238253968,-0.917018098571429,-0.97068244031746,-0.962327765238095,-  
0.919851782380952,-0.962172736666667,-0.963652778888889,-0.949044483015873,-  
0.943739135238095,-0.959743877936508,-0.95665395968254,-0.932065270793651,-  
0.900222411269841,-0.968377798253968,-0.965344726666667 22,LAYING,0.279959721194444,-  
0.0142629864502778,-0.110800924652778,-0.947735251944444,-0.913276301666667,-  
0.942945807916667,-0.418494577083333,0.632484075694444,0.771903907083333,-  
0.928781249027778,-0.958826938556945,-  
0.952435389166667,0.075220224222222,0.00459834754236111,-0.00467438744166667,-  
0.970355191527778,-0.955151526805556,-0.974527011944445,-0.0208311371125,-  
0.09257231175,0.145003879319444,-0.956641905833333,-0.9618849625,-0.933251870694444,-  
0.100203934722222,-0.037608730565,-0.0702723568194445,-0.972092602916667,-  
0.980484171388889,-0.978636301805555,-0.934993799305556,-0.909407761152778,-  
0.934993799305556,-0.909407761152778,-0.971169779305556,-0.959849821805556,-  
0.926616373333333,-0.923911565972222,-0.981716936388889,-0.974201690972222,-  
0.953758542777778,-0.925524703472222,-0.954219235555555,-0.945656808055556,-  
0.912562856666667,-0.941163951388889,-0.969570326944444,-0.954833264305556,-  
0.970918941666667,-0.974126068055556,-0.9589609575,-0.976833164027778,-0.95336692,-  
0.964698258611111,-0.942570240416667,-0.958030986944445,-0.960711254583333,-  
0.936965638611111,-0.929818990972222,-0.913267251263889,-0.962654791527778,-  
0.955635614444444,-0.946055840972222,-0.923552358194445,-0.976638980972222,-  
0.972789020833333 23,WALKING,0.273211884237288,-0.0183618711932203,-0.113382994084746,-  
0.313521773389831,-0.119020586510678,0.164220685383051,0.939809688644068,-0.16176137,-  
0.160763360338983,-0.977230903898305,-0.966550706949153,-  
0.932981341864407,0.0987319085964407,0.0148955926864407,-0.00190810641525424,-  
0.229328122305085,-0.0805017337711865,-0.0293115056033898,-0.0631156870355932,-  
0.0640197920966102,0.10770045065339,-0.494322648644068,0.25945722920339,-  
0.209634887972881,-0.0578128239067797,-0.0516704755661017,-0.0903002524369492,-  
0.363969434576271,0.295945926186441,-0.374456768135593,-0.0988770198220339,-  
0.209989354570847,-0.0988770198220339,-0.209989354570847,-0.0670819655881356,-

0.0268194363050847,-  
0.0120968259523729,0.163346451623729,0.0115305410508475,0.250173204117966,-  
0.275404187920339,-0.0724367317966102,0.0814081078542373,-0.329807279830508,-  
0.202524061966102,0.1161434407,-0.290410454881356,-0.155488720747458,-0.0572021324745763,-  
0.235172990305085,-0.0609753095355932,-0.00623647528983051,-  
0.337619203050847,0.195569461920339,-0.194970369294915,-  
0.545051691694915,0.286581518449153,-0.287820868152542,-0.0942606311677966,-  
0.407577515762712,-0.0180705701559322,-0.0457372334118644,0.185078207383051,-  
0.061476584759322,0.146618569064407,0.287834616098305  
23,WALKING\_UPSTAIRS,0.249995171031373,-0.0323844029237255,-0.126890616782353,-  
0.243887818513725,0.0448435785868628,0.10080118935098,0.843438810196079,-  
0.214481808235294,-0.35593445,-0.933344481568627,-0.910474557058824,-  
0.902065910392157,0.0723649984647059,0.039986286827451,0.0159234167843137,-  
0.365398622764706,-0.328225031,-0.408094020392157,0.0957940245941177,-0.111564389137255,-  
0.0325557522333333,-0.550664576666667,-0.293681861176471,-0.0317301153392157,-  
0.109913094117647,-0.0523943787039216,-0.0924998531372549,-0.548318881568627,-  
0.493514122352941,-0.543765425882353,-0.0117536873784314,-0.271893714117647,-  
0.0117536873784314,-0.271893714117647,-0.311143885098039,-0.362708849411765,-  
0.156527148792745,-0.366732989313726,-0.504367150588235,-0.551275188627451,-  
0.272605689568627,-0.0769773944803922,-0.070577489272549,-  
0.234309548019608,0.0380597405498039,0.104508755759412,-0.365642513176471,-  
0.326236287627451,-0.346605238039216,-0.424877553333333,-0.380894442941176,-  
0.46895638372549,-0.430239229235294,-0.290447408901961,-0.163001294113726,-  
0.590430783921569,-0.301619977058824,-0.0822521122215686,-0.231382662235294,-  
0.410047643333333,-0.302968064764706,-0.454324844901961,-0.380388292223529,-  
0.470491576431373,-0.51871565,-0.632659461568627  
23,WALKING\_DOWNSTAIRS,0.289897411148148,-0.0162111457238889,-  
0.0988123712574074,0.0441392843425926,0.10825903416963,0.229898742944445,0.9237114012962  
96,-0.110028841648148,-0.153671532259259,-0.950790837407407,-0.93901254962963,-  
0.905888257592593,0.0578010605648148,0.0375005150740741,-  
0.000982717101851849,0.198947061775926,-0.0883301225796296,0.0310157077775926,-  
0.0578230190203704,-0.0853077464277778,0.0953602497222222,-  
0.416133032777778,0.213825552277778,-0.208702488240741,-0.117725824412963,-  
0.0352891614740741,-0.0293255016148148,-0.32301569962963,0.146650121972222,-  
0.36786963962963,0.127211137694444,0.230363964351852,0.127211137694444,0.230363964351852  
,0.112982475627778,0.292087200087037,0.0390915481555556,0.0539972903222222,-  
0.0463117766203704,0.0594908483888889,0.205428216353704,0.0959432893981482,0.28051887757  
4074,-0.0282962478037037,0.0432283686975926,0.0947940973814815,0.201542909494444,-  
0.0724504562777778,0.157775692377778,0.0819587190574074,-0.177697841296296,-  
0.09851956305,-0.214730713222222,0.328817010088889,-0.141266888477778,-  
0.482598325037037,0.12605231802963,-0.305896699222222,0.364829993351852,-  
0.0453930349148148,0.335009724333333,0.2244805035,0.150825734842593,-

0.218930425944444,0.0746754643666667,-0.0398573780185185 23,SITTING,0.273351251617647,-  
0.0133945015676471,-0.103808679294118,-0.987607636617647,-0.934933559264706,-  
0.905584390323529,0.936509242941176,0.1217510625,0.0630111556279412,-0.984536722205882,-  
0.960917426323529,-0.923953600294118,0.0770022352205882,0.0101351394211029,-  
0.00148823351367647,-0.984561803823529,-0.978045837794118,-0.975978995,-  
0.0472583464367647,-0.0684325551029412,0.0645673209117647,-0.980363734264706,-  
0.948109526029412,-0.9597186325,-0.0967422192647059,-0.0434602554691177,-  
0.0485561086867647,-0.987084633970588,-0.980727445294118,-0.988130142058824,-  
0.944080772941176,-0.924963263235294,-0.944080772941176,-0.924963263235294,-  
0.982375503382353,-0.97366877632353,-0.936593426911765,-0.937006097352941,-  
0.986514066029412,-0.979226997941177,-0.986325670882353,-0.953460406470588,-  
0.942031166764706,-0.988345258235294,-0.930781487205882,-0.896125263911765,-  
0.984550863529412,-0.978136218235294,-0.972656226029412,-0.986019630441177,-  
0.979564696911765,-0.977936447205882,-0.977149986617647,-0.957920288823529,-  
0.965428833529412,-0.981523241176471,-0.943733421029412,-0.961914054264706,-  
0.945837830147059,-0.927090118382353,-0.974121466764706,-0.972117016617647,-  
0.952293277205882,-0.938680776617647,-0.980707211470588,-0.978499038088235  
23,STANDING,0.277899323235294,-0.0177475547867647,-0.1105970177575,-0.985421519558824,-  
0.9584444925,-0.929409745147059,0.919857125882353,-0.117401359697059,-0.223631180906765,-  
0.984610385,-0.984818648823529,-0.947199734411765,0.0750206478676471,0.0105861517936765,-  
0.00529260911370588,-0.983141958970588,-0.975219983676471,-0.973595215441176,-  
0.0327397745133824,-0.0652264793213235,0.0816888999117647,-0.942011240294118,-  
0.948074760882353,-0.962389689411765,-0.0981481050441177,-0.0416774165735294,-  
0.0548226277867647,-0.972770702058824,-0.972509523235294,-0.984654516470588,-  
0.957212267058824,-0.9516698575,-0.957212267058824,-0.9516698575,-0.978671485441176,-  
0.974811528235294,-0.938430293382353,-0.923796565588235,-0.9763992525,-0.972387365294118,-  
0.983627197058824,-0.962831825294118,-0.945170568823529,-0.986333385588235,-  
0.958042411176471,-0.926110099117647,-0.983283252058824,-0.975176561617647,-  
0.969610229705882,-0.984531642205882,-0.977157997794118,-0.976241315882353,-  
0.947510436323529,-0.952781164558824,-0.967939565,-0.941698515588235,-0.945871186029412,-  
0.9642499225,-0.957986177058823,-0.955291356470588,-0.973798155735294,-0.9750536875,-  
0.944583829705882,-0.924805421470588,-0.972598810882353,-0.973849691470588  
23,LAYING,0.274038007986111,-0.0216553835833333,-0.104256776291667,-0.956756363194445,-  
0.976309827361111,-0.973223495416667,-  
0.391564962777778,0.438434067361111,0.918782825277778,-0.947948758194445,-  
0.982794562916667,-0.976780462083333,0.0831787608333333,0.01535144005125,-  
0.00628235060277778,-0.986360446805556,-0.988611616666667,-0.984663476666667,-  
0.0113399724663889,-0.105052917,0.111078594708333,-0.981849400972222,-0.959195236388889,-  
0.983920132638889,-0.102024922819444,-0.0372449750569444,-0.0621991626111111,-  
0.985027850416667,-0.979427763472222,-0.994908984861111,-0.962959196805556,-  
0.957871990555556,-0.962959196805556,-0.957871990555556,-0.987010197361111,-  
0.986685651527778,-0.949418000972222,-0.957227585972222,-0.984557478611111,-

0.981314831666667,-0.970037238333333,-0.982072295833333,-0.977515213888889,-  
0.952410957638889,-0.974304149166667,-0.972261283055556,-0.986204659166667,-  
0.988230264166667,-0.982415511805556,-0.987840852638889,-0.989995616944445,-  
0.985502011944444,-0.979676078055556,-0.96846913625,-0.984238807777778,-  
0.982665212638889,-0.954997309583333,-0.98531784125,-0.967747053194444,-  
0.958465695416667,-0.985905703888889,-0.986540200694444,-0.966239347916667,-  
0.959025538194444,-0.981846854305556,-0.98158514125 24,WALKING,0.276980816034483,-  
0.0225446400534483,-0.110595952913793,-0.47076236637931,-0.154127498163793,-  
0.288840016206897,0.95970108137931,-0.115116241810345,-0.140910029827586,-  
0.983132400344828,-0.962578844310345,-  
0.962822966551724,0.0731938975362069,0.0121254591034483,-0.0116401387758621,-  
0.485863255344828,-0.302220161206897,-0.491189466034483,-0.0545126870724138,-  
0.0658435879913793,0.0972006320344828,-0.580597373275862,-0.487166280172414,-  
0.396154003275862,-0.0625311679982759,-0.0502895008551724,-0.0739835516362069,-  
0.490773455517241,-0.514246569655172,-0.557968202931034,-0.299983613965517,-  
0.48106401862069,-0.299983613965517,-0.48106401862069,-0.399722201034483,-  
0.409824562586207,-0.403064156896552,-0.563863212586207,-0.507824745862069,-  
0.556022765862069,-0.492419802586207,-0.203193741396552,-0.344493013448276,-  
0.462733639137931,-0.182766476862069,-0.314646918448276,-0.509628168793103,-  
0.352829307068966,-0.469920224310345,-0.507640734482759,-0.294353545672414,-  
0.511115619482759,-0.468295081206897,-0.479841432931035,-0.39144792137931,-  
0.616915839310345,-0.495896271896552,-0.453337858448276,-0.434618912068966,-  
0.590265845517241,-0.418641046896552,-0.40297998362069,-0.534509163793103,-  
0.668032801896552,-0.571594392068966,-0.567447731896552  
24,WALKING\_UPSTAIRS,0.269881106779661,-0.0251979434569492,-0.114248610966102,-  
0.344399351355932,-0.116804488966102,-0.255601012881356,0.906369500508475,-  
0.237498409152542,-0.227134869152542,-0.962190567457627,-0.916690779830508,-  
0.934952938983051,0.0862310100338983,-0.0150816047830508,-0.0132353651798305,-  
0.49876467220339,-0.51522075220339,-0.523807264237288,0.0883163772152542,-  
0.105932947294915,0.0248290702830508,-0.577426408813559,-0.568534124576271,-  
0.27459628379661,-0.146800845605424,-0.0317350582050847,-0.0498427228983051,-  
0.640489537966102,-0.646644373728814,-0.648975330847458,-0.226402822033898,-0.30685447,-  
0.226402822033898,-0.30685447,-0.488487620508475,-0.441068689830508,-0.33443583979661,-  
0.503929060169492,-0.658751629152542,-0.638180352881356,-0.395790553898305,-  
0.252412541966102,-0.312792211016949,-0.326165553050847,-0.107787679328814,-  
0.283143443389831,-0.515644617288136,-0.527604243559322,-0.48339098779661,-  
0.527104719152542,-0.535843319152542,-0.562727123050848,-0.503188684915254,-  
0.546620981186441,-0.372182912033898,-0.602945480677966,-0.586177824237288,-  
0.311996408983051,-0.322300989322034,-0.406283377627119,-0.429800778813559,-  
0.45964779779661,-0.564664994745763,-0.54907099,-0.64611467,-0.653876950677966  
24,WALKING\_DOWNSTAIRS,0.288631208909091,-0.0145730348310909,-0.104818820272727,-  
0.08273248054,-0.102607326783636,-0.205566380745455,0.950883416727273,-0.128326710927273,-

0.140123155018182,-0.961845327454545,-0.941478979454546,-  
0.942207718727273,0.0802619828545455,-0.00447316273690909,-0.00846915857363636,-  
0.337218894,-0.169291887741818,-0.290239376563636,-0.0867069010690909,-  
0.0542300245127273,0.111973650603636,-0.431919067945455,-0.484673524,-0.491077244909091,-  
0.0914145014654545,-0.0291766311418182,-0.0412055411490909,-0.358444550225455,-  
0.519326735090909,-0.478690941272727,-0.0737699163072727,-0.0224839122854545,-  
0.0737699163072727,-0.0224839122854545,-0.263106944836364,-0.143501970018182,-  
0.304965806363636,-0.3636948774,-0.497152238363636,-0.459159852363636,-0.222324293454545,-  
0.0861829752472727,-0.173825083587273,-0.0349085946785455,-0.169191147529091,-  
0.291553822381818,-0.376175794909091,-0.2258243574,-0.250000183381818,-0.355930598,-  
0.163626807636364,-0.328569968545455,-0.272469211854546,-0.433475431818182,-  
0.396286646363636,-0.484894683818182,-0.523412701636364,-0.573281905454546,-  
0.0231701626603636,-0.175291708678182,-0.200830137109091,-0.0827554911536364,-  
0.374298686727273,-0.470147270181818,-0.474449925818182,-0.478030486181818  
24,SITTING,0.273475690147059,-0.0131255097938235,-0.103041061426471,-0.990593766617647,-  
0.956255962058824,-  
0.957056111470588,0.919637604411765,0.182254651955882,0.109559621020588,-  
0.989660149852941,-0.971692544705882,-  
0.963406795735294,0.0763318528529412,0.00476702575745588,-0.00113300171426471,-  
0.988564382205882,-0.979573678088235,-0.984662946764706,-0.0356229619955882,-  
0.0750132697044118,0.0800440230882353,-0.988111648676471,-0.977954005147059,-  
0.971277654117647,-0.0951782658382353,-0.040616936,-0.051596655125,-0.991442007794118,-  
0.989780810588235,-0.989850160294118,-0.968979156470588,-0.963779683235294,-  
0.968979156470588,-0.963779683235294,-0.98555822352941,-0.985418456176471,-  
0.964633252352941,-0.969257162647059,-0.991306424705882,-0.990724530735294,-  
0.989529506764706,-0.962773200147059,-0.966991781176471,-0.991100005441177,-  
0.954998005147059,-0.954402697794118,-0.988857403235294,-0.979228238382353,-  
0.981971300147059,-0.9892888075,-0.981550132794118,-0.986008449264706,-0.985676523823529,-  
0.981200181176471,-0.974686891029412,-0.988891551764706,-0.976252427794118,-  
0.972851787647059,-0.968905031470588,-0.965852262058824,-0.984469962941177,-0.98561372,-  
0.977973720735294,-0.969105899117647,-0.990854751176471,-0.990933058235294  
24,STANDING,0.280348883913043,-0.0144785340348986,-0.108222553855072,-0.98725587115942,-  
0.936871974347826,-0.930283530144928,0.96644228,-0.145201300942029,-0.0530585403536232,-  
0.992197591884058,-0.968155388695652,-  
0.94618494942029,0.0746177416521739,0.0109839689101449,-0.00358774904913044,-  
0.980573836811594,-0.967745638695652,-0.977716354927536,-0.0278611511434783,-  
0.0692546674492754,0.077124614942029,-0.960738660289855,-0.967298518695652,-  
0.969958678115942,-0.0991947719855072,-0.0431738608,-0.0517180379565217,-  
0.975856809130435,-0.981983572028985,-0.983276883478261,-0.950061017681159,-  
0.94790101173913,-0.950061017681159,-0.94790101173913,-0.977620953913043,-  
0.973108343043478,-0.954518594057971,-0.95310477884058,-0.982387268985507,-  
0.979995718695652,-0.984183633623188,-0.948970158405797,-0.953817599275362,-



0.988851853478261,-0.934454791304348,-0.923802467681159,-0.98116164057971,-  
0.967720592463768,-0.974170468405797,-0.981721691014493,-0.970228184202899,-  
0.979936740869565,-0.958540187246377,-0.970426493768116,-0.970133388405797,-  
0.961885695217391,-0.965798055507246,-0.972688652173913,-0.960066088115942,-  
0.949522556376812,-0.972251355217391,-0.973195509565217,-0.963922314202899,-  
0.954407176956522,-0.981119237826087,-0.9797551 24,LAYING,0.272850494930556,-  
0.0173555210111111,-0.107236237236111,-0.967984021111111,-0.983126461944444,-  
0.973566958888889,-0.359292534027778,0.738430699305556,0.683839909722222,-  
0.960412164305555,-0.993454358055556,-0.979239668194444,0.08072123275,0.0119819524179167,-  
0.00589225849902778,-0.98636543375,-0.982430495,-0.983087366805556,-0.0143679929444444,-  
0.0955538053611111,0.111730746333333,-0.982651720138889,-0.960299550972222,-  
0.98170136125,-0.102813809652778,-0.0382323710416667,-0.0624116966805556,-  
0.979865720555556,-0.978091312777778,-0.992381595972222,-0.9718540425,-0.969354834166667,-  
0.9718540425,-0.969354834166667,-0.985529270555556,-0.983605927361111,-0.953791512638889,-  
0.957829934722222,-0.982780873888889,-0.978659102222222,-0.975893687083333,-  
0.980830362083333,-0.976634815694444,-0.965167081805556,-0.984571808472222,-  
0.973057781805556,-0.985998546805556,-0.982140613888889,-0.981549689583333,-  
0.988140517777778,-0.984124532361111,-0.983185637916667,-0.976570564027778,-  
0.966111980277778,-0.981093036111111,-0.984713284166667,-0.95779294875,-  
0.983602745694444,-0.973171068055555,-0.971063024027778,-0.983108084305556,-  
0.98328511625,-0.964001383472222,-0.961369084583333,-0.978596740694444,-0.980096981111111  
25,WALKING,0.278992759054054,-0.0186477624716216,-0.108737636297297,-0.596007443513514,-  
0.161852411581081,-0.437133403243243,0.937483114459459,-  
0.127315870743243,0.188416273486486,-0.979499263243243,-0.965093441081081,-  
0.944995731216216,0.0721720712281081,0.00351115201418919,-0.00335098680675676,-  
0.607620931621622,-0.382619718513514,-0.675601403648649,-0.0156305378067568,-  
0.0820768065347297,0.0867868736891892,-0.401158753783784,-0.604032097432433,-  
0.562775245405405,-0.102377269321622,-0.0398986518064865,-0.0512696224225676,-  
0.507957094054054,-0.799635384189189,-0.659576163108108,-0.40528943,-0.565601466081081,-  
0.40528943,-0.565601466081081,-0.538291424594595,-0.542870062567568,-0.394362401351351,-  
0.489809386081081,-0.678466069054054,-0.757032544864865,-0.609038908918919,-  
0.251880271094595,-0.533563220540541,-0.591449956486486,-0.170313804039189,-  
0.430624587162162,-0.625595376891892,-0.43445519972973,-0.659286392837838,-  
0.624145724594595,-0.367760098378378,-0.690413386081081,-0.411909719594595,-  
0.678750350135135,-0.561322950945946,-0.406678108108108,-0.567201282027027,-  
0.603544209459459,-0.566060023108108,-0.632927475540541,-0.564591342162162,-  
0.51900424972973,-0.562733252702703,-0.529262243378378,-0.770300895540541,-  
0.75738578027027 25,WALKING\_UPSTAIRS,0.277995411384615,-0.0269863524264615,-  
0.126210440292308,-0.459775646153846,-0.223086808769231,-  
0.296523975076923,0.927693239538461,-0.217641282461539,0.108230986684615,-  
0.950878450307692,-0.931758272769231,-  
0.882722399076923,0.0740041435707692,0.00925514041553846,-0.0116906813498462,-

0.663642746307692,-0.627131235692308,-0.812458372307692,0.0556121923307692,-  
0.109437658104615,0.0996227385527692,-0.489011794784615,-0.433673383846154,-  
0.564195608923077,-0.126481161061538,-0.0281452998369231,-0.0540452217153846,-  
0.693854902307692,-0.839699143076923,-0.746268282923077,-0.305772199076923,-  
0.480006649846154,-0.305772199076923,-0.480006649846154,-0.679160843538462,-  
0.674513059846154,-0.3186346998,-0.387754116158462,-0.777106026615385,-0.824883302769231,-  
0.521649838769231,-0.380150805384615,-0.542931828,-0.437975786923077,-0.199988428584615,-  
0.237296741292308,-0.668208156461538,-0.640849424923077,-0.793266971230769,-  
0.690213625846154,-0.638086010153846,-0.830526636615385,-0.476144998846154,-  
0.618579913384615,-0.575169715692308,-0.500119831476923,-0.349362687538462,-  
0.601112612153846,-0.527907561538462,-0.536120293230769,-0.654795110615385,-  
0.703433692615385,-0.567153469846154,-0.386612992876923,-0.822403906,-0.841061012153846  
25,WALKING\_DOWNSTAIRS,0.291329666206897,-0.0210170522987931,-0.107192376965517,-  
0.253756934258621,-0.14054060387069,-0.457972381896552,0.929627532241379,-  
0.0724270175862069,0.21879595837931,-0.964470066724138,-0.937816011034483,-  
0.92619169637931,0.110656929396552,-0.0195416626931035,-0.0113348791672414,-  
0.501968387931035,-0.371661522413793,-0.711494695517241,0.00299112856551724,-  
0.101115076366897,0.0980750249310345,-0.288824754586207,-0.523377914655173,-  
0.443780454482759,-0.127952445399655,-0.0415203345874138,-0.0642078122381035,-  
0.430134387586207,-0.810444542413793,-0.599481997931035,-0.22010859462069,-  
0.259465249913793,-0.22010859462069,-0.259465249913793,-0.50048333137931,-  
0.482976929827586,-0.216082565601724,-0.38216092137931,-0.664713625172414,-  
0.67960595137931,-0.372245192931034,-0.196381053741379,-0.556097089137931,-  
0.213028874331035,-0.166842375587931,-0.449465441724138,-0.525789450689655,-  
0.415699643793103,-0.686843959310345,-0.522153341034483,-0.365719830448276,-  
0.734990064137931,-0.217799723931034,-0.632916352241379,-0.410311447586207,-  
0.316252107741379,-0.470641125,-0.506738306724138,-0.288154787517241,-0.359437080103448,-  
0.471642111551724,-0.502224768103448,-0.485763582068966,-0.423707329706897,-  
0.687034281206897,-0.693032409137931 25,SITTING,0.278541482461538,-0.0147696808030769,-  
0.10916044076923,-0.991892828615385,-0.947457617061538,-  
0.965139552153846,0.865686078153846,0.208287142261538,0.167140956385077,-  
0.988879980615385,-0.963415016923077,-  
0.969459982461538,0.0752087009912308,0.00485415893230769,0.00210760835861538,-  
0.992278621692308,-0.982870991692308,-0.988433153384615,-0.0352052091230769,-  
0.0748002714615385,0.0852783892769231,-0.989907584153846,-0.981193501846154,-  
0.972637558615385,-0.0954801379692308,-0.0391651423907692,-0.0495595643230769,-  
0.992304653846154,-0.991315767692308,-0.991491387846154,-0.970409337076923,-  
0.960003414461539,-0.970409337076923,-0.960003414461539,-0.989545142461538,-  
0.988311804923077,-0.966568718615385,-0.970639125692308,-0.99286465,-0.991766403076923,-  
0.991405498153846,-0.959117259384615,-0.974776131230769,-0.992124279384615,-  
0.944842993230769,-0.962090614615385,-0.992478846153846,-0.982957002923077,-  
0.986326396461538,-0.992750109846154,-0.984068025384615,-0.989156105538462,-

0.988002552461538,-0.983827801076923,-0.975805890153846,-0.990550003076923,-  
0.979828883230769,-0.974172870615385,-0.967017992615385,-0.961997268307692,-  
0.987941825538462,-0.987618801076923,-0.979350913692308,-0.970321897230769,-  
0.991781701692308,-0.992019559538462 25,STANDING,0.278013701621622,-0.0163569730274324,-  
0.107352957594595,-0.991970126756757,-0.954569225945946,-  
0.964642688108108,0.929794733108108,-0.159316786486486,0.201182106486487,-  
0.993148267702703,-0.980642970675676,-  
0.967792578648649,0.0752337295675676,0.0066321397672973,-0.00622808791433784,-  
0.988312658378378,-0.972272410540541,-0.987062685135135,-0.0247946750959459,-  
0.0698876853378378,0.0852685438243243,-0.971357421216216,-0.976757621081081,-  
0.971814139189189,-0.100473697756757,-0.0418294632148649,-0.0556979055540541,-  
0.977909693918919,-0.98724214,-0.980722294459459,-0.972663592162162,-0.968075629324324,-  
0.972663592162162,-0.968075629324324,-0.984647071216216,-0.982637080945946,-  
0.967077442837838,-0.959884274324324,-0.985091991216216,-0.983230809594595,-  
0.990093202837838,-0.959846189054054,-0.974051231216216,-0.992851743243243,-0.95417933,-  
0.96212373972973,-0.988404654864865,-0.972554452972973,-0.984832251216216,-  
0.989339890810811,-0.974029503513514,-0.987898048378378,-0.96807852527027,-  
0.97839988527027,-0.970456862567568,-0.97266417,-0.975960666081081,-0.974982088108108,-  
0.972355393243243,-0.970203660405405,-0.982294170810811,-0.982083315,-0.968972499594595,-  
0.961090396891892,-0.98401783027027,-0.983098935945946 25,LAYING,0.250791828613699,-  
0.0188943663671233,-0.100428830260274,-0.909116474109589,-0.691770680561644,-  
0.717262004013699,-0.461102531369863,0.620658919917808,0.526353818315068,-  
0.829554947808219,-0.643578361424658,-  
0.610161166287671,0.0879071687671233,0.0284619311524658,-0.0307179435315069,-  
0.973323412328767,-0.945687169726027,-0.96783552630137,0.00372723459589041,-  
0.0716401726150685,0.139718671465753,-0.889769639726027,-0.936630803287671,-0.91092799,-  
0.101646999342466,-0.0426718870280822,-0.0596922147205479,-0.957381145068493,-  
0.971564323013699,-0.974242254520548,-0.56047777609589,-0.649254767945205,-  
0.56047777609589,-0.649254767945205,-0.962161355890411,-0.961931605342466,-  
0.809688545342466,-0.856017369726027,-0.969783262465753,-0.96830952260274,-  
0.929147371232877,-0.78494581909589,-0.816197953561644,-0.902547712465753,-  
0.67238425569863,-0.694100368012329,-0.972859085753425,-0.946802003561644,-  
0.962632674520548,-0.976423984657534,-0.948414293561644,-0.971885370136986,-  
0.890517539315069,-0.946259639315068,-0.924536860547945,-0.891308069041096,-  
0.932293334794521,-0.915467504246575,-0.774481943616438,-0.651353241643836,-  
0.96008314739726,-0.963601212876712,-0.910126993561644,-0.850661340684932,-  
0.96825160890411,-0.970457947534246 26,WALKING,0.279264443728814,-0.0154259586949153,-  
0.108927011474576,-0.340185527559322,-0.136351391645763,-  
0.333486502542373,0.960647754576271,-0.133922185084746,0.108738699508475,-  
0.980055651016949,-0.969040314237288,-  
0.966231561694915,0.0652303740728813,0.0196712144372881,-0.00618305784355932,-  
0.328452881355932,-0.261863589338983,-0.397483516101695,-0.00334085938813559,-

0.0841507651508475,0.0851069247830509,-0.492885711355932,-0.57573544779661,-  
0.354549059491525,-0.099411456038983,-0.0456538283033898,-0.0492240545355932,-  
0.417438636101695,-0.587000110847458,-0.485543001525424,-0.223399171830508,-  
0.421848313898305,-0.223399171830508,-0.421848313898305,-0.290758024915254,-  
0.279350754237288,-0.392092024067797,-0.538329286101695,-0.51239882559322,-  
0.603468672372881,-0.321959549661017,-0.146702156576271,-0.33953964559322,-  
0.34799792561017,-0.185725832305085,-0.384445322372881,-0.36422676440678,-  
0.298531982474576,-0.398673189830509,-0.351065957627119,-0.271952157220339,-  
0.396530418305085,-0.368112905762712,-0.56182776559322,-0.318516813050847,-  
0.532999609491526,-0.587939604576271,-0.426232090508475,-0.379836742711864,-  
0.537183967118644,-0.293358341186441,-0.268948465423729,-0.551927613050848,-  
0.60946621661017,-0.619461036101695,-0.612930343220339  
26,WALKING\_UPSTAIRS,0.272691394545455,-0.0281633797398182,-0.121943461236364,-  
0.169006952418182,-0.0491726302763636,-0.404596936545455,0.942095257090909,-  
0.246169656181818,-0.00199310572363636,-0.962011392181818,-0.937858157818182,-  
0.929636797636364,0.0755645318545455,0.00209171684890909,-0.0117089275472727,-  
0.290879965872727,-0.399771473818182,-0.677995585454545,-0.0247950825654545,-  
0.0657601804418182,0.0721458973490909,-0.550274396,-0.603097110545455,-0.3090880546,-  
0.0975590199454545,-0.0386244096705455,-0.0595558392545455,-0.515829417272727,-  
0.725210290909091,-0.556390218,-0.142874499381818,-0.1507071068,-0.142874499381818,-  
0.1507071068,-0.404463896363636,-0.334531344727273,-0.344427047636364,-0.514032410181818,-  
0.648099850181818,-0.661829656545455,-0.242820756127273,-0.185528313272727,-  
0.499502759272727,-0.142843838381818,-0.0439473073581818,-0.400902256363636,-  
0.304540556345455,-0.419344696,-0.639741264909091,-0.342075432,-0.420055781272727,-  
0.715726893818182,-0.427686570727273,-0.617112539636364,-0.342703926363636,-0.590812298,-  
0.598236639818182,-0.362052183090909,-0.167566383372727,-0.274226227272727,-  
0.294970470909091,-0.393715352181818,-0.556084778181818,-0.569632,-0.673580662727273,-  
0.669846294545455 26,WALKING\_DOWNSTAIRS,0.2792845828,-0.01262580966778,-  
0.1064396194,0.17395384962,-0.011629910112,-0.284807676,0.9467972718,-  
0.0799003729,0.1539063202,-0.9627219918,-0.9354258554,-0.9330817682,0.111470787918,-  
0.007131601642,-0.01189114264,-0.128111641206,-0.08640490273602,-0.3793359516,-  
0.010752208236,-0.1003822042168,0.082221399603,-0.33131291446,-0.4734080504,-0.3320502392,-  
0.0992465275036,-0.037268109685,-0.05105874094,-0.170842676616,-0.5471984382,-  
0.3589516378,0.114379383742,0.14700167906,0.114379383742,0.14700167906,-0.1488562664,-  
0.111303956316,-0.23531462282,-0.296158291686,-0.4187798104,-0.463140795,0.022800096142,-  
0.006237000044,-0.2796400557,0.22678384386,-0.078283777824,-0.3466485178,-0.201368098258,-  
0.165552378156,-0.3601146078,-0.130825898392,-0.061537065488,-0.3967016908,-0.12591815458,-  
0.44312621,-0.22138882542,-0.3981998635,-0.4975063388,-  
0.434482187,0.075101684668,0.005749436614,-0.15317202912,-0.067941075972,-0.3345099466,-  
0.39299065312,-0.4722007526,-0.4894973794 26,SITTING,0.258243530166667,-  
0.00713364541358974,-0.0974448692333333,-0.979768987948718,-0.94079896551282,-  
0.950004414102564,0.782955611794872,0.223105562025641,0.314387627435897,-

0.965082925641026,-0.949286700807692,-  
0.944580863846154,0.0764443226333333,0.00692238958961539,-0.00780237981320513,-  
0.99225839525641,-0.986215215641026,-0.99000871051282,-0.0370217449628205,-  
0.0840648503320513,0.0711109471666667,-0.99102770051282,-0.973444813846154,-  
0.966441338076923,-0.095984817,-0.0403070205666667,-0.0487627204433077,-  
0.995882512051282,-0.993139833846154,-0.991929788974359,-0.953079994102564,-  
0.933602783410256,-0.953079994102564,-0.933602783410256,-0.990898435769231,-  
0.989986111666667,-0.954052945897436,-0.964742022307692,-0.994466446282051,-  
0.994033207051282,-0.982579546025641,-0.954299410641026,-0.967519149358974,-  
0.978755176794872,-0.937783538974359,-0.94478134025641,-0.992025427435897,-  
0.985862886410257,-0.987989982948718,-0.99329986051282,-0.987754588717949,-  
0.990693114358974,-0.990144882307692,-0.981740793333333,-0.970423693717949,-  
0.991318436410256,-0.969488188974359,-0.968266666923077,-0.952411043717949,-  
0.934587699141026,-0.989481942820513,-0.989521272820513,-0.97646387,-0.963650652307692,-  
0.993985447564103,-0.99420976974359 26,STANDING,0.281127035405405,-0.0166608306652703,-  
0.110237796416216,-0.993069368783784,-0.949466155405405,-  
0.962988401351351,0.965460891621622,-0.140315421824324,0.0884142682297297,-  
0.992678782162162,-0.966986433783784,-  
0.964228470675676,0.0753578207972973,0.0081732226404054,-0.00219497782824324,-  
0.990498355,-0.975935485405405,-0.986693448648649,-0.024534583795946,-  
0.0731385762635135,0.0776706781351351,-0.973785111216216,-0.982408142702703,-  
0.974891360675676,-0.100355997108108,-0.0409011992972973,-0.0532541948283784,-  
0.978472409324324,-0.989766989864865,-0.985992503243243,-0.968511694324324,-  
0.962697299189189,-0.968511694324324,-0.962697299189189,-0.986985213648649,-  
0.982626252972973,-0.968673955540541,-0.962653585540541,-0.98854482527027,-  
0.984253792432432,-0.991993372297297,-0.958402317837838,-0.97321515527027,-  
0.993702408378378,-0.947829677432432,-0.96002779554054,-0.990586982162162,-  
0.976267058648649,-0.984563921216216,-0.991275662027027,-0.977354949459459,-  
0.987428086216216,-0.969364268513513,-0.98388591027027,-0.974459323783784,-  
0.975321645675676,-0.981740873108108,-0.977351005,-0.970605250405405,-0.963909299324324,-  
0.98287688945946,-0.981129312702703,-0.972333108648649,-0.962967605810811,-  
0.985762255540541,-0.983313996081081 26,LAYING,0.27164586454079,-0.0191895728026316,-  
0.105002540289474,-0.969445445263158,-0.983231351842105,-0.984500013157895,-  
0.621309715263158,0.803015011578948,0.614523405921053,-0.944472488552632,-  
0.987887995263158,-0.984081708947368,0.0866502529210526,0.0124420033513158,-  
0.00614755098663158,-0.989315824868421,-0.987182887763158,-0.989064628947368,-  
0.0170656239526316,-0.0903229228815789,0.152436344328947,-0.990328197763158,-  
0.979325678815789,-0.969302237763158,-0.100368640868421,-0.0396682720394737,-  
0.0711533355789474,-0.992665154868421,-0.989063341973684,-0.993759841842105,-  
0.976785042368421,-0.964355190394737,-0.976785042368421,-0.964355190394737,-  
0.989970604210526,-0.989101949473684,-0.951863594736842,-0.965676821973684,-0.99219798,-  
0.989917354473684,-0.973262289210526,-0.983664034342105,-0.984923123552632,-

0.967971891447368,-0.983317083947368,-0.984854487894737,-0.989224043947368,-  
0.987115080789474,-0.987308252236842,-0.990410106973684,-0.988238648552631,-  
0.989370490789474,-0.988386324868421,-0.983127999342105,-0.970171219605263,-  
0.990970119605263,-0.977491843421053,-0.971789046710526,-0.969269114078947,-  
0.966576631710526,-0.989138184473684,-0.987901463289474,-0.974305179605263,-  
0.966139218684211,-0.990430914078947,-0.989628012236842 27,WALKING,0.276849485438597,-  
0.0166478783221912,-0.112822289263158,-0.348475560526316,-0.187301214964912,-  
0.297318273508772,0.944759287368421,-0.187497034561404,-0.126210937305263,-  
0.979866136842105,-0.973792999824561,-  
0.956593490526316,0.0684331971807018,0.00161230290877193,-0.020752327245614,-  
0.316184021578947,-0.104090459225439,-0.401188539824561,-0.08558835714,-  
0.0365348163649123,0.118267750196491,-0.606860248596491,-0.529865057894737,-  
0.250120409298246,-0.0786163508824035,-0.0476974404561404,-0.0650247552701754,-  
0.523256879298246,-0.634105502807018,-0.426346962631579,-0.238853875263158,-  
0.407355787017544,-0.238853875263158,-0.407355787017544,-0.230500549298246,-  
0.266138940350877,-0.396638753684211,-0.482452355789474,-0.562587199473684,-  
0.618718628596491,-0.308702374385965,-0.13678354122807,-0.312372595438597,-  
0.365256349298246,-0.267741550175439,-0.345515217192982,-0.345482736842105,-  
0.194767362438597,-0.382617091578947,-0.346610413333333,-0.0655179027631579,-  
0.417957993859649,-0.498017935263158,-0.534724231403509,-0.318182379824561,-  
0.642349125614035,-0.530943838421053,-0.297847512280702,-0.327229405789474,-  
0.550392604912281,-0.259934013157895,-0.279732022017544,-0.519451704035088,-  
0.546888146491228,-0.623288199649123,-0.639242384210526  
27,WALKING\_UPSTAIRS,0.265770253921569,-0.0200953324078431,-0.123530438196078,-  
0.295439547254902,-0.0950104077,-0.23070787672549,0.868000278627451,-0.229278659607843,-  
0.294642640196078,-0.956433874705882,-0.947713378627451,-  
0.926675381176471,0.0734763532039216,-0.0140229374470588,0.0067467910745098,-  
0.468066189411765,-0.426833499411765,-0.633722935098039,-  
0.0940344886803922,0.00212499391686275,0.140129855776471,-0.562461004705882,-  
0.587966800588235,-0.169960785215686,-0.0937518711117647,-0.0509235220237255,-  
0.0629013722509804,-0.695774947647059,-0.711148438235294,-0.676876469411765,-  
0.160589355980392,-0.37994878627451,-0.160589355980392,-0.37994878627451,-  
0.479067422156863,-0.464610567058824,-0.286145719598039,-0.501775426447059,-  
0.699895090784314,-0.724671165490196,-0.417607401176471,-0.249688517843137,-  
0.418886395098039,-0.253504065686275,-0.0794059822941177,-0.197338870980392,-  
0.50311385627451,-0.44246561254902,-0.608544241568627,-0.47892337254902,-  
0.450116431176471,-0.657139420784314,-0.544369229411765,-0.594092579607843,-  
0.400528455490196,-0.574254281745098,-0.587869474313726,-0.183508696647059,-  
0.393928937058824,-0.468707734509804,-0.460770277843137,-0.473011558823529,-  
0.607667730196078,-0.523335975411765,-0.71917980372549,-0.751714312941177  
27,WALKING\_DOWNSTAIRS,0.2975441875,-0.0135564467159091,-  
0.112837694688636,0.167407531090909,-0.0979710029522727,-

0.240040783340909,0.931380178636364,-0.166938774772727,-0.140047614122727,-0.946975165,-  
0.934963993181818,-0.920921521590909,0.0936273220295455,0.0159869469363636,-  
0.00985034750909091,-0.00358338882727273,-0.138528104113636,-0.409310918409091,-  
0.159826551905227,-0.0163131590545455,0.152695027609091,-0.363722908386364,-  
0.481813367954545,-0.257846157386364,-0.0515814754272727,-0.0642023574227273,-  
0.0621043700545455,-0.493837613409091,-0.459459295681818,-  
0.307268262272727,0.108071382861364,0.121176277863636,0.108071382861364,0.12117627786363  
6,-0.115421210625,-0.0386367422818182,-0.164783206536364,-0.307952089840909,-  
0.440546586136364,-0.465807533547727,0.0829831545090909,-0.0626729573068182,-  
0.241600361090909,0.194912716568182,-0.17564706475,-0.303090701863636,-  
0.0437826262613636,-0.170975270611364,-0.343626396295455,-0.0522811342045455,-  
0.163243978431818,-0.474755492045455,-0.2966286115,-0.402132810611364,-0.144904904113636,-  
0.390968436431818,-0.543033246590909,-0.367816046590909,0.149816459227273,-  
0.071212004425,0.010857564025,-0.113625944990909,-0.359113724772727,-0.397984195568182,-  
0.46777776875,-0.502831373477273 27,SITTING,0.273941302571429,-0.0155269799285714,-  
0.105521912588571,-0.988580107714286,-0.971579125714286,-  
0.965858735142857,0.839464714,0.212947021371429,0.276417431042857,-0.982445738,-  
0.982553336571429,-0.967268066,0.0779038963571429,0.004670724222,-0.00611285425957143,-  
0.990658097857143,-0.985097470714286,-0.988904001571429,-0.0371830822285714,-  
0.0797345645214286,0.0833752812157143,-0.988492425142857,-0.982067465142857,-  
0.975713310142857,-0.0951635808,-0.0396410809285714,-0.0503883556285714,-  
0.993640318285714,-0.992226442142857,-0.991766787571428,-0.979481668857143,-  
0.969526674714286,-0.979481668857143,-0.969526674714286,-0.989467178285714,-  
0.989200539571429,-0.963565474,-0.970782132714286,-0.994034710714286,-0.992112829571429,-  
0.988682108428571,-0.974057855571429,-0.974665817,-0.988659196428572,-0.971266062714286,-  
0.963220672571429,-0.990839607428572,-0.985238583714286,-0.987087721142857,-  
0.991292270714286,-0.986083114,-0.989282516857143,-0.987207904714286,-0.984141119142857,-  
0.976848134285714,-0.988984618428571,-0.981037690285714,-0.977595519142857,-  
0.974766466714286,-0.970885296857143,-0.988773269428571,-0.988531651142857,-  
0.979482820857143,-0.970528266285714,-0.992390264285714,-0.991967776285714  
27,STANDING,0.279566921625,-0.016593236445,-0.107835818025,-0.9919515835,-0.955171419,-  
0.962408444875,0.965351492,-0.188504847375,-0.00557416876082625,-0.994012162875,-  
0.97964105225,-0.968169953625,0.074969980825,0.0122433312349875,-0.00137950299425,-  
0.987628362,-0.975829725,-0.987354788,-0.026731653905,-0.067507120075,0.07168414632375,-  
0.9699020075,-0.982498991125,-0.981281807,-0.0987605078625,-0.0417471753375,-  
0.051403918985,-0.9826424495,-0.990798007875,-0.9889703575,-0.972753287375,-0.9663601145,-  
0.972753287375,-0.9663601145,-0.985347620125,-0.98415908975,-0.968702956625,-0.965693334,-  
0.989532103875,-0.988819784,-0.99012181225,-0.961356141125,-0.97414624525,-0.99287582525,-  
0.954381606375,-0.958924794125,-0.987771749375,-0.97586868,-0.9851113755,-0.98860681,-  
0.977605582,-0.98820826225,-0.970149628875,-0.983731873,-0.980862493125,-0.970221836375,-  
0.98185775725,-0.983105048875,-0.973186182375,-0.967529105125,-0.984151646,-0.983022277625,-  
0.975525565625,-0.96540017025,-0.98941848275,-0.988579092 27,LAYING,0.274102492432432,-

0.0179867611216216,-0.107699732837838,-0.978455153108108,-0.983736043783784,-  
0.986636996081081,-0.530434604864865,0.567879494054054,0.84539238027027,-  
0.971183862702703,-0.993701742972973,-  
0.989056311351351,0.0766268551324324,0.0126491088851351,-0.000685549292837838,-  
0.986471899324324,-0.985159461756757,-0.989685146621622,-0.0195427328781081,-  
0.0957839566891892,0.118738360783784,-0.988837212162162,-0.98428747527027,-  
0.97837499972973,-0.101147695256757,-0.0362186160902703,-0.0642797849864865,-  
0.993503720810811,-0.993025877297297,-0.99329672054054,-0.982091652162162,-  
0.978920176216216,-0.982091652162162,-0.978920176216216,-0.988372773648649,-  
0.988586771351351,-0.96691759445946,-0.971915732837838,-0.994355043783784,-  
0.993484313243243,-0.980631846891892,-0.982915951891892,-0.987356589864865,-  
0.977615702567568,-0.984269087972973,-0.986582387972973,-0.986679572567568,-  
0.985257277297297,-0.988033129054054,-0.987477465405405,-0.986116008783784,-  
0.989901169864865,-0.987028539054054,-0.986795837297297,-0.979202019189189,-  
0.989382328918919,-0.983052318513514,-0.980096438108108,-0.981389017702703,-  
0.980296339054054,-0.988098902567568,-0.988174859594595,-0.979890667972973,-  
0.971806236756757,-0.993563778648649,-0.993552299324324 28,WALKING,0.281228223888889,-  
0.0156759722981481,-0.103714705396296,-0.293003522222222,-0.117886186425926,-  
0.300928395925926,0.942930275555556,-0.229316151481482,-0.125912861222222,-  
0.976693902592593,-0.968780859814815,-  
0.944225031851852,0.0931122231851852,0.0226486602722222,-0.00762915201666667,-  
0.335700184259259,-0.220123120851852,-0.537470471666667,-0.105896207861111,-  
0.0172822168012963,0.116065910925926,-0.503798624074074,-0.497684006666667,-  
0.242601384618519,-0.092974671262963,-0.0515394449611111,-0.0593552479814815,-  
0.399417082777778,-0.639018554444444,-0.440927899259259,-0.1806660203,-0.39269402,-  
0.1806660203,-0.39269402,-0.299223359444444,-0.390449724259259,-0.310775945814815,-  
0.460511661296296,-0.546248758518519,-0.579861194259259,-0.280062182962963,-  
0.127912276044444,-0.356337638518519,-0.298832423148148,-0.168789019540741,-  
0.326046195925926,-0.36260198037037,-0.294548344814815,-0.498754491111111,-  
0.367116416481482,-0.191757503603704,-0.574579748518519,-0.374681071666667,-  
0.50468173962963,-0.255029045018519,-0.545480217777778,-0.497470739444444,-  
0.308243390425926,-0.352156841666667,-0.511573670555556,-0.360811456296296,-  
0.436273009814815,-0.514602424814815,-0.516811574074074,-0.595965103703704,-  
0.589071730555556 28,WALKING\_UPSTAIRS,0.262005841764706,-0.0279443943478431,-  
0.121514025692157,-0.242062430294118,-0.146753877035294,-  
0.28598691372549,0.854508231764706,-0.333223996666667,-0.265207858431373,-  
0.944697800196078,-0.927641087843137,-  
0.900514013333334,0.0706831871117647,0.0222985408245098,0.00749081657058823,-  
0.312671655921569,-0.331602407372549,-0.637488941176471,-  
0.129362970764706,0.0212250958019608,0.103720987705882,-0.518818227843137,-  
0.479319521372549,-0.189306812833333,-0.080568055454902,-0.0492552129156863,-  
0.0752610437019608,-0.494282913529412,-0.690571101960784,-0.603568264117647,-



0.186240503960784,-0.211928666470588,-0.186240503960784,-0.211928666470588,-  
0.388086248235294,-0.325362338235294,-0.263415282690196,-0.476923344705882,-  
0.620279797647059,-0.670132120784314,-0.266101343372549,-0.190589069119608,-  
0.401732939215686,-0.233726643921569,-0.178554981115686,-0.281685159607843,-  
0.318866730039216,-0.358009373333333,-0.587813565294118,-0.37027368,-0.349026567647059,-  
0.68790763372549,-0.403636283921569,-0.522066500784314,-0.318210999529412,-  
0.556383410588235,-0.459989315686275,-0.22624337505098,-0.213519364760784,-  
0.334626168823529,-0.294433415745098,-0.374495907647059,-0.534835409607843,-  
0.528187016862745,-0.662505819411765,-0.70485275745098  
28,WALKING\_DOWNSTAIRS,0.293642076521739,-0.0220230465913043,-  
0.10858897408913,0.125712887943478,0.156496646504348,-  
0.341031811521739,0.929291680434783,-0.235897105217391,-0.121477255782609,-  
0.956921542391304,-0.948404212173913,-  
0.91705975,0.0972653457891304,0.0143450903413043,0.00123950141304348,-  
0.0167652227782609,0.0265530133695652,-0.427053261304348,-  
0.141096309502174,0.00710564286763044,0.138622425584783,-0.268106330991304,-  
0.259368686847826,-0.307025006304348,-0.0266492977565217,-0.0570410865136957,-  
0.077617393146087,-0.16394489726087,-0.424567878478261,-  
0.336212734130435,0.104359216580435,0.135465563932609,0.104359216580435,0.13546556393260  
9,-0.0707560279130435,-0.0418872609934783,-0.068246324026087,-0.22448414468913,-  
0.340417305565217,-0.407132335434783,0.0890721752173913,0.186441733869565,-  
0.308161634195652,0.137797082826087,0.065301199843913,-0.416940283043478,-  
0.0268676982326087,-0.0127039720456522,-0.365287434717391,-0.0980112293695652,-  
0.00175391954565217,-0.48848835173913,-0.0299969963043478,-0.217100157608696,-  
0.184392337071739,-0.345453346086957,-0.293108364565217,-  
0.416505886304348,0.188840007695652,-0.074058597676087,-0.0128823827326087,-  
0.0883598523695652,-0.223354793921739,-0.362903836717391,-0.396720714347826,-  
0.464722244347826 28,SITTING,0.276977629444444,-0.0185404441258333,-0.111517939555556,-  
0.983272806805556,-0.939905244861111,-0.936667245694444,0.907331309166667,-  
0.112596728361111,0.135402566816667,-0.989132499583333,-0.971766352361111,-  
0.956087679583333,0.0768671621527778,0.0148338232684722,0.000257854017638888,-  
0.976286679444445,-0.962219452777778,-0.976327426666667,-0.0339018030166667,-  
0.0673943850555556,0.087025401375,-0.979671983472222,-0.956316505972222,-0.9566328025,-  
0.0953935055833333,-0.0408007786402778,-0.0579015362166667,-0.982155662638889,-  
0.980713868611111,-0.971001691388889,-0.955789708611111,-0.947782703333333,-  
0.955789708611111,-0.947782703333333,-0.973274366805556,-0.970301646111111,-  
0.955175567083333,-0.951065984027778,-0.981213159305556,-0.978441918333333,-  
0.979820142638889,-0.946351650416667,-0.952226786666667,-0.984956708611111,-  
0.939885478333333,-0.9330454775,-0.976891804583333,-0.963054247083333,-0.972939551944445,-  
0.977786782222222,-0.96399042625,-0.978327769444445,-0.973724326388889,-  
0.963117633611111,-0.954180279027778,-0.98161514125,-0.953207017222222,-  
0.961561036111111,-0.953928124027778,-0.952281424444444,-0.969178686666667,-

0.970823336388889,-0.960297525,-0.953534292638889,-0.979465868888889,-0.97839537  
28,STANDING,0.277795069113924,-0.0172635124672152,-0.106579385202532,-0.977748638607595,-  
0.875689216835443,-0.905123824177215,0.948514848481013,-0.247656166582278,-  
0.0385830501632911,-0.990059426582279,-0.962801441898734,-  
0.951782181518987,0.0753131601898734,0.00907363218518987,-0.00267810077607595,-  
0.968604559620253,-0.933768175063291,-0.969765362025317,-0.0253281543540506,-  
0.0739001646962025,0.0865173111012658,-0.884032232405063,-0.940006320126582,-  
0.925491442911392,-0.102248409070886,-0.0431364662518987,-0.0525896252375949,-  
0.928343397721519,-0.972977006708861,-0.956497163670886,-0.92547165164557,-  
0.917658334177215,-0.92547165164557,-0.917658334177215,-0.959551987468354,-  
0.954068391518987,-0.894242469620253,-0.876917545696202,-0.959681019113924,-  
0.956266480126582,-0.97251980164557,-0.893430392658228,-0.934503028481013,-0.98026749,-  
0.87446926556962,-0.897600800886076,-0.968513715189873,-0.93516897835443,-  
0.964751238734177,-0.971672796708861,-0.936991280253165,-0.973572051898734,-  
0.880426103164557,-0.948160785316456,-0.926655192405063,-0.886706768227848,-  
0.936101609113924,-0.932039083037975,-0.929146479367089,-0.923857158227848,-  
0.952727765189873,-0.954963155316456,-0.909652436329114,-0.878459662025317,-  
0.958758576835443,-0.955983424556962 28,LAYING,0.2759134825,-0.0167537858225,-  
0.1083448529625,-0.9688882955,-0.945386780375,-0.956450342875,-  
0.490334541875,0.1440732745,0.0157570025,-0.970599089375,-0.9697590285,-  
0.97912466575,0.0780770644,0.005939923320625,0.006009719386425,-0.9801647165,-  
0.97867953975,-0.973071655875,-0.017367705735,-0.097448733725,0.09357912315,-  
0.95516227975,-0.960057463625,-0.96237491175,-0.1045116270375,-0.03560100499625,-  
0.05345019146375,-0.9608029485,-0.98039978225,-0.981418916,-0.95811223025,-0.9545740295,-  
0.95811223025,-0.9545740295,-0.978455341875,-0.973312647875,-0.93710692125,-0.928940913375,-  
0.978220270625,-0.96977327725,-0.9739308675,-0.958436369,-0.961115672375,-0.967324863875,-  
0.94200397775,-0.956770904875,-0.980013419,-0.978094827375,-0.970251565375,-0.98220590125,-  
0.981117467,-0.974530843125,-0.946804234625,-0.9658244555,-0.961164844875,-0.958092114,-  
0.957552988125,-0.966312024,-0.961035587625,-0.95756401875,-0.9734362485,-0.972336128625,-  
0.944218369375,-0.931675004125,-0.971830582375,-0.96931982125  
29,WALKING,0.271999916792453,-0.0162915600588679,-0.106632427301887,-0.174337940226415,-  
0.0917540612869811,-0.242828038264151,0.96237438509434,-  
0.127318078679245,0.0955792142264151,-0.978253538867925,-0.975272848113208,-  
0.945981437169811,0.0853743348528302,0.0223870454150943,0.00941547304716981,-  
0.22143354279434,-0.087174644469434,-0.461758009811321,-0.00795668167188679,-  
0.081960153154717,0.0856852236188679,-0.598868670943396,-0.181802636566038,-  
0.430232441132076,-0.10688830318283,-0.0479898124113208,-0.0392368986679245,-  
0.395909621509434,-0.587944298490566,-0.504130088679245,-0.0955213393716981,-  
0.262695063584906,-0.0955213393716981,-0.262695063584906,-0.240231677415094,-  
0.133036273622642,-0.28057326754717,-0.358814096603774,-0.506242118113208,-  
0.612222937169811,-0.135819505761321,-0.0349642325433962,-0.279734839433962,-  
0.190355976849057,-0.182068539584906,-0.283348100981132,-0.210469887150943,-

0.0880213408433962,-0.394877826981132,-0.307336669773585,-0.155020660771698,-  
0.529034897169811,-0.431490048490566,-0.362232316226415,-0.397277495471698,-  
0.654313559056604,-0.0941359695075472,-0.494117483018868,-0.235683305566038,-  
0.393257505471698,-0.108978206490566,-0.169506499226415,-0.416817853396226,-  
0.429156830566038,-0.628501115849057,-0.61866772264151  
29,WALKING\_UPSTAIRS,0.265423066877551,-0.0299465312326531,-0.118000587840816,-  
0.0867715569693877,-0.122128287642857,0.0995443502346939,0.929258953877551,-  
0.227120125306122,0.0443786011771429,-0.954189013061225,-0.923007798367347,-  
0.858849467142857,0.106345193353878,-0.000689019191836735,-0.0290713871612245,-  
0.182365815065306,-0.388624195510204,-0.678763766530612,0.0931989463020408,-  
0.152328112210204,0.0854318123467347,-0.323904731622449,0.0461103045102041,-  
0.37481514122449,-0.130429072653061,-0.0511035119816327,-0.0680938780306123,-  
0.474932606326531,-0.73422519244898,-0.558417024081633,0.00834360271428571,-  
0.0414696051693878,0.00834360271428571,-0.0414696051693878,-0.344324833061225,-  
0.254485176020408,0.0439627677608163,-0.0800476153673469,-0.617340803061225,-  
0.712846318367347,-0.109793480008163,-0.196011503540816,-0.320487882857143,-  
0.0790625306306123,-0.14125806657755,0.203057836877551,-0.225067771046939,-  
0.408886605510204,-0.646198587755102,-0.211385397877551,-0.408648946938776,-  
0.710116591836735,-0.260519290404082,-0.39404534122449,-0.34170013244898,-  
0.350338205020408,0.234346783653061,-0.444153056530612,-0.108306402963265,-  
0.155993755897959,-0.239108046693878,-0.280583556530612,-0.357213897032653,-  
0.074331469755102,-0.697454553061225,-0.756464186122449  
29,WALKING\_DOWNSTAIRS,0.293140441083333,-0.01494121505625,-  
0.0981339984895833,0.167383602458333,-0.12246346700625,-0.223177999879167,0.948486215,-  
0.0760962952291667,0.0919650454166667,-0.9417361925,-0.91390306375,-  
0.869300904791667,0.0636871965479167,0.000621016968750005,-0.0140642983104167,-  
0.023952574044375,-0.07734083835625,-0.478764185,-0.0374126070957292,-  
0.0851045889895833,0.0822244074666667,-0.282077257508333,-0.390460137708333,-  
0.311122615416667,-0.0743986469979167,-0.0671482305364583,-0.0359648430270833,-  
0.347807556958333,-0.693469035833333,-  
0.379769406458333,0.103705165666667,0.1344811501875,0.103705165666667,0.1344811501875,-  
0.138637624454167,-0.0307693372041667,-0.122968108816667,-0.26740979843125,-  
0.539174456458333,-0.59705704875,0.110663200244167,-0.02122937175,-  
0.266692150208333,0.187438624270833,-0.239349053641667,-0.262073242045833,-  
0.0382458213333333,-0.0977850659541667,-0.411173451875,-0.0986379156229167,-  
0.120381521220833,-0.547320886875,-0.18941800145,-0.463125032083333,-0.199225894479167,-  
0.319123137947917,-0.354872689583333,-0.416165845833333,0.115973968158333,-  
0.0330868111229167,0.000448896304791667,-0.0797714324854167,-0.381459881875,-  
0.323024575098542,-0.596578626041667,-0.626675982083333 29,SITTING,0.2771799775,-  
0.016630680375,-0.1104118192,-0.9907450195,-0.963222497833333,-  
0.968063878166667,0.891563755166667,0.1556594569,0.286256063666667,-0.984679151833333,-  
0.973604289833333,-

0.966032045333333,0.0745438102516667,0.00598531404666667,0.003167700952,-  
0.993525560333333,-0.9840551,-0.990168733,-0.0379271112333333,-  
0.0755797672133333,0.0580495969166667,-0.990178704833333,-0.988334019666667,-  
0.971227991666667,-0.0953636995833333,-0.040001843485,-0.047000897695,-0.9933220295,-  
0.995319164666667,-0.9928337675,-0.978017021833333,-0.9692903165,-0.978017021833333,-  
0.9692903165,-0.990719807666667,-0.990531729333333,-0.962377332166667,-0.971578024666667,-  
0.995392308166667,-0.994905344,-0.991093963666667,-0.969609501666667,-0.975623030833333,-  
0.990617521,-0.961693949333333,-0.965800974333333,-0.993445760166667,-0.983883193,-  
0.988470241,-0.9942201755,-0.985493318833333,-0.990445861666667,-0.988393569,-  
0.990329245333333,-0.9739335945,-0.990727755166667,-0.987259808666667,-0.972912517166667,-  
0.973346531833333,-0.971218019833333,-0.990093703833333,-0.989822909333333,-  
0.980269425833333,-0.971011373,-0.995063049,-0.994742028 29,STANDING,0.277965065846154,-  
0.0172605869061538,-0.108659067476923,-0.996068635384615,-0.969295721076923,-  
0.980207488923077,0.974508732,-0.05848715356,0.0316145849747692,-0.996764227384615,-  
0.985134032307692,-  
0.984464543538462,0.0753052530307692,0.0115104978664615,0.000332894985246154,-  
0.993652820615385,-0.983338157846154,-0.990593859692308,-0.0276075573307692,-  
0.0721060679123077,0.0827583768461539,-0.977994819846154,-0.990364876307692,-  
0.983368643230769,-0.0988701505538462,-0.0405110578461539,-0.0544926306307692,-  
0.983293061692308,-0.995533113076923,-0.990685705384615,-0.984745318923077,-  
0.981745712923077,-0.984745318923077,-0.981745712923077,-0.990785419538462,-  
0.990495689538461,-0.980657340461538,-0.975358665384615,-0.992144698923077,-  
0.991453632153846,-0.995024039692308,-0.973345770461538,-0.984096024769231,-  
0.996604570307692,-0.968278553076923,-0.978802973692308,-0.993736906,-0.983194980615385,-  
0.988541579384615,-0.994123423538461,-0.984782782307692,-0.991316374615385,-  
0.974485449538462,-0.991586674,-0.983654714461538,-0.979162564923077,-0.989643721230769,-  
0.984714226461539,-0.984548094769231,-0.982247716,-0.989793892615385,-0.990327934615385,-  
0.980879722923077,-0.975938728769231,-0.991672052,-0.991516778307692  
29,LAYING,0.287295196811594,-0.0171965484202899,-0.109462068173913,-0.984219555507246,-  
0.990240946666667,-0.987255149855072,-  
0.346789842753623,0.807535373478261,0.590452224057971,-0.972939889855073,-  
0.99424764884058,-  
0.98577817826087,0.0718861195971015,0.0116912059556522,0.00241542784130435,-  
0.99200598942029,-0.989513565652174,-0.993288313333333,-0.0258281004782609,-  
0.0761814357028986,0.127411971652174,-0.994276591304348,-0.992750957826087,-  
0.97499461942029,-0.0995339880724638,-0.0386768295072464,-0.0674469666086957,-  
0.99654254057971,-0.997081575652174,-0.995380794637681,-0.986493196666667,-  
0.981572147681159,-0.986493196666667,-0.981572147681159,-0.992725367826087,-  
0.994646916811594,-0.971923623043478,-0.977040093043478,-0.997322526811594,-  
0.997666071594203,-0.986626999275362,-0.989034304057971,-0.989473926666667,-  
0.983432309130435,-0.990680395362319,-0.986378776086956,-0.992153982028985,-  
0.989398823913043,-0.992018447826087,-0.99254347826087,-0.990468082753623,-

0.993107759855073,-0.99312260884058,-0.993696336521739,-0.976184322608696,-  
0.994652185217391,-0.992240785652174,-0.976858964492754,-0.986800645362319,-  
0.981599783623188,-0.993998275797101,-0.994366667681159,-0.98400134173913,-  
0.976679046231884,-0.997617389275362,-0.99758523057971 30,WALKING,0.276406758,-  
0.0175880385730769,-0.0986247068969231,-0.346394275230769,-0.173550021692308,-  
0.120476783907692,0.965217551076923,-0.157673823846154,-0.00392556384476923,-  
0.979752466923077,-0.970176562153846,-0.943958420615385,0.0688689970184615,0.0219656545,-  
0.00739534236,-0.374400941384615,-0.270709274446154,-0.521351855076923,-  
0.0459505355861539,-0.0649170927338462,0.0839568239261539,-  
0.387920593846154,0.00600277892,-0.182569652430769,-0.0873839917276923,-  
0.0617028868769231,-0.0446007229941538,-0.460345386153846,-0.497621802307692,-  
0.476208796153846,-0.195140032969231,-0.359873411538462,-0.195140032969231,-  
0.359873411538462,-0.352111713846154,-0.353751020923077,-0.0229640797463077,-  
0.266845731292308,-0.472068729846154,-0.546977272307692,-0.351402910907692,-  
0.193856663907692,-0.309558882615385,-0.344928112461538,-0.215634315369231,-  
0.0931447617846154,-0.389595631107692,-0.299525343907692,-0.467030710153846,-0.415135398,-  
0.289466095323077,-0.575410267076923,-0.374440300461538,-0.175900924040154,-  
0.247350343692308,-0.399032346,0.0955456046230769,-0.237941473615385,-0.342363772923077,-  
0.469852794923077,-0.347180134692308,-0.366537416615385,-0.358344356,-0.331541740923077,-  
0.547621753230769,-0.578580044615385 30,WALKING\_UPSTAIRS,0.271415642261538,-  
0.0253311698786154,-0.124697493775385,-0.350504475230769,-  
0.127311157607692,0.0249468034966154,0.93182983,-0.226647292153846,-0.0221401100714154,-  
0.954033624307692,-0.914933936,-0.862402791230769,0.0579840372876923,-  
0.00358719228769231,0.0161506198923077,-0.535420203384615,-0.587214542923077,-  
0.761942025384616,-0.00355974576923077,-0.0779606464676923,0.0814699303289231,-  
0.493837520761539,-0.0840481513184615,-0.211573579892308,-0.108414261326154,-  
0.0141113353615385,-0.0364157841384615,-0.742749529538462,-0.743336958461538,-  
0.665150619230769,-0.137627857227385,-0.327410815861539,-0.137627857227385,-  
0.327410815861539,-0.596600099538462,-0.561837706461538,-0.113608367276923,-  
0.169293534323077,-0.718780256769231,-0.774439096769231,-0.420402828153846,-  
0.297813768569231,-0.36751984,-0.326260358153846,-0.104299180318462,0.121447414920923,-  
0.55067842,-0.592919440769231,-0.737803881230769,-0.561565206615385,-0.610826602,-  
0.78475388,-0.488039003123077,-0.366058433230769,-0.318937001538462,-  
0.503484236964615,0.0449545535584615,-0.253427074984615,-0.400588353846154,-  
0.394508080769231,-0.549784890615385,-0.580878133230769,-0.449150735076923,-  
0.151472278383077,-0.773974451846154,-0.791349425076923  
30,WALKING\_DOWNSTAIRS,0.283190646967742,-0.0174383900204839,-0.0999781422322581,-  
0.0577703163548387,-0.0272628077709677,-0.217275690290323,0.958000491451613,-  
0.126710371903226,0.0288081674653226,-0.958890388709677,-0.918678752419355,-  
0.87766706,0.0883933037048387,-0.00756110754193549,-0.0118301423032258,-  
0.226643901120968,-0.194656096556452,-0.467070153387097,-0.0745591301759677,-  
0.0693112411951613,0.0895767797064516,-0.265923160895161,-0.285392416354839,-

0.29537036283871,-0.0615954583870968,-0.0496807640258065,-0.0543595229322581,-  
0.542764507096774,-0.613796303064516,-0.498882854032258,-0.0373901122469355,-  
0.0135771208822581,-0.0373901122469355,-0.0135771208822581,-0.293738801622581,-  
0.125283184512903,-0.095537320533871,-0.208267542032258,-0.574337006451613,-  
0.617662073548387,-0.106966957087097,-0.0216637054241935,-0.25806736666129,-  
0.0405257091567742,-0.0934682613774194,-0.257393372287097,-0.234923146633871,-  
0.224992780432258,-0.399688694032258,-0.289802729403226,-0.217432019258065,-  
0.535515048387097,-0.263061628069355,-0.348065119677419,-0.263720763854839,-  
0.278386596338226,-0.255732054951613,-0.371541476129032,0.00410151034354839,-  
0.178535173268548,-0.125961400367742,-0.133124304612577,-0.356772347348871,-  
0.252361882572581,-0.617578814032258,-0.645503942419355 30,SITTING,0.268336081379032,-  
0.00804731295322581,-0.099515446133871,-0.983622744193548,-0.937857000806452,-  
0.950654041290323,0.825473836935484,0.114588392624871,0.34476602,-0.978364712258065,-  
0.959361306774193,-0.956635663064516,0.0760057731790323,0.00975692523887097,-  
0.00278161828080645,-0.988864577419355,-0.980420928387097,-0.988164381290323,-  
0.0358426482048387,-0.074353558416129,0.0702002598387097,-0.988132669516129,-  
0.976477561935484,-0.955053200806452,-0.095270767516129,-0.0407930587264516,-  
0.0488204595806452,-0.993868545483871,-0.992491322903226,-0.988124495645161,-  
0.957487221451613,-0.942901466612903,-0.957487221451613,-0.942901466612903,-  
0.987799055645161,-0.98605764,-0.955847323870968,-0.960641288225806,-0.993737388225806,-  
0.991280225,-0.985008785,-0.954076042258064,-0.966274090645161,-0.983231005483871,-  
0.933992577903226,-0.946203823387097,-0.988775436451613,-0.980405717258065,-  
0.985978315322581,-0.990017564516129,-0.981902116451613,-0.988971211935484,-  
0.987034626451613,-0.982005883387097,-0.961177109516129,-0.988484803225806,-  
0.973804950806452,-0.95730868516129,-0.959923388064516,-0.943543732580645,-  
0.985826330967742,-0.985294959032258,-0.973876282903226,-0.959513937258065,-  
0.991750682096774,-0.990946424516129 30,STANDING,0.277112699152542,-0.0170163887813559,-  
0.108756209835593,-0.977559426949153,-0.891654527118644,-  
0.912850596949152,0.968556705084746,-0.100296804186441,0.0243044362542373,-  
0.996420919152542,-0.95814576338983,-  
0.949207368305085,0.0752414472033898,0.0120860416340678,0.00190841458130509,-  
0.968430745254237,-0.957318881355932,-0.968897316101695,-0.0276138535389831,-  
0.0670334379830509,0.0802514754237288,-0.911408517966102,-0.94070541220339,-  
0.93083468440678,-0.0997160228220339,-0.0437759700423729,-0.0520307176474576,-  
0.960119074237288,-0.968135006271186,-0.970845670677966,-0.930573574915254,-  
0.916570441355932,-0.930573574915254,-0.916570441355932,-0.971225190169491,-  
0.950762271186441,-0.913890564915254,-0.887247636779661,-0.972995273898305,-  
0.955995671864407,-0.972014050847458,-0.919475121186441,-0.938089774915254,-  
0.980426575762712,-0.885572781694915,-0.907286793050847,-0.967857589322034,-  
0.957434887457627,-0.962892627966102,-0.972216728644068,-0.960442360508475,-  
0.973954338305085,-0.915742855084746,-0.945628836949153,-0.937798124576271,-  
0.911718163220339,-0.939469774067797,-0.935176884915254,-0.932047450677966,-

0.921733233050847,-0.953357615932203,-0.946639846949153,-0.917449417288136,-  
0.888872227966102,-0.959242165084746,-0.955008564237288 30,LAYING,0.281033900571429,-  
0.0194494098614286,-0.1036581505,-0.976362515428571,-0.954201823857143,-  
0.967044236428571,-0.344737755285714,0.732661247714286,0.681459210714286,-  
0.979563942714286,-0.988930714857143,-  
0.983274524857143,0.0752196666428571,0.0107680190087143,-0.000374189681428571,-  
0.977463775571429,-0.971049778142857,-0.979517896142857,-0.0267812218571429,-  
0.0761476351714286,0.0938472163142857,-0.973662822428571,-0.966041673,-0.968889156142857,-  
0.102277358585714,-0.0384875867528571,-0.0595736770285714,-0.983775833714286,-  
0.980357062142857,-0.980768874571429,-0.969829984285714,-0.960167907285714,-  
0.969829984285714,-0.960167907285714,-0.97923282,-0.969642290285714,-0.962284921142857,-  
0.951264441,-0.985086413428571,-0.976177142571428,-0.974789999285714,-0.959974274571429,-  
0.970321991714286,-0.977045260571429,-0.9535584,-0.967188198571429,-0.976887901571429,-  
0.971696279857143,-0.975632420428571,-0.980350748142857,-0.972434196714286,-  
0.982281553142857,-0.971789052714286,-0.968170332428571,-0.967577361142857,-  
0.974488400714286,-0.965134152428572,-0.972199238,-0.962840820428571,-0.964051810714286,-  
0.969949269571429,-0.968087778,-0.962001199,-0.952644449285714,-0.977821335571429,-  
0.975481548714286