

```
"subject" "activity" "tBodyAcc-mean()-X_mean" "tBodyAcc-mean()-Y_mean" "tBodyAcc-mean()-Z_mean" "tBodyAcc-std()-X_mean" "tBodyAcc-std()-Y_mean" "tBodyAcc-std()-Z_mean"
"tGravityAcc-mean()-X_mean" "tGravityAcc-mean()-Y_mean" "tGravityAcc-mean()-Z_mean"
"tGravityAcc-std()-X_mean" "tGravityAcc-std()-Y_mean" "tGravityAcc-std()-Z_mean"
"tBodyAccJerk-mean()-X_mean" "tBodyAccJerk-mean()-Y_mean" "tBodyAccJerk-mean()-Z_mean"
"tBodyAccJerk-std()-X_mean" "tBodyAccJerk-std()-Y_mean" "tBodyAccJerk-std()-Z_mean"
"tBodyGyro-mean()-X_mean" "tBodyGyro-mean()-Y_mean" "tBodyGyro-mean()-Z_mean" "tBodyGyro-std()-X_mean" "tBodyGyro-std()-Y_mean" "tBodyGyro-std()-Z_mean" "tBodyGyroJerk-mean()-X_mean" "tBodyGyroJerk-mean()-Y_mean" "tBodyGyroJerk-mean()-Z_mean" "tBodyGyroJerk-std()-X_mean" "tBodyGyroJerk-std()-Y_mean" "tBodyGyroJerk-std()-Z_mean" "tBodyAccMag-mean()_mean" "tBodyAccMag-std()_mean" "tGravityAccMag-mean()_mean" "tGravityAccMag-std()_mean" "tBodyAccJerkMag-mean()_mean" "tBodyAccJerkMag-std()_mean" "tBodyGyroMag-mean()_mean" "tBodyGyroMag-std()_mean" "tBodyGyroJerkMag-mean()_mean" "tBodyGyroJerkMag-std()_mean"
"fBodyAcc-mean()-X_mean" "fBodyAcc-mean()-Y_mean" "fBodyAcc-mean()-Z_mean" "fBodyAcc-std()-X_mean" "fBodyAcc-std()-Y_mean" "fBodyAcc-std()-Z_mean" "fBodyAccJerk-mean()-X_mean" "fBodyAccJerk-mean()-Y_mean" "fBodyAccJerk-mean()-Z_mean" "fBodyAccJerk-std()-X_mean" "fBodyAccJerk-std()-Y_mean" "fBodyAccJerk-std()-Z_mean" "fBodyGyro-mean()-X_mean" "fBodyGyro-mean()-Y_mean" "fBodyGyro-mean()-Z_mean" "fBodyGyro-std()-X_mean" "fBodyGyro-std()-Y_mean" "fBodyGyro-std()-Z_mean" "fBodyAccMag-mean()_mean" "fBodyAccMag-std()_mean" "fBodyBodyAccJerkMag-mean()_mean" "fBodyBodyAccJerkMag-std()_mean" "fBodyBodyGyroMag-mean()_mean" "fBodyBodyGyroMag-std()_mean" "fBodyBodyGyroJerkMag-mean()_mean" "fBodyBodyGyroJerkMag-std()_mean"
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 -0.0695300462115789 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" 0.255461689622641 -0.0239531492643396 -0.0973020020943396
-0.35470802509434 -0.00232026501698113 -0.0194792388471698 0.89335109754717
-0.362153364339623 -0.075402939754717 -0.956367027924528 -0.952849233207547
-0.912379410377358 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 -0.0621199585938775 -0.950559811632653 -0.937018658979592
-0.895939695102041 0.0541553164897959 0.0296504490408163 -0.0109719730183673
-0.012283860544898 -0.101601390640816 -0.345735032326531 -0.0350781902989796
-0.0909371290204082 0.0900850142030612 -0.458030542938775 -0.126349194938775
-0.124702454242857 -0.0739592036271429 -0.0439902783367347 -0.0270461061061224
-0.487027342244898 -0.238824827530612 -0.268761480242857 0.0271882914106122
0.0198843506265306 0.0271882914106122 0.0198843506265306 -0.0894474807979592
```

-0.0257877197081633 -0.0757412543673469 -0.225724368061224 -0.295463843346939  
-0.306510645530612 0.0382291831510204 0.00154990783591837 -0.22574471693878  
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 -0.986053092340425 -0.987492994468085 -0.982513909574468  
-0.988339184893617 -0.976161464042553 -0.975838585319149 -0.951315544468085  
-0.977904227021277 -0.962345042553192 -0.94391784106383 -0.947782922553192  
-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 -0.992251177358491 -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 -0.985356361132075  
-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 0.91301733338983 -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 -0.453806369830508 -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  
0.0463666814446808 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 0.215586334889362 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  
0.22247409576596 0.227480732542553 -0.320838543553191 -0.372576755361702 -0.380175306489362  
-0.343698985425532  
2 "SITTING" 0.27708735173913 -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  
-0.982841446481482 -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 -0.946433583518518  
-0.980973241666667 -0.970851337962963 -0.979775152037037 -0.983007923703704  
-0.973520241111111 -0.984599905185185 -0.967037112037037 -0.972576152962963  
-0.960627696111111 -0.97498812462963 -0.97103605037037 -0.969754295740741 -0.964052166481482

-0.960519381481482 -0.977065295555556 -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  
-0.566135217931034 -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 -0.437845763793103 -0.561526265344828  
-0.418126217413793 -0.615121369827586 -0.568888673448276 -0.545896388103448  
-0.290031535172414 -0.456373080862069 -0.186764516965517 -0.0898519904044828  
-0.569755772241379 -0.632643292931034 -0.607751646034483 -0.549087007931034  
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 -0.285333024050847 -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 -0.315866079491525 -0.447994369152542 -0.412920898474576  
-0.48060920220339 -0.514211583728814 -0.445181802430508 -0.716877778644068  
-0.740033436271186  
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 -0.571735243061224 -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 -0.389723034061224 -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 -0.953631390961538  
-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  
-0.976772675961538 -0.970154440961538 -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 -0.968433747868853  
-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 -0.957666856721311 -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  
-0.980513202258064 -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 -0.20990000063  
-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 -0.923376019038462  
-0.919619453269231 0.0560971909634615 0.0234018993153846 0.00340280836730769  
-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 -0.483548693461538 -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 -0.00729137766444444 -0.145759708684667  
-0.146242294857778 -0.626646986888889 -0.102838822533333 -0.070402595233333 0.05926394948  
-0.370244695288889 -0.699453537111111 -0.498480800444444 -0.0921282734666667  
-0.0348434913444444 -0.0492836435688889 -0.395995494444444 -0.816858240222222  
-0.325780073711111 -0.0491616726733333 -0.081955904111111 -0.0491616726733333  
-0.081955904111111 -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 -0.717545840444444 -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 -0.885144317678571  
-0.967614073928571 -0.964282784285714 -0.973497549642857 -0.889549205 -0.93164342125  
-0.978737637678571 -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  
-0.956139283571429 -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 0.093449421777778  
0.00693313213968519 -0.00641054328740741 -0.978302781111111 -0.942209488333333  
-0.978511984259259 -0.00923156347222222 -0.0930128180759259 0.169720404092593  
-0.973102422222222 -0.961109291851852 -0.962073755 -0.105019877685185 -0.0381230432222222

-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 -0.938833744444444  
-0.967504278888889 -0.952464881481481 -0.946380971111111 -0.962154454259259  
-0.978542457407407 -0.943969987222222 -0.975383329444444 -0.980079292592593  
-0.944366881666667 -0.980261236296296 -0.967203736481482 -0.972187839074074  
-0.961479262592593 -0.975094739444444 -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  
0.0767484028053571 -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 -0.529392790178571  
-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 -0.0325269755153191 -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 -0.443342262340426 -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 0.956649352553192  
-0.0607578318319149 0.0216777910246191 -0.950490938510638 -0.912363420851064  
-0.927192732978723 0.109650600459574 0.0137618233808511 0.0213397664446809  
0.0322415501638298 0.0473612314702128 -0.52265163787234 -0.068294569906383  
-0.0707805998787234 0.0806559989574468 -0.46064684487234 -0.409134149148936  
-0.227869042382979 -0.110149008255319 -0.0708296588478723 -0.0399656935617021  
-0.411302217446809 -0.514591487234043 -0.0344217467042553 0.211138853638298  
0.205422375957447 0.211138853638298 0.205422375957447 -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 -0.487128422553191  
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  
-0.00278773346136363 0.00338609594827273 -0.975204850227273 -0.952786261136364  
-0.973436529545455 -0.0422355209795455 -0.0835484079545455 0.0823934451590909 -0.966225485  
-0.950064068181818 -0.940637937045455 -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  
-0.977450812045455 -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  
-0.934746865454545 -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  
-0.963832118928571 -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 -0.947970723571429  
-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 -0.985419368461538  
-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 -0.977257800961538  
-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 -0.964248568070175 -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 -0.364708342315789 -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  
-0.0501350188513725 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  
-0.0652024492378431 -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 -0.440079851313725  
-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 -0.00932470617291667 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 0.333754731458333 0.373611914166667 0.10384507225  
0.209502174375 0.0142677821595833 -0.0426276750979167 -0.082936685416667 -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 2.55649800000023e-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 -0.971488767454545 -0.946880042  
-0.961636555090909 -0.939671400545455 -0.943857393090909 -0.934764895454545  
-0.963407046545455 -0.944901470363636 -0.947326797818182 -0.935750391272727  
-0.939547202909091 -0.948348653636364 -0.947304700363636 -0.929725679272727  
-0.929549141636364 -0.952034566 -0.951196693454545  
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 -0.00481712245438596 -0.973132635789474  
-0.949362277017544 -0.967547241754386 -0.028251913022807 -0.0589823639438597  
0.0767394745964912 -0.947561298596491 -0.94248658631579 -0.947782155964912  
-0.103292534210526 -0.0428828304736842 -0.0506432189438596 -0.946423593157895  
-0.962422163684211 -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  
-0.0424104289992982 -0.0717774743859649 -0.939611608245614 -0.958628819649123  
-0.959579071578947 -0.918878850824561 -0.897326245964912 -0.918878850824561  
-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 -0.935717452807018 -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  
-0.955504654561404  
7 "WALKING" 0.275592961754386 -0.018653665345614 -0.110912234947368 -0.327243240701754  
-0.0772618561052631 0.159631283261403 0.932566472280702 -0.159097003684211  
-0.160846924029807 -0.979851271403509 -0.969404155087719 -0.952159770526316  
0.0901462649192983 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  
-0.174136410738596 -0.458302971403509 -0.0978090439438596 -0.198554708385965  
-0.0978090439438596 -0.198554708385965 -0.192948900438596 -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 -0.341025552941176 -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 0.214544028088723  
-0.170319619372979 0.0901836280510638 -0.18874081887234 -0.259751603446809  
-0.399229959148936 -0.29477867693617 0.0443428315319149 -0.145302311446808  
-0.139216222106383 0.0730110797851064 -0.190187141297872 -0.100121492529787  
-0.0305226686191489 -0.316236510319149 -0.296494902765957 -0.00426289144680851  
-0.324378560319149 -0.397774503468085 -0.33930147 -0.21444307293617 -0.299600267680851  
-0.432730974446809 -0.351717743191489 -0.495120053191489 0.218911066191489  
0.0214440976893617 0.067389886106383 0.107856840302128 -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 -0.8978707535 -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 -0.979307570377358  
-0.923400921886792 -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 -0.0774336443396226  
0.0851045000566038 -0.945247687358491 -0.949646946792453 -0.951630777358491  
-0.0901539662169811 -0.0412797611886792 -0.0545390015471698 -0.96598339754717  
-0.976837757358491 -0.978166790943396 -0.942724659245283 -0.933590156792453  
-0.942724659245283 -0.933590156792453 -0.973381306226415 -0.968566356037736  
-0.943425564528302 -0.918438958867924 -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  
-0.969092161886792 -0.93870498490566 -0.919848139056604 -0.973671168679245  
-0.971899418301887  
7 "LAYING" 0.250176694038462 -0.0204411516884615 -0.101361036576923 -0.93651361  
-0.926262668653846 -0.952978365961539 -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 -0.974117912115385  
-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 0.0703393490833333  
-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  
-0.15544567414878 -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  
-0.46327057804878 -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 -0.0867903297078947 -0.267887897328947 -0.0704526510842105 -0.1896044435  
0.176599311818421 0.131337867236842 0.176599311818421 0.131337867236842 0.262628490268421  
0.2534082561 0.0993429744078947 -0.0466291872078947 -0.126189142894737 -0.157484866842105  
0.136590199860526 0.388412779763158 0.159589756534211 -0.0260463260078947 0.232184078052632  
0.0214914840105263 0.214841402815789 0.220639687868421 0.0586096890447368 0.172658982065789  
0.273943791773684 -0.0846674186842105 -0.13074045236842 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 -0.96892443326087 -0.962632253913044  
-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 -0.950362935555556  
-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  
-0.96608757462963 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 -0.975959911481481  
-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 -0.318801022711538  
-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 0.90264777755102  
-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 -0.0236327911183673 -0.660419534285714  
-0.708604774693878 -0.65711420122449 -0.260727581428571 -0.400222037142857  
-0.260727581428571 -0.400222037142857 -0.440667540204082 -0.445485397959184  
-0.0833234490061224 -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 -0.16554554220408 -0.372890348979592 -0.509929461428571  
-0.419533108571429 -0.484935752040816 -0.531482693877551 -0.456841325204082  
-0.734159449387755 -0.787781590816326  
9 "WALKING\_DOWNSTAIRS" 0.295923445 -0.0203994269075476 -0.0910278793952381 0.213392270547619  
-0.208310705504762 -0.00771530035714285 0.938417773333333 -0.0352304645104762  
-0.082276174942619 -0.952141220714286 -0.936306558809524 -0.876641297380952  
0.130193043809524 -0.0206865965952381 0.00262568854761905 0.017623342197619 -0.3094424725  
-0.359513362761905 -0.0916383011071429 -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 0.265120131365238  
-0.16237608927619 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  
-0.364282569714286 -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 -0.972573867555556 -0.932245295111111 0.0760032053555556  
0.0130699796066667 -0.004700785502 -0.969973398888889 -0.963849332888889 -0.970584264666667  
-0.029183136346 -0.060810158296 0.099240933222222 -0.921990612 -0.946046640444444  
-0.939889737333333 -0.095897704 -0.0419199574333333 -0.0575743131488889 -0.949105691555556  
-0.975036530444444 -0.969726483555556 -0.945167482444444 -0.936105010444444  
-0.945167482444444 -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 -0.924738576444444 -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  
0.0750804952113207 -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 -0.959216072340425 -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" 0.290401594315789 -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  
0.223275806105263 -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  
0.156998205421053 0.0507010228431579 0.110877231263158 -0.0238468037578947  
-0.280382850552632 -0.401854311315789 -0.494105756315789 0.215665273157895  
0.00904660360263158 -0.157728357742105 0.324957743157895 -0.0633337717526316  
-0.268686170263158 0.181419131002632 -0.119504295573684 -0.240679035428947 0.156912678626316  
-0.153355802565789 -0.396147929736842 -0.214350280079211 -0.272495710342105  
0.0391366814342105 -0.339514358157895 -0.343237004473684 -0.1503916379 0.220115703368421  
-0.0616742840815789 0.156978047052632 0.0380266696789474 -0.312347510289474  
-0.387780104447368 -0.484196484736842 -0.544988519210526  
10 "SITTING" 0.270612056481481 -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 -0.0931555026481481  
-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 -0.983266741481482 -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 -0.953681099545455 -0.104753833181818 -0.0371593000727273  
-0.0584162547045455 -0.950367548409091 -0.976445016590909 -0.969051030681818  
-0.951988907954545 -0.937264537954545 -0.951988907954545 -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 -0.979014668793104 -0.968039173793103 -0.972592212931034  
-0.978904364137931 -0.968120692241379 -0.978582339137931 -0.953793912068965  
-0.954670034482759 -0.969755777241379 -0.96454456637931 -0.953453496551724  
-0.975298797068965 -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 -0.398293336610169  
-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 -0.0719834687944444 -0.046076149625  
-0.660431336111111 -0.809459436666667 -0.777173388518518 -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 -0.437276328518518  
-0.803845087037037 -0.471782782222222 -0.581167154444444 -0.674671878518519  
-0.517811645740741 -0.153787850538889 -0.729928728518519 -0.336061027407407  
-0.376027878888889 -0.475928501666667 -0.513703461481481 -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 0.0507743652521739  
-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  
-0.456170108913043 -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 -0.972855110377359 -0.983389810188679 -0.920047161698113  
-0.967884390943396 -0.980831750377358 -0.967454617735849 -0.981124861320755  
-0.981607942075472 -0.968421475660377 -0.984349606792453 -0.985106875471698  
-0.98263664490566 -0.954453821132075 -0.989189512641509 -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  
-0.980836884561403 -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  
-0.971403935438596 -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 -0.973994004561404 -0.976037695614035 -0.976940774561403  
-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 -0.0702503820961538 -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 -0.432469300961538  
-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 -0.750114855961538  
-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 -0.94329842826087 -0.935399348043478  
0.0621500251717391 -0.0119289154608696 0.00485262425869565 0.00631914373913043  
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 0.0972608274652174 -0.107091019565217 0.0655781271934783

-0.213351510686957 -0.32045862629 -0.442831079130435 -0.452449935 0.0235049348717391  
0.150510001156522 -0.402121221521739 0.0483347068913043 0.016749510173913 -0.48739012673913  
-0.00701472271717392 0.00639406888695652 -0.451614324565217 -0.072311431676087  
0.0515123126413043 -0.544461425869565 -0.178856167345652 -0.420631474130435  
-0.212767364326087 -0.4223632375 -0.518923134565217 -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 -0.974734489803922 -0.972745892745098 -0.941907240784314  
-0.946769241568627 -0.980392337647059 -0.978260535882353 -0.97966614372549  
-0.942768016862745 -0.954626628823529 -0.98399947745098 -0.926033975686275  
-0.935916958235294 -0.977109887058824 -0.964236191372549 -0.975551564117647  
-0.977980349019608 -0.966538919607843 -0.981408871764706 -0.968528985294118  
-0.963725248823529 -0.955718183921569 -0.976339901372549 -0.959040695686274  
-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 -0.0300030427426229 -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 -0.948251856721312 -0.95260195295082  
-0.884385204098361 -0.938529853770492 -0.954335764426229 -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 -0.290023550315789 -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  
-0.0647199842553191 -0.0669414080765958 -0.0512020476 -0.463736674255319 -0.259163248340426  
-0.367089485595745 -0.0294634299553191 -0.0156098198829787 -0.0294634299553191  
-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 -0.114744976032191  
-0.141775116319149 -0.356579475531915 -0.319677124659574 -0.133828886725532  
-0.212906662531915 -0.452190386808511 -0.24966032923617 -0.427008254255319  
0.0528791880659574 -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 0.92557651244898 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 -0.991371016938775 -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 -0.000704979340543859 -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 -0.977752775438597 -0.98460855877193

-0.988185112807018 -0.979412252631579 -0.987871530526316 -0.957154108421053 -0.97291308  
-0.974394378070175 -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 0.598884988709677  
-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 -0.965843757258064 -0.966295582741935  
-0.966960088387097 -0.947462328225806 -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 -0.957681621290323 -0.946133432096774  
-0.978150814032258 -0.972798632258065  
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 -0.646611034444444  
-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 -0.075985181333333  
-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 0.0129597549231111 0.192791766468889  
-0.133634060621778 -0.0147079653333333 -0.0945288409066667 0.0353344537555556  
-0.354551638377778 0.0569902222622222 0.356198597177778 -0.108620377713333  
-0.0740589810844444 -0.0615978795422222 -0.537002097555556 -0.284318020488889  
0.0913857550044444 0.185537706866667 0.428405922622222 0.185537706866667 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  
-0.024878980588889 -0.0302396365755556 0.138737970022222 -0.244857128202222

-0.295315541666667 0.0132082347333333 0.492414379822222 -0.378882872733333  
0.0741391154937778 0.182794696328889 0.471905155133333 0.178684580868889 0.186223478065556  
0.194263424111111 -0.0787568406777778 -0.223927430580444 -0.254747132274667  
-0.356849425488889  
14 "SITTING" 0.279990577037037 -0.00870565463888889 -0.100401490425926 -0.976302248148148  
-0.914935703907407 -0.922774835740741 0.939038759814815 -0.0364533962277778  
-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 -0.950998778333333 -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 -0.927882307058824 -0.911972655156863 -0.905221049156863  
-0.894055710980392 -0.972010709215686 -0.969342124313725 -0.968593195686275  
-0.973491388039216 -0.969113291372549 -0.97491443 -0.949959040588235 -0.938087898235294  
-0.949107162941176 -0.959740488627451 -0.929955407058824 -0.957790479803922  
-0.899463668843137 -0.859606047058823 -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 -0.971056501481481 -0.95805876537037 0.089777072166667  
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 0.932302200476191 -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 -0.0482532079928571 -0.0495415503071429 -0.0339213064857143  
-0.455980756428571 -0.574964116428571 -0.394542240714286 0.320449387166667 0.353204008095238  
0.320449387166667 0.353204008095238 -0.0372666071540476 0.159631710516667 -0.121686320740476  
-0.284249712071429 -0.509466648095238 -0.563640131190476 0.235309825547619 0.167518099964286  
-0.259812204547619 0.466325681428571 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  
-0.986724998867925 -0.943348788679245 -0.965473514528302 -0.990060962641509  
-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 -0.0619700871944444 0.113451899791667  
-0.957167680694444 -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  
-0.217351194313725 -0.982469595490196 -0.973784841960784 -0.961387254313726  
0.0770223771764706 0.00968444678235294 0.00360803282352941 -0.396223738431373  
-0.425563858627451 -0.44025821745098 -0.0151721912792157 -0.0695955689607843  
0.0818650735686274 -0.654171847058823 -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 -0.721137001568627 -0.72068229 -0.745726853921569  
16 "WALKING\_UPSTAIRS" 0.255986102627451 -0.0143654945011765 -0.124074517745098  
-0.397083831568627 -0.163732745078431 -0.129283825721569 0.826874282745098  
-0.0805926025490196 -0.379059698039216 -0.948413552745098 -0.933657461176471  
-0.907649558823529 0.0762526677 0.0173729333352941 0.0380533591627451 -0.521089140196078  
-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 -0.0567686629753191 -0.0612136932929787 -0.623676024255319  
-0.583421784680851 -0.540633469361702 0.191079793587447 0.119183740638298 0.191079793587447  
0.119183740638298 -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 -0.565214032765957 -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 -0.9801582433333333 -0.968023206956522 -0.945813561478261  
0.0734346720289855 0.00985642890855072 -0.0115030575052174 -0.990861134782609  
-0.981800970724638 -0.983487212898551 -0.0412014042275362 -0.0574525433043478  
0.0795736310463768 -0.9810373733333333 -0.958336595507246 -0.960287831304348  
-0.0957204520289855 -0.0450369280637681 -0.0588371273536232 -0.98958327942029  
-0.9906217933333333 -0.988364321449275 -0.961879680724638 -0.941051236086957  
-0.961879680724638 -0.941051236086957 -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 -0.95729449448718 -0.969948825128205 -0.95729449448718 -0.989205231794872  
-0.986761550641026 -0.972528178205128 -0.964105768461539 -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 -0.951777099571429  
-0.959020036285714 -0.990839526285714 -0.988212425428571 -0.980213187428571  
-0.963635575142857 -0.974580069142857 -0.971409075142857 -0.937083636714286  
-0.962524372714286 -0.988580046285714 -0.984752927142857 -0.985544945285714  
-0.989287359142857 -0.986215013 -0.988348904571429 -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  
-0.0650267622126229 -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  
0.0914076757326087 -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 -0.135803881679687  
-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 0.904678547435897 -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 -0.984291131538461 -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 -0.102049763957746  
-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  
-0.734901390178571 -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 -0.718951757931034 -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  
-0.585531432931034 -0.784728430344828 -0.59232371 -0.649817266551724 -0.504364096896552  
-0.60071129637931 -0.443429836896552 -0.466022431206897 -0.436561064482759  
-0.436218933448276 -0.574481396551724 -0.587926077068965 -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 -0.960404874545455 -0.932962218181818  
-0.921661749636364 0.0809044045254545 -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 -0.41605050909091  
-0.464546054727273 -0.678751080363636 -0.489232274509091 -0.641527595090909  
-0.447030699454545 -0.513947089545455 -0.607757979272727 -0.543996110545454  
-0.241973534781818 -0.344299434181818 -0.3833987134 -0.386565072363636 -0.604735414363636  
-0.533844932145455 -0.744236045090909 -0.763430801654545  
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 -0.991956958947368  
-0.986753343859649 -0.981525495438596 -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  
-0.984781467192982 -0.982226151578947 -0.990407075964912 -0.991044297894737  
-0.986535242105263 -0.981252632807018 -0.99480818754386 -0.994967621754386  
18 "STANDING" 0.278458805890411 -0.0166353518150685 -0.10845335945205 -0.992019762739726  
-0.95422343630137 -0.961873909178082 0.947573239863014 -0.204206320958904  
-0.0485767106575342 -0.994270075205479 -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 -0.9728204027139726  
-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  
-0.990409919315068 -0.961239135479452 -0.975772813972603 -0.992789068493151  
-0.952911994794521 -0.957216177945206 -0.989544971232877 -0.975243689589041  
-0.986265653561644 -0.990287933424657 -0.977179032191781 -0.989275839041096  
-0.964428926438356 -0.983561159726027 -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  
-0.986456241538462 -0.986464542615385 -0.986456241538462 -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 -0.984999291538462 -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 -0.0218463165461538 -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 0.881940855128205 -0.215018042307692  
-0.126146868942821 -0.899726139487179 -0.917880864102564 -0.899363131794872  
0.0730930306923077 -0.0386872111282051 -0.00955202497435897 0.544273037307692  
0.355306716915385 -0.0200111148717949 -0.205775427307692 0.0274707556666667  
0.163962510807692 0.267657219333333 0.0483147743589744 -0.0314083457948718  
-0.0337429578461538 -0.0394612603358974 -0.0545565563487179 0.179148649684615  
-0.0146299196923077 0.116646170221282 0.644604325128205 0.413472376589744 0.644604325128205  
0.413472376589744 0.434490400974359 0.450612065720513 0.418004608615385 0.237821231894872  
0.0875816618205128 -0.0438985022538462 0.537012022051282 0.494457802230769 0.110659220744872  
0.658506543333333 0.427928785230769 -0.0783635041538461 0.474317256051282 0.276716853307692  
0.0595905768717949 0.476803887476923 0.349771285415897 -0.0983930104846154 0.474962448333333  
0.147083143564103 0.210673073192308 0.196613286661538 -0.028489571974359 -0.215892226769231  
0.586637550769231 0.0828630624102564 0.538404846128205 0.316346415348718 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 -0.950491807945205  
-0.989450316575342 -0.985831284657534 -0.979238031780822 -0.960763181917808  
-0.96633509109589 -0.975204245342466 -0.948053070136986 -0.947514931780822  
-0.986775590136986 -0.979141571643836 -0.98398048 -0.988576991369863 -0.980999857671233  
-0.988151915753425 -0.981743664931507 -0.968188675753425 -0.968235777945205  
-0.985576048219178 -0.955598610136986 -0.967869249178082 -0.962632577945206  
-0.952802277671233 -0.983751646712329 -0.983687272739726 -0.964238768493151  
-0.950484417260274 -0.986727418493151 -0.985416444657534  
19 "STANDING" 0.27817226 -0.0154244056945205 -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 -0.970543276575342  
-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 -0.987352048356164  
-0.952872782465753 -0.968543351780822 -0.991161671369863 -0.943193755068493  
-0.947753961643836 -0.985039596164384 -0.970011345890411 -0.983463295479452  
-0.985913722328767 -0.973588517808219 -0.987524587534247 -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 0.68762385253012  
-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 -0.972798824096386 -0.985340447349398 -0.962085001204819  
-0.974832075662651 -0.984740998192771 -0.983478561807229 -0.974878270963855

-0.986506488795181 -0.985278006987952 -0.975964111566265 -0.988558703373494  
-0.974196217590361 -0.972061003493976 -0.97393233253012 -0.983944795060241  
-0.959831365783133 -0.975417523855422 -0.971957401325301 -0.964056773975904  
-0.980621564096386 -0.979452188433735 -0.965624724457831 -0.957496024457831  
-0.981890470361446 -0.97932784746988  
20 "WALKING" 0.272589336470588 -0.021199992245098 -0.113539477098039 -0.208342792019608  
0.489771808627451 -0.228734217372549 0.899965205686274 -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 -0.389934004313725  
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 -0.045250306577778  
-0.0577371504488889 -0.061531283 -0.249235098988889 -0.334568787888889 0.0030785455022222  
0.221851587933333 0.172636361444444 0.221851587933333 0.172636361444444 -0.0612699838466667  
0.0467185842571111 0.093841943693333 -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 0.00024217463777778  
0.0137917152644444 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 -0.970896863484848  
-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 -0.903913940684931 -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 -0.952741107945206 -0.963098911506849 -0.94047417890411  
-0.963973097671233 -0.881019424794521 -0.91064914109589 -0.911409911643836  
-0.890525705068493 -0.901237499589041 -0.914872014383562 -0.92122595205479  
-0.918651880273973 -0.940007897123288 -0.936025033013699 -0.879437674794521  
-0.849127347123288 -0.929600007123288 -0.927225720410959  
20 "LAYING" 0.239507882205882 -0.0144406281132353 -0.104274322538235 -0.962249114705882  
-0.964098180294118 -0.972571998382353 -0.472431415573529 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 -0.981540062058823 -0.986670534411765 -0.960743126176471  
-0.939489444558824 -0.960743126176471 -0.939489444558824 -0.984670073823529  
-0.980161687058824 -0.9604473725 -0.962153597941176 -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 -0.964205915441177 -0.981119820588235 -0.981986152941177  
21 "WALKING" 0.279183526730769 -0.0181610317526923 -0.104319332403846 -0.297814843538462  
0.0540880509209615 -0.16868872575 0.862524800961538 -0.370984549423077 -0.220947960192308  
-0.969576355384615 -0.964144520576923 -0.974939388076923 0.0782251820211538  
0.00235197553846154 -0.0101813421307692 -0.114888873837692 -0.0347143855729423  
-0.425142604807692 -0.0459323393842308 -0.0590294439942308 0.0983715930038462  
-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 -0.0213998492444444 -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 0.264341903711111  
-0.0802241799933333 0.0952339404955556 -0.184850019535556 -0.388420328666667  
-0.452828682444444 -0.509130858444444 0.104323529982222 0.181138042506667  
-0.0769713066866667 0.266987750733333 0.277894323022222 -0.145081705591111  
-0.0377894711288889 -0.107306347733333 -0.196838264546667 -0.0463867896444444  
-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 -0.490804948444444 -0.571666834444444  
21 "SITTING" 0.277539616823529 -0.0144009705494118 -0.112057887741176 -0.991777287176471  
-0.966877560941176 -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 -0.986520865058824 -0.964971113764706  
-0.971225061647059 -0.990307349882353 -0.990302232705882 -0.990610228 -0.968060947058824  
-0.970859342941176 -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 -0.981419961123596  
-0.943601625393258 -0.946123407078652 0.881213341910112 -0.346155558876404  
-0.207685689775281 -0.982906668876405 -0.977681415955056 -0.958590002247191  
0.0754543858764045 0.0100621171270225 -0.00332093673865168 -0.97706335011236  
-0.963921458202247 -0.977915677191011 -0.0191731896359551 -0.0738115865407865  
0.0864863265393258 -0.962514526067416 -0.955979192696629 -0.959327022022472  
-0.103199796370787 -0.0404300756516854 -0.0538211740234831 -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 -0.960082591123596 -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 0.0627777634002174  
0.0356746339782609 0.00443691445434783 0.0358787094391304 0.225542290191304  
-0.313155902608696 0.0007771571 -0.0960880731804348 0.0775266594847826 -0.318537865869565  
-0.486322106521739 -0.151439515130435 -0.132977562363043 -0.0321910702173913  
-0.0569812455608696 -0.226656401521739 -0.651875468913043 -0.234278150891304  
0.0722419121669565 -0.161591787478261 0.0722419121669565 -0.161591787478261 0.02291996735  
0.111532924945652 -0.210608043717391 -0.390775683913043 -0.461999528913043  
-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 -0.067457054547619 -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  
-0.358762129444444 0.330999221944444 0.133267478527222 0.330999221944444 0.133267478527222  
-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 -0.58351051805556 -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  
-0.000842715149193548 -0.0126852481958065 -0.981664149193548 -0.964782832419355  
-0.978928356290323 -0.0360430675032258 -0.0793617444354839 0.0804426775241936  
-0.981099172419355 -0.950173478548387 -0.946501417741936 -0.0986493161935484  
-0.0423409822741935 -0.0517193986693548 -0.985671250322581 -0.980275619354839  
-0.97954410516129 -0.942167353870968 -0.924336184035484 -0.942167353870968  
-0.924336184035484 -0.979303714032258 -0.968576776774194 -0.942077432741935  
-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 -0.958826938556944 -0.952435389166667 0.075220224222222  
0.00459834754236111 -0.00467438744166667 -0.970355191527778 -0.955151526805556  
-0.974527011944444 -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 -0.954219235555556  
-0.945656808055556 -0.912562856666667 -0.941163951388889 -0.969570326944444  
-0.954833264305556 -0.970918941666667 -0.974126068055556 -0.9589609575 -0.976833164027778  
-0.95336692 -0.964698258611111 -0.942570240416667 -0.958030986944444 -0.960711254583333  
-0.936965638611111 -0.929818990972222 -0.913267251263889 -0.962654791527778  
-0.955635614444444 -0.946055840972222 -0.923552358194444 -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 -0.0805017337711864  
-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 0.0448435785868627 0.10080118935098 0.843438810196078 -0.214481808235294  
-0.35593445 -0.933344481568627 -0.910474557058824 -0.902065910392157 0.0723649984647059  
0.039986286827451 0.0159234167843137 -0.365398622764706 -0.328225031 -0.408094020392157  
0.0957940245941176 -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 -0.366732989313725  
-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  
-0.163001294113725 -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 0.229898742944444 0.923711401296296 -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  
0.280518877574074 -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 0.36482993351852 -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 -0.0434602554691176 -0.0485561086867647  
-0.987084633970588 -0.980727445294118 -0.988130142058824 -0.944080772941176  
-0.924963263235294 -0.944080772941176 -0.924963263235294 -0.982375503382353  
-0.973668776323529 -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 -0.986019630441176 -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  
-0.0327397745133823 -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 -0.983283252058823 -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 -0.956756363194444  
-0.976309827361111 -0.973223495416667 -0.391564962777778 0.438434067361111 0.918782825277778  
-0.947948758194444 -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  
-0.95787199055555 -0.962959196805556 -0.95787199055555 -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 -0.989995616944444  
-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 -0.479841432931034  
-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 -0.916690779830509  
-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 -0.28314344338983  
-0.515644617288136 -0.527604243559322 -0.48339098779661 -0.527104719152542  
-0.535843319152542 -0.562727123050847 -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 -0.272469211854545  
-0.433475431818182 -0.396286646363636 -0.484894683818182 -0.523412701636364  
-0.573281905454545 -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 -0.985555822352941  
-0.985418456176471 -0.964633252352941 -0.969257162647059 -0.991306424705882  
-0.990724530735294 -0.989529506764706 -0.962773200147059 -0.966991781176471  
-0.991100005441176 -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 -0.00358774904913043 -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  
-0.960412164305556 -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 -0.983602745694445  
-0.973171068055556 -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 -0.604032097432432 -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 0.927693239538462  
-0.217641282461538 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 -0.501968387931034

-0.371661522413793 -0.711494695517241 0.00299112856551724 -0.101115076366897  
0.0980750249310345 -0.288824754586207 -0.523377914655172 -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 -0.213028874331034 -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 -0.109160440476923 -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 -0.960003414461538 -0.970409337076923  
-0.960003414461538 -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 0.201182106486486  
-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 -0.974029503513513  
-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 -0.0307179435315068 -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  
-0.890517539315068 -0.946259639315069 -0.924536860547945 -0.891308069041096  
-0.932293334794521 -0.915467504246575 -0.774481943616438 -0.651353241643836  
-0.96008314739726 -0.963601212876712 -0.910126993561644 -0.850661340684931 -0.96825160890411  
-0.970457947534247  
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 0.0851069247830508

-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 -0.398673189830508 -0.351065957627119  
-0.271952157220339 -0.396530418305085 -0.368112905762712 -0.56182776559322  
-0.318516813050847 -0.532999609491525 -0.587939604576271 -0.426232090508475  
-0.379836742711864 -0.537183967118644 -0.293358341186441 -0.268948465423729  
-0.551927613050847 -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  
0.00692238958961538 -0.00780237981320513 -0.99225839525641 -0.986215215641026  
-0.99000871051282 -0.0370217449628205 -0.0840648503320513 0.0711109471666667  
-0.991027700512821 -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 -0.985862886410256 -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 -0.0245345837959459 -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 -0.96867395540541  
-0.962653585540541 -0.98854482527027 -0.984253792432432 -0.991993372297297

-0.958402317837838 -0.97321515527027 -0.993702408378378 -0.947829677432432  
-0.960027795540541 -0.990586982162162 -0.976267058648649 -0.984563921216216  
-0.991275662027027 -0.977354949459459 -0.987428086216216 -0.969364268513514  
-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" 0.271645864540789 -0.0191895728026316 -0.105002540289474 -0.969445445263158  
-0.983231351842105 -0.984500013157895 -0.621309715263158 0.803015011578947 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  
-0.988238648552632 -0.989370490789474 -0.988386324868421 -0.983127999342105  
-0.970171219605263 -0.990970119605263 -0.977491843421053 -0.971789046710526  
-0.969269114078947 -0.966576631710526 -0.989138184473684 -0.987901463289474  
-0.974305179605263 -0.96613921868421 -0.990430914078947 -0.989628012236842  
27 "WALKING" 0.276849485438596 -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  
-0.0476974404561403 -0.0650247552701754 -0.523256879298246 -0.634105502807017  
-0.426346962631579 -0.238853875263158 -0.407355787017544 -0.238853875263158  
-0.407355787017544 -0.23050549298246 -0.266138940350877 -0.396638753684211  
-0.482452355789474 -0.562587199473684 -0.618718628596491 -0.308702374385965  
-0.13678354122807 -0.312372595438596 -0.365256349298246 -0.267741550175439  
-0.345515217192982 -0.345482736842105 -0.194767362438596 -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  
-0.0794059822941176 -0.197338870980392 -0.50311385627451 -0.44246561254902  
-0.608544241568627 -0.47892337254902 -0.450116431176471 -0.657139420784314  
-0.544369229411765 -0.594092579607843 -0.400528455490196 -0.574254281745098  
-0.587869474313725 -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  
0.121176277863636 -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 -0.991766787571429 -0.979481668857143  
-0.969526674714286 -0.979481668857143 -0.969526674714286 -0.989467178285714  
-0.989200539571429 -0.963565474 -0.970782132714286 -0.994034710714286 -0.992112829571429  
-0.988682108428571 -0.97405785571429 -0.974665817 -0.988659196428571 -0.971266062714286  
-0.963220672571429 -0.990839607428571 -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  
-0.993296720540541 -0.982091652162162 -0.978920176216216 -0.982091652162162  
-0.978920176216216 -0.988372773648649 -0.988586771351351 -0.966917594459459  
-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 -0.983052318513513  
-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 -0.229316151481481  
-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 -0.367116416481481  
-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 -0.900514013333333  
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 -0.459989315686274  
-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 0.135465563932609  
-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 -0.976286679444444 -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  
-0.972939551944444 -0.977786782222222 -0.96399042625 -0.978327769444444 -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 -0.969765362025316 -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  
-0.876917545696203 -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 -0.878459662025316 -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 -0.430232441132075  
-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 -0.618667722641509  
29 "WALKING\_UPSTAIRS" 0.265423066877551 -0.0299465312326531 -0.118000587840816  
-0.0867715569693878 -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 -0.0680938780306122  
-0.474932606326531 -0.73422519244898 -0.558417024081633 0.00834360271428571  
-0.0414696051693878 0.00834360271428571 -0.0414696051693878 -0.344324833061224  
-0.254485176020408 0.0439627677608163 -0.0800476153673469 -0.617340803061225  
-0.712846318367347 -0.109793480008163 -0.196011503540816 -0.320487882857143  
-0.0790625306306122 -0.141258066657755 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 0.0827583768461538  
-0.977994819846154 -0.990364876307692 -0.983368643230769 -0.0988701505538462  
-0.0405110578461538 -0.0544926306307692 -0.983293061692308 -0.995533113076923  
-0.990685705384615 -0.984745318923077 -0.981745712923077 -0.984745318923077  
-0.981745712923077 -0.990785419538462 -0.990495689538462 -0.980657340461539  
-0.975358665384615 -0.992144698923077 -0.991453632153846 -0.995024039692308  
-0.973345770461538 -0.984096024769231 -0.996604570307692 -0.968278553076923  
-0.978802973692308 -0.993736906 -0.983194980615385 -0.988541579384615 -0.994123423538462  
-0.984782782307692 -0.991316374615385 -0.974485449538462 -0.991586674 -0.983654714461538  
-0.979162564923077 -0.989643721230769 -0.984714226461538 -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 0.0718861195971014 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  
-0.0674469666086956 -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 -0.986378776086957  
-0.992153982028986 -0.989398823913043 -0.992018447826087 -0.99254347826087  
-0.990468082753623 -0.993107759855072 -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 -0.0459505355861538 -0.0649170927338462 0.0839568239261538  
-0.387920593846154 0.00600277892 -0.182569652430769 -0.08738399517276923 -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  
-0.761942025384615 -0.00355974576923077 -0.0779606464676923 0.0814699303289231  
-0.493837520761538 -0.0840481513184615 -0.211573579892308 -0.108414261326154  
-0.0141113353615385 -0.0364157841384615 -0.742749529538462 -0.743336958461538

-0.665150619230769 -0.137627857227385 -0.327410815861538 -0.137627857227385  
-0.327410815861538 -0.596600099538461 -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 -0.0496807640258064 -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 -0.959361306774194 -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 -0.954076042258065 -0.966274090645161  
-0.983231005483871 -0.933992577903226 -0.946203823387097 -0.988775436451613  
-0.980405717258064 -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 0.00190841458130508 -0.968430745254237  
-0.957318881355932 -0.968897316101695 -0.027613853538983 -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 -0.976177142571429  
-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 -0.965134152428571 -0.972199238  
-0.962840820428571 -0.964051810714286 -0.969949269571429 -0.968087778 -0.962001199  
-0.952644449285714 -0.977821335571429 -0.975481548714286