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-0.113615602435789 0.0670025007684211 -0.502699788526316 -0.041830963526 -
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-0.344266629473684 -0.0899975423705263 -0.0398428709463158 -
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-0.141428809031579 -0.0744717500625263 -0.160979552536842 -0.186978364526316
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- $0.453597213018868 0.565892490754717 \ 0.151538905566038 0.57170784 -$

"3" 1 "walkingDownstairs" 0.289188320408163 -0.00991850461020408 -

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- 0.325961457396226 -0.182985518264151 -0.634665082075472 -0.693930521509434
- 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
- $-0.0350781902989796 -0.0909371290204082 \ 0.0900850142030612 \ -0.458030542938775$
- -0.0270461061061224 -0.487027342244898 -0.238824827530612 -0.268761480242857
- $0.0271882914106122\ 0.0198843506265306\ 0.0271882914106122\ 0.0198843506265306$
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-0.0863278966402041 - 0.134580008877551 - 0.401721464285714 - 0.352449631363265
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0.9423669466 -0.9326606676
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- -0.940068525531915 -0.931438313191489 0.110040615569574 -0.00327959081489362
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"11" 2 "standing" 0.277911472222222 -0.0184208270166667 -0.105908536055556 -

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- 0.261986357931034 0.138107866258621 0.97777159137931 0.962355639482759 -

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- "20" 4 "walkingUpstairs" 0.270876696730769 -0.0319804295729615 -
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- "21" 4 "walkingDownstairs" 0.27996532955556 -0.00980200850666667 -
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- $-0.00729137766444444 \\ -0.145759708684667 \\ -0.146242294857778 \\ -0.626646986888889$
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- 0.9337768922 -0.973333107 -0.954120419 -0.9328683544 -0.929002095 -
- 0.9198157096 -0.9625007338 -0.9615845194 -0.9487697524 -0.9288505544 -
- 0.9765477634 -0.9762617538
- "23" 4 "standing" 0.280499745892857 -0.00948911098553571 -0.0961574905535714
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- -0.949633878571429 -0.976065174642857 -0.957982019464286 -0.906478051785714 -0.949633878571429 -0.976065174642857 -0.957982019464286 -0.906478051785714 -0.949633878571429 -0.976065174642857 -0.957982019464286 -0.906478051785714 -0.9496338785714 -0.9496338785714 -0.9496338785714 -0.9496338785714 -0.9496338785714 -0.9496338785714 -0.9496338785714 -0.9496338785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.94963785714 -0.9496785778571 -0.9496787785778 -0.949678778 -0.949678778 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.94967878 -0.949678 -0.940788 -0.94078 -0.94078 -0.94078 -0.94078 -0.94078 -0.94078 -0.94078 -
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- $\hbox{-0.958159482142857} \hbox{-0.900982100535714} \hbox{-0.885144317678571} \hbox{-0.967614073928571}$

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-0.964282784285714 -0.973497549642857 -0.889549205 -0.93164342125 -
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- 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
- "24" 4 "laying" 0.263559214981481 -0.0150031841055556 -0.110688150314815 -
- 0.954193738888889 0.941714042407407 0.962667314814815 0.420664662222222
- 0.915165104259259 0.341531310555556 -0.921199965925926 -0.969816635740741 -
- $0.976176608888889\ 0.0934494217777778\ 0.00693313213968519\ -0.00641054328740741$
- $-0.978302781111111 \\ -0.942209488333333 \\ -0.978511984259259 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.00923156347222222 \\ -0.0092315634722222 \\ -0.0092315634722222 \\ -0.0092315634722222 \\ -0.0092315634722222 \\ -0.0092315634722222 \\ -0.009231563472222 \\ -0.0092315634722 \\ -0.009231563472 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.00923156347 \\ -0.0092315647 \\$
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- -0.962073755 -0.105019877685185 -0.0381230432222222 -0.0712156288333333 -
- 0.975103204259259 0.986855629814815 0.983965359814815 0.954557603148148 -
- 0.931292216611111 0.954557603148148 0.931292216611111 0.970095771666667 -

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```

- 0.982698213703704 -0.958802077592593 -0.938883374444444 -0.967504278888889 -
- 0.952464881481481 0.946380971111111 0.962154454259259 0.978542457407407 -
- 0.943969987222222 -0.975383329444444 -0.980079292592593 -0.944366881666667 -
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- 0.975094739444444 0.956182500185185 0.965807466666667 0.939389701296296 -
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- 0.294098534232143 0.0767484028053571 -0.45702143625 0.972624959821429 -
- $0.100440285303571\ 0.00247623628392857\ -0.979348381428571\ -0.961585474821429$
- 05 -0.302891024625 -0.0910397428607143 -0.612895318571429 -0.0488919896632143
- $-0.0690135249642857\ 0.0815435495892857\ -0.490877497857143\ -0.504622029821429$
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- 0.0482679596035714 0.357681403285714 0.57143812375 0.157682543983929 -

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0.490251090714286 -0.297517355196429 0.0426026830839286 -0.483059957321429 -
0.344954806428571 -0.181055554206071 -0.590496615535714 -0.3213903195 -
0.0545213604089286 -0.633429995714286 -0.372668749642857 -0.513951718392857
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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 -0.2821543784893620.0435562021989362 -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 "27" 5 "walkingDownstairs" 0.29354392712766 -0.00850107533191489 -0.100319930659574 0.275046110468085 0.0907630761042553 -0.3258914353191490.956649352553192 -0.0607578318319149 0.0216777910246191 -0.950490938510638 -0.912363420851064 -0.927192732978723 0.109650600459574 0.01376182338085110.0213397664446809 0.0322415501638298 0.0473612314702128 -0.52265163787234 -0.068294569906383 -0.0707805998787234 0.0806559989574468 -0.46064684487234 -

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"29" 5 "standing" 0.282544390892857 -0.00700418554517857 -0.102171095696429
\hbox{-0.968591815714286} \hbox{-0.869439913392857} \hbox{-0.869327321785714} \hbox{0.960188699107143} \hbox{--}
0.03871012665 0.138638436607143 -0.974088206071429 -0.931973943392857 -
0.914608495714286 0.0725189859107143 -0.00221990214464286 -0.0122812220569643
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0.954890346153846 0.263644691923077 -0.945695336153846 -0.985964053846154 -

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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 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.203575458733333 - 0.341378429473684 - 0.20357545873333 - 0.341378429473684 - 0.20357545873333 - 0.341378429473684 - 0.20357545873333 - 0.341378429473684 - 0.20357545873333 - 0.341378429473684 - 0.2035754587333 - 0.341378429473684 - 0.20357545873333 - 0.341378429473684 - 0.20357545873333 - 0.341378429473684 - 0.2035754587333 - 0.341378429473684 - 0.2035754587333 - 0.341378429473684 - 0.20357545874 - 0.2035754758 - 0.2035754758 - 0.2035754758 - 0.2035754758 - 0.203575758 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.20357575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.203575 - 0.20575 - 0.20575 - 0.20575 - 0.20575 - 0.20575 - 0.20575 - 0.20
0.515323854385965 - 0.332008706842105 - 0.512209233508772 - 0.201386607649123 -
0.421683093508772 - 0.055401423331579 - 0.0964999702982456 - 0.329681123368421
-0.510648322631579 -0.366500534122807 -0.408078906482456
"32" 6 "walkingUpstairs" 0.268229355098039 -0.0272425385070588 -
```

0.122082438784314 - 0.0501350188513725 0.189276117327451 - 0.3535195148960780.913632241568627 -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 $\hbox{-0.0576800048435294} \hbox{-0.186763293747059} \hbox{-0.486494120980392} \hbox{-0.170814790834118}$ 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

```
"33" 6 "walkingDownstairs" 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 -
0.0829366854166667 - 0.111228416159583 \ 0.328308506041667 \ 0.339771173822917 -
0.277602590916667 0.403369766666667 0.283247837625 -0.4060143105
0.136554991314583 0.1372024523 -0.283086205125 0.0886515099394167
0.341242392604167 -0.389057047125 0.0633716052854167 -0.130327465789583
0.15284524938125 -0.286724914610417 -0.235470976166667 -0.275667262770833
```

0.395958034583333 0.1446227570625 0.243834258785417 0.15480886140625 -

```
0.0143735434 -0.242353857320833 -0.132705384364583 -0.145733545496458
"34" 6 "sitting" 0.276778487454545 -0.0145911615290909 -0.110127728709091 -
0.980164933636364 -0.923682131090909 -0.925797097090909 0.933692934909091
0.0682628663363636 0.0695219657167273 -0.988872369272727 -0.960875994727273
-0.955475832363636 0.0754721635223636 2.55649800000024e-06
0.00623727782090909 - 0.969929476363636 - 0.945143686181818 - 0.958572952545454
-0.0372442282830909 -0.0899083302550909 0.0854346006181818 -0.957367681818182
-0.944130044727273 -0.939681350909091 -0.0936693524363636 -0.0333986700025455
-0.949543531272727 - 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 "35" 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 $\hbox{-0.984067374035088} \hbox{-0.921449111052632} \hbox{-0.922067224210526} \hbox{-0.97348053877193} \hbox{--}$ 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 "36" 6 "laying" 0.248656520140351 -0.0102529170561404 -0.133119570368421 -0.934049422052632 -0.924644826385965 -0.925216100350877 -0.47670987877193 0.928130738421053 0.0963481955263158 -0.00114529240245614 0.00328817288070175-0.966341054736842 -0.933674494385965 -0.959646055263158 -0.0079605026754386 $-0.107218315054386\ 0.179102058245614\ -0.955378225087719\ -0.943634949473684\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.943634949474748\ -0.9436349494748\ -0.943649494748\ -0.9436494748\ -0.94364949494748\ -0.943649494748\ -0.94364949494748\ -0.94364949494748\ -0.94364949494748\ -0.944649494748\ -0.94464949494748\ -0.94464949494748\ -0.94464949494749\ -0.94464949494\ -0.9446494949494\ -0.944649494949494\ -0.94464949494\ -0.944649494\ -0.9446494\$ 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 $\hbox{-}0.953157001578947 \hbox{-}0.939114254210526 \hbox{-}0.923706791403509 \hbox{-}0.938044912280702$ -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
"37" 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
\hbox{-0.027557329277193} \hbox{-0.305959351403509} \hbox{-0.19828316695614} \hbox{-0.300022779964912} \hbox{--}
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

 $\hbox{-0.563615256666667} \hbox{-0.290859379017544} \hbox{-0.463270018245614} \hbox{-0.151243649578947}$

-0.351706780526316 -0.0384187298547368 -0.022138358 -0.192909765467895 -

0.343894914947368 -0.155339855862632 -0.0841663774087719

"38" 7 "walkingUpstairs" 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

-7.45196666666666-05 -0.415153115882353 -0.519897595686274 -0.60780843627451

 $\hbox{-0.138778108029412} \hbox{-0.00247161973} \hbox{ 0.139217071509804} \hbox{-0.363853236862745} \hbox{--}$

0.572996820784314 - 0.348980051411765 - 0.0856640866647059 - 0.0482219105196078

-0.072451747827451 - 0.616812659215686 - 0.671243739607843 - 0.682184175686275

 $\hbox{-0.198074437978431} \hbox{-0.33474460745098} \hbox{-0.198074437978431} \hbox{-0.33474460745098} \hbox{-}$

0.458695232352941 -0.471265710980392 -0.239099165627451 -0.418144852156863 -

0.661969771960784 - 0.67642807254902 - 0.336199426470588 - 0.381590523137255 -

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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
"39" 7 "walkingDownstairs" 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
\hbox{-0.510731018297872} \hbox{-0.299520205208511} \hbox{-0.425200371553192} \hbox{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
-0.397774503468085 -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
"40" 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 -
```

```
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"44" 8 "walkingUpstairs" 0.258880152048781 -0.0282415136341463 -
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- $0.141494613465854 0.228296364146341 \ 0.166447991 0.109327923829268 -$
- 0.400664014146341 0.493975031707317 0.166411065387805 0.263431399878049 -
- $0.0729496941121951 0.175284990170732 \ 0.30540146 \ 0.133766193578049 -$
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- $0.941580934473684 0.897190012631579 \ 0.118938088342105 0.0380193846210526 -$

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0.318801022711538 -0.513891953269231 -0.316870715576923 -0.322337536730769 -

0.513797480384615 -0.562714528653846 -0.602581618269231 -0.624351923653846 "50" 9 "walkingUpstairs" 0.262436475714286 -0.0195101099975714 -

0.125219003959184 -0.36144437755102 -0.302206203816327 -0.253434083542857 0.902647777755102 -0.0377947824285714 -0.266009866857143 -0.954383557142857 $\hbox{-}0.901317321632653 \hbox{-}0.89407107877551 \hbox{0}.0692266245755102 \hbox{0}.00126612218367347$ 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 -0.65711420122449-0.440667540204082 -0.445485397959184 -0.0833234490061224 -0.425839761428571-0.672840561836735 -0.748651255510204 -0.342735952653061 -0.405022798163265-0.384710423408163 -0.369815777346939 -0.297641062755102 -0.244081808302041 -0.590112916530612 -0.677831082857143 -0.313941631326531 -0.499159202857143-0.327698671183673 -0.361626377102041 -0.352033091612245 -0.165554554220408

 $\hbox{-0.372890348979592} \hbox{-0.509929461428571} \hbox{-0.419533108571429} \hbox{-0.484935752040816}$

 $-0.531482693877551 \\ -0.456841325204082 \\ -0.734159449387755 \\ -0.787781590816326$

"51" 9 "walkingDownstairs" 0.295923445 -0.0203994269075476 -

 $0.0910278793952381\ 0.213392270547619\ -0.208310705504762\ -0.00771530035714285$

 $-0.936306558809524 \ -0.876641297380952 \ 0.130193043809524 \ -0.0206865965952381$

 $0.00262568854761905\ 0.017623342197619\ -0.3094424725\ -0.359513362761905\ -$

0.0916383011071429 -0.0712598843142857 0.116804400690476 -0.396429197952381

 $\hbox{-0.340765233142857} \hbox{-0.279685150191905} \hbox{-0.094591202447619} \hbox{-0.0597608334619048}$

-0.0678080598785714 -0.509669314047619 -0.448602451190476 -0.417239550952381

 $0.145886357935714\ 0.265120131365238\ 0.145886357935714\ 0.265120131365238\ -$

0.16237608927619 0.039907818552381 -0.168921400633333 -0.322331464761905 -

 $0.469028434047619 - 0.455855425238095 \ 0.103128506197619 - 0.183120455428571 -$

0.0645354342404762 -0.313643041809524 -0.293677789595238 0.00938224337142857

-0.355981821428571 -0.425377408333333 -0.325042890904762 -0.312512195452381

```
-0.250686586719048 -0.423558773952381 -0.364282565714286 -0.356561471714286

0.222203941 0.0888671674047619 0.00716877883571429 0.0705526138333333 -

0.347540226666667 -0.424170737142857 -0.463172053809524 -0.485158906904762

"52" 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

"53" 9 "standing" 0.282310057333333 -0.0200454954022222 -0.0952747481333333

 $-0.975741252444444 - 0.938635759333333 - 0.919295805777778 \ 0.961323502222222 - 0.975741252444444 - 0.938635759333333 - 0.919295805777778 \ 0.961323502222222 - 0.975741252444444 - 0.938635759333333 - 0.919295805777778 \ 0.961323502222222 - 0.975741252444444 - 0.938635759333333 - 0.919295805777778 \ 0.961323502222222 - 0.975741252444444 \ 0.99863575933333 - 0.919295805777778 \ 0.961323502222222 - 0.975741252444444 \ 0.9986357593333 - 0.919295805777778 \ 0.96132350222222 - 0.975741252444444 \ 0.9986357593333 \ 0.9996357593 \ 0.9996357593 \ 0.999635759 \ 0.99963759$

0.010383816474 0.00914769235555555 -0.989103160444444 -0.972573867555556 -

 $0.9322452951111111\ 0.0760032053555556\ 0.0130699796066667\ -0.004700785502\ -$

0.96997339888889 -0.963849332888889 -0.970584264666667 -0.029183136346 -

0.060810158296 0.0992409332222222 -0.921990612 -0.946046640444444 -

0.939889737333333 -0.095897704 -0.0419199574333333 -0.0575743131488889 -

0.949105691555556 -0.975036530444444 -0.969726483555556 -0.945167482444444 -

0.936105010444444 - 0.945167482444444 - 0.936105010444444 - 0.969524578888889 - 0.936105010444444 - 0.969524578888889 - 0.936105010444444 - 0.969524578888889 - 0.936105010444444 - 0.9695245788888889 - 0.936105010444444 - 0.9695245788888889 - 0.9695245788888889 - 0.9695245788888889 - 0.9695245788888889 - 0.9695245788888889 - 0.9695245788888889 - 0.9695245788888889 - 0.9695245788888889 - 0.9695245788888889 - 0.969524578888889 - 0.969524578888889 - 0.9695245788888889 - 0.9695245788888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524578888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.9695248888889 - 0.9695248888889 - 0.9695248888889 - 0.9695248888889 - 0.9695248888889 - 0.9695248888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.9695248888889 - 0.9695248888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.9695248888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.969524888889 - 0.9695248888889 - 0.9695248888889 - 0.969568888889 - 0.969568888889 - 0.969568888889 - 0.9695688888889 - 0.969568888888880 - 0.96956888888880 - 0.96956888888880 - 0.96956888888880 - 0.9695688888888880 - 0.969568888888

0.965287050888889 -0.971662692 -0.944849431777778 -0.941686874222222 -

0.977579248444444 -0.938790016888889 -0.913896832222222 -0.971313768666667 -

 $0.962624298888889 \cdot 0.967129200444444 \cdot 0.971278823333333 \cdot 0.968234579555556 \cdot 0.96823457955556 \cdot 0.9682345795556 \cdot 0.968234579556 \cdot 0.968234579556 \cdot 0.96823457956 \cdot 0.96823457956 \cdot 0.96823457955 \cdot 0.96823457956 \cdot 0.96823457956 \cdot 0.96823457956 \cdot 0.96823457956 \cdot 0.9682345795 \cdot 0.968234579 \cdot 0.9682479 \cdot$

0.972588748666667 -0.916974437555556 -0.954514301555556 -0.941510336 -

0.924738576444444 - 0.941950576888889 - 0.944942811777778 - 0.946330171777778 -

```
0.940265546444444 - 0.963242884 - 0.96359315955556 - 0.929769067777778 -
```

0.91090965955556 -0.967491628 -0.964770799111111

"54" 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

"55" 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 $\hbox{-0.0521991013207547} \ 0.0750804952113207 \ \hbox{-0.511662905849057} \ 0.0106894976215094$ -0.0819540783760943 0.0986695731160377 -0.414205475283019 -0.250853318679245-0.174524868603774 - 0.122709563462264 - 0.0519204981037736 - 0.0611262928849057 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292884905 - 0.061126292888900 - 0.06112629288890 - 0.0611262928890 - 0.06112629288890 - 0.0611262928890 - 0.06112629288890 - 0.0611262928890 - 0.061126292890 - 0.061126292890 - 0.061126290 - 0.061126290 - 0.06112600 - 0.06112000 - 0.0611000 - 0.06112000 - 0.06112000 - 0.06112000 - 0.06112000 - 0.061-0.366063723207547 -0.509683327924528 -0.329079492641509 -0.127400912069811 $\hbox{-0.185602396067925} \hbox{-0.127400912069811} \hbox{-0.185602396067925} \hbox{-0.132624992298283}$ 0.037608338009434 - 0.156458730358491 - 0.402025135660377 - 0.440363636603774 - $0.501027916603774 - 0.114190001283019 \ 0.0533911909886792 - 0.41218272245283 -$ 0.206366497226415 - 0.129775706316981 - 0.435304215660377 - 0.1079411074679250.0309052018326415 -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

"56" 10 "walkingUpstairs" 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

 $-0.262038042446809 -0.226010197889362 \ 0.0438573846851064 -0.113062673542979$

 $\hbox{-0.523462968510638} \hbox{-0.618272355319149} \hbox{-0.139410790617021} \hbox{-0.0390688222212766}$

-0.301206408085106 -0.171957349438298 -0.051628469647234 -0.0342347233914894

0.166866721574468 - 0.361437534680851 - 0.153553147382979 - 0.334365043829787 -0.265371689148936 -0.166969377765957 -0.600582998297872 -0.67129056212766 "57" 10 "walkingDownstairs" 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 - 0.2271373896052630.250843769394737 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
"58" 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
-0.06799935988888890.0745958869444444-0.988873097222222-0.984373304814815
-0.960445962037037 -0.0931555026481481 -0.0411216540925926 -0.048941191502963
-0.99232665722222 -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 -
```

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0.98911086 \cdot 0.986477363333333 \cdot 0.986179215555556 \cdot 0.96539546962963 \cdot
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- 0.989712360740741 -0.983579646666667 -0.962418559814815 -0.955281010740741 -
- 0.941511952777778 0.985900801111111 0.983266741481482 0.974459732592593 -
- 0.962459956111111 -0.992191529259259 -0.991409100925926
- "59" 10 "standing" 0.276650300681818 -0.0155418603409091 -0.107964083931818
- -0.978403481818182 -0.919561843409091 -0.941271440454545 0.95400878545454545 -
- $0.0431597830454545\ 0.0346980210431818\ -0.991259485\ -0.975410724090909\ -$
- 0.959579657727273 0.0809784390227273 0.0119007630575 -0.00485841031477273 -
- 0.964311490454545 -0.941328663409091 -0.9764306 -0.0281854325604545 -
- 0.08768204863636360.103251560681818 0.929895057954545 0.958861164090909 -
- 0.953681099545455 0.104753833181818 0.0371593000727273 0.0584162547045455
- $\hbox{-0.950367548409091} \hbox{-0.976445016590909} \hbox{-0.969051030681818} \hbox{-0.951988907954545}$
- -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

```
\hbox{-0.942187760454545} \hbox{-0.972241512272727} \hbox{-0.968612135909091} \hbox{-0.944847393636364}
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-0.932273942727273 -0.958399857954545 -0.958901257272727 -0.9401101675 -

0.945048242954545 - 0.951633690454545 - 0.952105964545455 - 0.937786743409091 -

0.922961550454545 -0.965614081363636 -0.965055815454545

"60" 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 -

0.971940597413793 - 0.100308254413793 - 0.0388797920413793 - 0.0590744912758621

-0.965900578103448 - 0.966621040344828 - 0.983949302758621 - 0.956781819655172

-0.940301654482759 -0.956781819655172 -0.940301654482759 -0.976234435172414

 $\hbox{-0.967556980689655} \hbox{-0.937590998793103} \hbox{-0.927471165517241} \hbox{-0.970830848965517}$

-0.959632931551724 -0.96918420862069 -0.954341849137931 -0.964300845172414 -0.964500845008450084 -0.96450084500840084 -0.964500840084 -0.964500840084 -0.96450084 -0.964000084 -0.964000084 -0.964000084 -0.9640000084 -0.964000084 -0.964000084 -0.964000084 -0.964000084 -0.9640

```
0.96796803862069 \ \hbox{-} 0.946229148258621 \ \hbox{-} 0.959813667810345 \ \hbox{-} 0.979014668793104 \ \hbox{-}
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- 0.96454456637931 -0.953453496551724 -0.975298797068965 -0.950848109137931 -
- 0.944304974655172 -0.968561121551724 -0.965377553448276 -0.937692642586207 -
- 0.933701315344828 -0.960976821551724 -0.960772875517241
- "61" 11 "walking" 0.271821892881356 -0.0166475833623729 -0.106096304033898 -
- 0.422842071864407 -0.0522120750440678 -0.530626311355932 0.946468451355932 -
- $0.212045870169492\ 0.134053215101695\ -0.98110101440678\ -0.966240553559322\ -$
- $0.960852684067797\ 0.0829709328491525\ 0.0127682476559322\ -0.013364827779661\ -0.013364827779690\ -0.013364827779661\ -0.013364827779661\ -0.013364827779661\ -0.013364827779661\ -0.013364827779661\ -0.013364827779661\ -0.013364827779661\ -0.013364827779661\ -0.013364827779690\ -0.013364827779690\ -0.0133648277990\ -0.01336482777990\ -0.0133648277990\ -0.0133648277990\ -0.0133648277990\ -0.0133648277990\ -0.0133648277990\ -0.0133648277990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.013364827990\ -0.01336482790\ -0.01336482790\ -0.01336482790\ -0.01336482790\ -0.0136$
- $0.428516343559322 \, -0.181419230254237 \, -0.720654731186441 \, -0.0426928995457627$
- $-0.0705104974254237\ 0.0843744495507542\ -0.596346930847458\ -0.499625287288136$
- -0.434178202542373 -0.0918204195491525 -0.0514172549559322 -0.0342677451 -
- 0.541616397118644 0.737993755932203 0.551079942542373 0.288323472033898 -
- 0.487735915084746 -0.288323472033898 -0.487735915084746 -0.402333202033898 -0.487735915084746

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0.753671416101695\,\, -0.396533731864407\,\, -0.0830478435976271\,\, -0.616402910169492
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-0.433703311525424 -0.0966068285372881 -0.523093394915254 -0.453265268813559

-0.241801726186441 -0.69259387220339 -0.45394304 -0.170177403123729 -

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0.623150268983051 -0.453663184067797 -0.498554639491525 -0.458514062542373 -

0.584455992033898 - 0.395116134237288 - 0.41744681559322 - 0.610222628813559 -

0.59974543779661 -0.751914457457627 -0.773574064745763

"62" 11 "walkingUpstairs" 0.263775859277778 -0.0303157822055556 -

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0.89262615555556 -0.343576924814815 0.146633747092593 -0.953463105740741 -

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0.132594623759259 - 0.289592148148148 - 0.132594623759259 - 0.289592148148148 -

```
0.509587701296296 -0.490485807222222 -0.255048336944444 -0.377909862407407 -
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0.551742083518519 -0.198733655611111 -0.0885048145574074 -0.113701770190741
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-0.674671878518519 -0.517811645740741 -0.153787850538889 -0.729928728518519
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-0.55009966 - 0.381223382777778 - 0.795986113703704 - 0.822428718888889
"63" 11 "walkingDownstairs" 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
```

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0.126227657258696 0.0507743652521739 0.126227657258696 0.0507743652521739 -
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0.599294760652174 - 0.677750588478261 \ 0.0351937228130435 \ 0.0247508134326087 -
0.377624755652174 0.179906764395652 0.0262777181065217 -0.348626581521739 -
0.120463004665217 -0.177479240097826 -0.530225529130435 -0.12834163051087 -0.12834163051087
0.130443829826087 - 0.628902742826087 - 0.318777012804348 - 0.528254524130435 -
0.273459111956522 -0.397722757934783 -0.481127494565217 -0.397220471086957
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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
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-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 -0.968421475660377 - 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"65" 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

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-0.980636664893617 - 0.099519355893617 - 0.0395992140851064 - 0.0524732752340426
-0.986690403617021 -0.995571631276596 -0.990663218510638 -0.984853836595745
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0.995573762978723 -0.96350679 -0.985958517446809 -0.992385450851064 -
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0.981503969574468 -0.988636595319149 -0.98802123106383 -0.982576519787234 -
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"66" 11 "laying" 0.280592970877193 -0.0176598052315789 -0.108786578070175 -
0.98477733 -0.972196873859649 -0.971311176842105 -0.134832031403509
0.943017941403509 0.112620189964912 -0.97956560245614 -0.990765579649123 -
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 $-0.041559989822807\ 0.152019015929825\ -0.980836884561403\ -0.982442644035088\ -$ 0.959897432807018 -0.102297501877193 -0.0412391429298246 -0.0666957489649123 $\hbox{-}0.981724838421053 \hbox{-}0.990845724736842 \hbox{-}0.98654906333333 \hbox{-}0.980621180175439$ -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 -0.9836402719298250.982424585438596 -0.982660631754386 -0.963183902982456 -0.973994004561404 -0.976037695614035 - 0.976940774561403 - 0.975126531403509 - 0.967093356491228 -0.954849053508772 -0.985978837192982 -0.983569468245614 "67" 12 "walking" 0.2771286656 -0.015560927606 -0.10316110632 -0.128898533096 -0.122783290008 -0.4106060626 0.9668735148 -0.1559834498 -0.03608428788 -0.036084288 -0.0360848 -0.004888 -0.004888 -0.004888 -0.004888 -0.004888 -0.004888 -0.00480.97911312 -0.9646191738 -0.9502762272 0.045764401482 0.0197766948336 0.005025870328 -0.01350661106 -0.089404968585 -0.512276838 -0.1045136708758

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-0.03442910782\ 0.0999739123004\ -0.5462634706\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.35017028664\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.4494013978\ -0.44
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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 -

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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

"68" 12 "walkingUpstairs" 0.272970338653846 -0.0263574903403846 -

0.107339730115385 - 0.290149192307692 - 0.103818259823077 - 0.436697425576923

0.938371473269231 -0.259144202692308 -0.0702503820961538 -0.960246289807692

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-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
"69" 12 "walkingDownstairs" 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 -0.3652321974565220.0183139429630435 0.0972608274652174 0.0183139429630435 0.0972608274652174 -0.107091019565217 0.0655781271934783 -0.213351510686957 -0.32045862629 -0.320458626290.442831079130435 -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 - 0.4485129904347830.148017269434783 - 0.105124972078261 0.0769968373 0.0420631251108696 -0.344938419969565 -0.423553971956522 -0.458227490826087 -0.486780424347826 "70" 12 "sitting" 0.275007224901961 -0.0157892988523529 -0.106307228960784 -0.982568781960784 - 0.92858124 - 0.939661889019608 0.9262289754901960.0830509010823529 0.0885640696078431 -0.985203642352941 -0.963641979215686 $-0.956208629607843 \ 0.0771277656078431 \ 0.0105990504054902 \ -0.0020457599227451$

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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

"71" 12 "standing" 0.277405834918033 -0.0169002543196721 -0.105526999754098

 $\hbox{-0.981243992459016} \hbox{-0.923140254098361} \hbox{-0.920684800114754} \hbox{0.957317821803279} \hbox{--}$

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
\hbox{-0.955415641803279} \hbox{-0.971195487377049} \hbox{-0.973689389672131} \hbox{-0.941459935081967}
-0.935232945245902 -0.941459935081967 -0.935232945245902 -0.968790683278689
-0.961923171967213 -0.976469472295082 -0.932775677704918 -0.947178200163934
\hbox{-0.983647207377049} \hbox{-0.922852028360656} \hbox{-0.914189183770492} \hbox{-0.971971634098361}
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0.884385204098361 -0.938529853770492 -0.954335764426229 -0.945217802786885 -
0.939741929016393 -0.960859009508197 -0.964145595245902 -0.902356765573771 -
0.850033171967213 -0.963059791967213 -0.962909739016393
"72" 12 "laving" 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
```

"73" 13 "walking" 0.275883130350877 -0.0185660651947368 -0.111431456192982 -

- 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 -
- 0.290460801694737 0.0439195137368421 0.342263716894737 0.219716159766667
- 0.0946741596910526 -0.406173351578947 -0.192856474047368 -0.256213554508772
- $\hbox{-0.276607954736842} \hbox{-0.435714710526316} \hbox{-0.318618506122807} \hbox{-0.455333900526316}$
- -0.23460086645614 0.438388953157895 0.15211150075614 0.113591923723684 -
- $0.267472373877193 \, -0.379951835438597 \, -0.338527133789474 \, -0.349285611070175$

```
"74" 13 "walkingUpstairs" 0.258203939581818 -0.0277392253910909 -
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0.125767265890909 - 0.296284597454545 0.104470773801818 - 0.2172105680854550.847634313454545 - 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 0.506212135636364 - 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 
"75" 13 "walkingDownstairs" 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

 $-0.0252977670276596 \ -0.0740908045319149 \ -0.149027773519149 \ -0.31704660987234$

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 $-0.198848161170213 \ -0.322774082765957 \ -0.0647199842553191 \ -0.0669414080765958$

-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

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0.427008254255319 0.0528791880659574 -0.210912766382979 -0.0282156656914894-0.0709893839055319 -0.206121707212766 -0.400560061212766 -0.266399903210638-0.343094861202128 "76" 13 "sitting" 0.274328499591837 -0.00587732936326531 -0.0972465110836735 -0.989546275306122 -0.938967741632653 -0.938641215510204 0.925576512448980.101769752489796 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 $\hbox{-0.991414934897959} \hbox{-0.990135477755102} \hbox{-0.959673916122449} \hbox{-0.956183063510204}$ -0.989410582653061 -0.933666502510204 -0.934189007346939 -0.992678212653061 -0.983914101836735 -0.985261204693878 -0.99368217 -0.985908120408163 -

```
0.988612100204082 -0.983218202857143 -0.982456053877551 -0.968384415510204 -
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- 0.986714694081633 0.97827070877551 0.969451754693878 0.956901559653061 -
- 0.938529931020408 0.988348535306122 0.988332303469388 0.973258277755102 -

0.96426809755102 -0.991723741632653 -0.991219445918367

"77" 13 "standing" 0.277758431052632 -0.0167891993964912 -0.112124137754386

 $\hbox{-0.991020759298246} \hbox{-0.949422439473684} \hbox{-0.967538031754386} \hbox{0.942695296842105} \hbox{--}$

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-0.976827157368421 0.0758630962280702 0.00762035230350877 -

 $0.000704979340543859 \ -0.987636104210526 \ -0.977704172105263 \ -0.986926242631579$

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 $-0.971721755964912 \ -0.973436596140351 \ -0.0981199986666667 \ -0.0412872577807018$

-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 -

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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
"78" 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 -
```

- 0.980375137419355 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
- "79" 14 "walking" 0.271959598644068 -0.0217785380966102 -0.106756369135593 -
- 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
- $\hbox{-0.571759911525424} \hbox{-0.536737701694915} \hbox{-0.497187687966102} \hbox{-0.144404671779661}$
- -0.36380562779661 -0.144404671779661 -0.36380562779661 -0.377293155084746 -

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 "80" 14 "walkingUpstairs" 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

```
0.399921949557407 -0.485819293703704 -0.323508442240741 0.0163939234574074
0.191693742633333 - 0.304980247962963 0.356072772037037 0.687124163703704 -
0.383497147037037 -0.347606639592593 -0.264008468333333 -0.41096787037037 -
0.37157247307222 -0.391077873148148 -0.441048358648148 0.118687692187963
0.196703218737037 - 0.464742933888889 0.646233637037037 0.522454216314815 -
0.0759851813333333 + 0.143253889222222 + 0.288744334092593 + 0.409847649281481
0.0488588668185185 0.236659662496296 -0.457250612407407 -0.564964076388889
"81" 14 "walkingDownstairs" 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

-0.28366383592037 -0.337086266574074 0.365779419444444 0.299975979851852 -

```
0.185537706866667 0.42840592262222 0.185537706866667 0.42840592262222
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
"82" 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
- "83" 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 -
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0.980396601666667 -0.967830182166667 -0.973594305166667 -0.957111767 -
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0.950162705166667 - 0.949715059833333 - 0.939799869833333 - 0.970214125833333 -
0.969677515666667 - 0.94440556383333 - 0.934815560833333 - 0.969175636833333 -
0.966019259166667
"84" 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

```
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\hbox{-0.970274962745098} \hbox{-0.968042893529412} \hbox{-0.979711372941176} \hbox{-0.905978250196078}
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-0.966450909019608 -0.904665418431373 -0.913433185882353 -0.975621183137255
-0.964009921960784 - 0.933936178235294 - 0.930366906078431 - 0.927882307058824
\hbox{-}0.911972655156863 \hbox{-}0.905221049156863 \hbox{-}0.894055710980392 \hbox{-}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
"85" 15 "walking" 0.273899207962963 -0.0170809740090741 -0.107621819518519 -
0.3279618011111111\ 0.138912923691296\ -0.518932634814815\ 0.951524391481481\ -
0.233918282592593 \ 0.0757356734814815 \ -0.978397287962963 \ -0.971056501481481 \ -
0.95805876537037 0.0897770721666667 0.00890588563518519 0.000658706162574074
```

```
-0.373217585 -0.0319265467387037 -0.686268420555556 -0.0554883847662963 -
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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 -0.2437111244444444 -0.425798469148148 -0.543979500555556
\hbox{-0.63778595537037} \hbox{-0.31744092037037} \hbox{0.111321097159074} \hbox{-0.554942138148148} -
0.332520626851852 0.0805646237194445 -0.537026414814815 -0.39082198537037 -
0.0669378062222222 \cdot 0.648905254074074 \cdot 0.411500068148148 \cdot 0.0606839140548148
\hbox{-0.723051140740741} \hbox{-0.253399360296296} \hbox{-0.535422096111111} \hbox{-0.461464065555556}
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-0.481750218518519 -0.645075178148148 -0.654010147222222
"86" 15 "walkingUpstairs" 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
```

"87" 15 "walkingDownstairs" 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
```

```
"88" 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 "89" 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
"90" 15 "laying" 0.2894756525 -0.0166296542054167 -0.118530240291667 -
```

0.972255551527778 -0.962759422361111 -0.929586835277778 -0.1719930545

 $0.899242553055556 \, -0.0369192905555556 \, -0.961509742916667 \, -0.986036192361111$

 $-0.950710357083333\ 0.0767515438611111\ 0.0123984271386111\ -0.00443927981861111$

 $\hbox{-0.981739386805556} \hbox{-0.970921587777778} \hbox{-0.978402956527778} \hbox{-0.0168300887791667}$

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-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 -

0.97171882458333 -0.964590430138889 -0.923923991944444 -0.981329999027778 -

0.970833221666667 -0.97477568375 -0.983949290694444 -0.973215319722222 -0.983949290694444

0.980745097361111 - 0.955413596111111 - 0.964310893611111 - 0.958190099861111 -

```
0.958224495416667 -0.959991907083333 -0.960015831111111 -0.956001034027778 -
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 $0.94550856 \, \hbox{-} 0.973681222777778 \, \hbox{-} 0.972530077916667 \, \hbox{-} 0.946812642361111 \, \hbox{-}$

0.923682244861111 -0.975727853888889 -0.972645710694444

"91" 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 - 0.015172191279217 - 0.015172191279217 - 0.01517219127921 - 0.01517219117 - 0.0151771 - 0.0151717 - 0.015171 - 0.01517

 $-0.0695955689607843\ 0.0818650735686274\ -0.654171847058823\ -0.612593634117647$

-0.365489530588235 -0.110917348282353 -0.0433876843176471 -0.0532986670705882

-0.675889722745098 -0.712237752941177 -0.571264779411765 -0.258766694117647

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0.403386563921569 - 0.485931932745098 - 0.665078404313725 - 0.671541834117647 -

0.722808438431373 -0.394790433529412 -0.321500667843137 -0.244363048235294 -

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0.454270822156863 -0.422332394117647 -0.402884115098039 -0.433612657843137 -

- 0.673741136862745 0.61194087745098 0.403219791372549 0.410463241960784 -
- 0.592150985098039 0.378278490588235 0.441447754509804 0.669228540784314 -
- 0.721137001568627 -0.72068229 -0.745726853921569
- "92" 16 "walkingUpstairs" 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 -
- 0.0296211298558824 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 -

0.538073090196078 - 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

"93" 16 "walkingDownstairs" 0.295586802191489 -0.0183898583787234 -

0.119873705148936 0.207251997929787 -0.146993837655319 0.0114353944787234

0.917818427021277 - 0.0584832676382979 - 0.225382496382979 - 0.957785118085106

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-0.0225373369978723 -0.068264792706383 0.0835380057 -0.45418847106383 -

0.528329304680851 -0.444636334893617 -0.103904044543617 -0.0567686629753191

0.191079793587447 0.119183740638298 0.191079793587447 0.119183740638298 -

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\hbox{-0.590896636382979} \hbox{-0.595822214468085} \hbox{ 0.0368263528276596} \hbox{-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
- "94" 16 "sitting" 0.280768574492754 -0.0102497939956522 -0.0891404038405797
- $\hbox{-0.986825605362319} \hbox{-0.951607872463768} \hbox{-0.939672247101449} \hbox{0.942457377971014} \hbox{--}$
- 0.086588253942029 0.0892682200463768 -0.980158243333333 -0.968023206956522 -
- $0.945813561478261\ 0.0734346720289855\ 0.00985642890855072\ -0.0115030575052174$
- $\hbox{-}0.990861134782609 \hbox{-}0.981800970724638 \hbox{-}0.983487212898551 \hbox{-}0.0412014042275362}$
- -0.0574525433043478 0.0795736310463768 -0.981037373333333 -0.958336595507246
- -0.960287831304348 -0.0957204520289855 -0.0450369280637681 -
- 0.0588371273536232 0.98958327942029 0.990621793333333 0.988364321449275 -

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0.987472699130435 -0.983615334057971 -0.946417382463768 -0.937942404637681 -
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0.954060994347826 -0.938863215072464 -0.989363136376812 -0.987506348985507
"95" 16 "standing" 0.283497402948718 -0.0165999672935897 -0.103657729076923
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- 0.986761550641026 0.972528178205128 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.992848576025641 0.964105768461539 0.964105768461600 0.964105768461600 0.96410576846100 0.96410576846100 0.96410576846100 0.96410576846100 0.96410576846100 0.9641057684610 0.964100
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- 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
- "96" 16 "laying" 0.274227162571429 -0.0166103510562857 -0.107310493242857 -
- $0.0199270225714286\ 0.893884468571429\ -0.963761977857143\ -0.966087103857143\ -$
- 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 -
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0.988348904571429 -0.975892407428571 -0.976092920571429 -0.985957788 -
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0.958111895857143 - 0.987514525142857 - 0.98724716 - 0.970249638857143 -
0.958975084 -0.988695277714286 -0.988058401142857
"97" 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
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-0.461837866885246 \ -0.151151487704918 \ -0.461837866885246 \ -0.301093269180328
-0.275672786229508 -0.335009836885246 -0.522494763606557 -0.517167440655738
\hbox{-0.53970849147541} \hbox{-0.360991674918033} \hbox{-0.0650267622126229} \hbox{-0.382832802295082}
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\hbox{-0.194232721737705} \hbox{-0.523427055737705} \hbox{-0.343866129016393} \hbox{-0.0470379377672131}
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0.565162507704918 - 0.335938891803279 - 0.211231860180328 - 0.518618058688525 -
0.615320077704918 -0.582711859672131 -0.520385479180328
"98" 17 "walkingUpstairs" 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
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-0.0304250571395833 -0.0548455941370417 0.0560931358145833 -0.496562732729167
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\hbox{-0.0223482086545833} \hbox{-0.606044344375} \hbox{-0.676722847708333} \hbox{-0.610586202291667} -
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0.357233897916667 -0.390912450416667 -0.235191249091667 -0.440837260125 -
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\hbox{-0.0355381172854167} \hbox{-0.0252781736083333} \hbox{-0.2048157105} \hbox{-0.360272225833333} \hbox{-0.2048157105} \hbox{-0.20481
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0.217393170604167 - 0.360299853125 - 0.437383107916667 - 0.504066956875 -
0.496444579791667 -0.669008763541667 -0.7241557425
"99" 17 "walkingDownstairs" 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 "100" 17 "sitting" 0.2773570196875 -0.014156274084375 -0.11362408509375 -0.9944439053125 -0.96185862984375 -0.96572919578125 0.94488374765625 -0.002814673171875 - 0.135803881679687 - 0.99019661703125 - 0.9667201059375 -

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0.9566106440625 0.075070986171875 0.0056097104915625 -0.0015544841534375 -
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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
"101" 17 "standing" 0.277942503333333 -0.0174120064169231 -0.111432145565 -
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0.991163919871795 -0.968176663717949 -0.970462679230769 0.904678547435897 -

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0.257486817948718 - 0.202687757012821 - 0.985751365769231 - 0.975810476025641 -
0.969171762179487 0.0740864955641026 0.00657853452564103 -0.00403599594166667
\hbox{-0.992094005512821} \hbox{-0.98666125974359} \hbox{-0.991217027307692} \hbox{-0.0269576937130769}
-0.0770632126371795\ 0.0880561869358974\ -0.981373082948718\ -0.985121164615385
-0.98553836333333 \\ -0.101289168653846 \\ -0.0404518753974359 \\ -0.0546331330897436 \\
-0.989257196282051 -0.993699908589744 -0.992327099487179 -0.977635981410256
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"102" 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

```
"103" 18 "walking" 0.273887758571429 -0.0178023631866071 -0.104218315464286
-0.37600552125 -0.227005874892857 -0.428348061071429 0.92386524875 -
-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 -0.0502631568175
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
```

"104" 18 "walkingUpstairs" 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

 $0.0093589662862069 \ \hbox{-} 0.563202134655172 \ \hbox{-} 0.56794063862069 \ \hbox{-} 0.760829911206897 \ \hbox{-}$

0.0470683915017241 -0.0526133819862069 0.0906736478431034 -0.593841504137931

 $-0.0692536211396552 \ -0.76068902862069 \ -0.828872171206897 \ -0.718951757931034$

-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 -

```
0.436561064482759 \cdot 0.436218933448276 \cdot 0.574481396551724 \cdot 0.587926077068965 \cdot
```

0.654029089310345 -0.533044636034483 -0.826193160862069 -0.860910992241379 "105" 18 "walkingDownstairs" 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 -

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- 0.978340183157895 0.076622889 0.00694560289491228 0.00278757042058246 -
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0.104423357596154 - 0.0578820787019231 0.112615077990385 - 0.233872331063462
0.0336380997853846 0.0107318703980769 -0.129367902596154 0.0908366492173077
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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 -
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0.177666828025 0.01738119347275 -0.177666828025 -0.114189605875 -

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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 -
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0.3771327525 -0.4771839145 -0.58828966075

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0.777095717058824 -0.479894842941176 -0.130117634791765 -0.931405014313725 -
```

```
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0.0659193258862745 - 0.174650964745098 0.058701941845098 - 0.492701193921569 -
0.104722161186078 0.184119332796078 -0.148389168870392 -0.0189816250372549 -
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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 -
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0.286627716823529 -0.360948341823529 -0.450393446470588 -0.50282154372549
"117" 20 "walkingDownstairs" 0.296144421355556 -0.00964120773155556 -
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```

```
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0.00253482149777778 - 0.135699627468889 0.289670966711111 - 0.381503405466667
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-0.061531283 -0.249235098988889 -0.334568787888889 0.00307854550222222
0.221851587933333\ 0.1726363614444444\ 0.221851587933333\ 0.172636361444444\ -
0.0612699838466667 0.0467185842571111 0.0938419436933333 -0.0305762438706667
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-0.188098811986667\ 0.113033424261778\ 0.560191344\ -0.213916756933333\ -
0.199360430553978 0.20582901724 -0.356220245355556 -0.147278592755556
0.293119526444444 - 0.405294896466667 - 0.0629572600911111 - 0.138097945555556
0.257037841093333 - 0.253365630644444 - 0.159961424355556 0.0183050845333333
0.151887747217778 0.000242174637777778 0.0137917152644444 0.0790379799133333
-0.100566103524444 -0.151681987177778 -0.311668472555556 -0.281657285946667
"118" 20 "sitting" 0.278045439090909 -0.0147229305131818 -0.108369634515152
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0.935854966151515 0.0746568393030303 0.00597430268636364 0.00160134859924242
-0.982078229242424 -0.970896863484848 -0.976522488787879 -0.036405928969697
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0.982243603030303 - 0.971158287575758 - 0.973211461363636 - 0.983565760757576 -
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0.950963363939394 - 0.978433538484848 - 0.958015696363636 - 0.949176822121212 -
0.946913451666667 -0.942151231515152 -0.971730462575758 -0.972597744242424 -
0.953399068181818 -0.943725755909091 -0.976108353787879 -0.975226588333333
```

"119" 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 $\hbox{-}0.959528332191781 \hbox{-}0.935605650958904 \hbox{-}0.958936310958904 \hbox{-}0.0241335049573973$ $-0.0698308923617808\ 0.0773671448739726\ -0.886749172739726\ -0.903913940684931$ -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 -0.921225595205479 -0.918651880273973 - 0.940007897123288 - 0.936025033013699 - 0.879437674794521 -

```
0.849127347123288 -0.929600007123288 -0.927225720410959
"120" 20 "laying" 0.239507882205882 -0.0144406281132353 -0.104274322538235 -
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 $0.9765185525\ 0.0892716006470588\ 0.00110822495382353\ -0.00309891846569118\ -$

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 $\hbox{-0.972409893529412} \hbox{-0.0995033069117647} \hbox{-0.038776298} \hbox{-0.0610028293088235} \hbox{--}$

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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 -0.974995267058824

0.9418940855 - 0.979695458088235 - 0.979565196911765 - 0.969832241176471 -

0.964205915441177 -0.981119820588235 -0.981986152941177

"121" 21 "walking" 0.279183526730769 -0.0181610317526923 -0.104319332403846

-0.297814843538462 0.0540880509209615 -0.16868872575 0.862524800961538 -

0.370984549423077 -0.220947960192308 -0.969576355384615 -0.964144520576923 -

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0.300309066730769 - 0.308547185288462 - 0.00256294245192308 - 0.164961027194231

-0.200442011365385 - 0.112564739084615 - 0.405700157884615 - 0.107412802661538

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0.475369886808511 -0.483407096425532 -0.628915748723404 -0.700980410425532
"123" 21 "walkingDownstairs" 0.3014610196 -0.0173195390157778 -0.09816866218
0.224343492244444 0.301336399711111 -0.0717893558666667 0.872683205555556 -
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- 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
- "125" 21 "standing" 0.27695224258427 -0.0167084730205618 -0.110417855808989
- -0.981419961123596 -0.943601625393258 -0.946123407078652 0.881213341910112 -
- 0.346155558876404 0.207685689775281 0.982906668876405 0.977681415955056 0.97768141595050 0.97768141595000 0.97768141595000 0.97768141595000 0.97768141595000 0.9776814159500 0.9776814159500 0.9776814159500 0.9776814159500 0.9776814159500 0.9776814159500 0.9776814159500 0.9776814159500 0.9776814159500 0.97768141590 0.9776814150 0.9776814150 0.9776814150 0.9776814150 0.977681400 0.9776800 0.9776800 -
- 0.958590002247191 0.0754543858764045 0.0100621171270225 -0.00332093673865168
- $\hbox{-0.97706335011236} \hbox{-0.963921458202247} \hbox{-0.977915677191011} \hbox{-0.0191731896359551}$
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- -0.971866494606742 -0.976815894044944 -0.975427259325843 -0.958774298089888
- -0.956919898202247 -0.958774298089888 -0.956919898202247 -0.974765161910112
- $\hbox{-0.97160651494382} \hbox{-0.949837151797753} \hbox{-0.945614401797753} \hbox{-0.976857084157303} \hbox{-}$

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"126" 21 "laying" 0.271325472455556 -0.0184233048415556 -0.103253832233333 -
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0.599992678 0.788251027111111 -0.945905270555556 -0.983732936111111 -
0.952416332444444 + 0.0820150201077778 + 0.0119943671007778 + 0.0139053438591111
-0.984826520888889 -0.971584753222222 -0.983977644222222 -0.0305126188777778
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```

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0.0358787094391304 0.225542290191304 -0.313155902608696 0.0007771571 -
0.0960880731804348 0.0775266594847826 -0.318537865869565 -0.486322106521739
```

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```
-0.161591787478261 0.0722419121669565 -0.161591787478261 0.02291996735
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0.159995613695652 -0.281973435652174 0.0180047785304348 0.213423556139739 -
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0.0112499015 0.0869139849722222 0.0198613278611111 -0.477806646111111 -
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0.330999221944444 0.133267478527222 0.330999221944444 0.133267478527222 -
0.0179784626888889 - 0.0337640982530556 - 0.161333309783333 - 0.263921983758333
-0.459579670833333 - 0.617659355833333 0.195348406222222 0.225766560777778 -
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-0.338417326388889 -0.341863671805556 -0.583510518055556 -0.697451438611111
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-0.978466823709677 -0.928059133795645 -0.917564853870968 0.839305928709677
0.208553884 0.315551492322581 -0.972009988709677 -0.954225015274194 -
0.927950649854839 0.0807687311935484 -0.000842715149193548 -
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```

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```
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-0.970355191527778 -0.955151526805556 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.974527011944444 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.0208311371125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.020831125 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.02085 -0.
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```

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"134" 23 "walkingUpstairs" 0.249995171031373 -0.0323844029237255 -

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```
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"136" 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
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0.0684325551029412 0.0645673209117647 -0.980363734264706 -0.948109526029412
-0.9597186325 -0.0967422192647059 -0.0434602554691176 -0.0485561086867647 -
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0.924963263235294 -0.944080772941176 -0.924963263235294 -0.982375503382353 -
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0.988345258235294 -0.930781487205882 -0.896125263911765 -0.984550863529412 -
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```

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0.927090118382353 \, -0.974121466764706 \, -0.972117016617647 \, -0.952293277205882 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.96617647 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -0.9661764 \, -
```

- 0.938680776617647 -0.980707211470588 -0.978499038088235
- "137" 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 0.92379656588235 0.92379656588235 0.92379656588235 0.92379656588235 0.92379656588235 0.9237965688235 0.923796568820 0.92379658820 0.9237965880 0.923796880 0.923796880 0.92379680 0.92379680 0.92379680 0.9237960 0.9237960 0.923796580 0.9237960 0.923700 0.923700 0.925700 0.925700 0.925700 0.925700 0.925700 0.925700 0.925700 0.92570
- 0.9763992525 -0.972387365294118 -0.983627197058824 -0.962831825294118 -
- 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 "138" 23 "laying" 0.274038007986111 -0.0216553835833333 -0.104256776291667 -

0.956756363194444 - 0.976309827361111 - 0.973223495416667 - 0.391564962777778

 $0.438434067361111\ 0.918782825277778\ -0.947948758194444\ -0.982794562916667\ -$

0.986360446805556 - 0.988611616666667 - 0.984663476666667 - 0.0113399724663889

 $-0.105052917\ 0.111078594708333\ -0.981849400972222\ -0.959195236388889\ -$

0.983920132638889 - 0.102024922819444 - 0.0372449750569444 - 0.0621991626111111

 $\hbox{-0.985027850416667} \hbox{-0.979427763472222} \hbox{-0.994908984861111} \hbox{-0.962959196805556}$

 $\hbox{-0.957871990555555} \hbox{-0.962959196805556} \hbox{-0.957871990555555} \hbox{-0.987010197361111}$

-0.986685651527778 -0.949418000972222 -0.957227585972222 -0.984557478611111

 $\hbox{-0.981314831666667} \hbox{-0.97003723833333} \hbox{-0.982072295833333} \hbox{-0.977515213888889}$

-0.952410957638889 -0.974304149166667 -0.972261283055556 -0.986204659166667

-0.988230264166667 -0.982415511805556 -0.987840852638889 -0.989995616944444

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\hbox{-0.985502011944444} \hbox{-0.979676078055556} \hbox{-0.96846913625} \hbox{-0.984238807777778} \hbox{--}
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- 0.982665212638889 -0.954997309583333 -0.98531784125 -0.967747053194444 -
- 0.958465695416667 0.985905703888889 0.986540200694444 0.966239347916667 -
- 0.959025538194444 -0.981846854305556 -0.98158514125
- "139" 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
- -0.06584358799137930.0972006320344828-0.580597373275862-0.487166280172414
- -0.396154003275862 -0.0625311679982759 -0.0502895008551724 -
- 0.0739835516362069 0.490773455517241 0.514246569655172 0.557968202931034
- -0.299983613965517 -0.48106401862069 -0.299983613965517 -0.48106401862069 -

- 0.344493013448276 0.462733639137931 0.182766476862069 0.314646918448276 -

- 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 "140" 24 "walkingUpstairs" 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
- $\hbox{-0.568534124576271} \hbox{-0.27459628379661} \hbox{-0.146800845605424} \hbox{-0.0317350582050847}$
- -0.0498427228983051 0.640489537966102 0.646644373728814 0.648975330847458
- -0.226402822033898 -0.30685447 -0.226402822033898 -0.30685447 -
- 0.48487620508475 -0.441068689830508 -0.33443583979661 -0.503929060169492 -
- 0.658751629152542 0.638180352881356 0.395790553898305 0.252412541966102 -

```
0.312792211016949 \cdot 0.326165553050847 \cdot 0.107787679328814 \cdot 0.28314344338983 \cdot
```

- 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
- "141" 24 "walkingDownstairs" 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
"142" 24 "sitting" 0.273475690147059 -0.0131255097938235 -0.103041061426471
-0.990593766617647 -0.956255962058824 -0.957056111470588 0.919637604411765
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 \cdot 0.968979156470588 \cdot 0.963779683235294 \cdot 0.985555822352941 \cdot
```

- 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
- "143" 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
- $\hbox{-0.969958678115942} \hbox{-0.0991947719855072} \hbox{-0.0431738608} \hbox{-0.0517180379565217} \hbox{--}$

```
0.975856809130435 -0.981983572028985 -0.983276883478261 -0.950061017681159 -
0.94790101173913 -0.950061017681159 -0.94790101173913 -0.977620953913043 -
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0.979936740869565 - 0.958540187246377 - 0.970426493768116 - 0.970133388405797 -
0.961885695217391 -0.965798055507246 -0.972688652173913 -0.960066088115942 -
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0.954407176956522 -0.981119237826087 -0.9797551
"144" 24 "laying" 0.272850494930556 -0.0173555210111111 -0.107236237236111 -
0.967984021111111 -0.983126461944444 -0.97356695888889 -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 - 0.983605927361111 - 0.983791512638889 - 0.983605927361111 - 0.983791512638889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.9837808738889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.98378087388889 - 0.9837808788889 - 0.9837808788889 - 0.9837888889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.983788889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.983788889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.983788889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.9837889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98378889 - 0.98578889 - 0.98578889 - 0.98578889 - 0.98578889 - 0.98578889 - 0.98578889 - 0.98578889 - 0.98578889 - 0.985788889 - 0.98578889 - 0.985788889 - 0.98578889 - 0.98578889 - 0.985788889 - 0.98578889 - 0.98578889 - 0.985788889 - 0.98578889 - 0.98
0.978659102222222 - 0.975893687083333 - 0.980830362083333 - 0.976634815694444 -
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"145" 25 "walking" 0.278992759054054 -0.0186477624716216 -0.108737636297297
-0.596007443513514 -0.161852411581081 -0.437133403243243 0.937483114459459 -
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```

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-0.0820768065347297\ 0.0867868736891892\ -0.401158753783784\ -0.604032097432432
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-0.562775245405405 - 0.102377269321622 - 0.0398986518064865 - 0.0512696224225676

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0.565601466081081 -0.40528943 -0.565601466081081 -0.538291424594595 -

0.542870062567568 - 0.394362401351351 - 0.489809386081081 - 0.678466069054054 -

0.757032544864865 - 0.609038908918919 - 0.251880271094595 - 0.533563220540541 - 0.251880271094595 - 0.533563220540541 - 0.251880271094595 - 0.533563220540541 - 0.251880271094595 - 0.533563220540541 - 0.251880271094595 - 0.251880271094595 - 0.533563220540541 - 0.251880271094595 - 0.25188027109459 - 0.25188027109459 - 0.25188027109459 - 0.25188027109459 - 0.25188027109459 - 0.25188027109459 - 0.2518802710940 - 0.25188027109459 - 0.2518802710940 - 0.2518802710940 - 0.2518802710940 - 0.2518802710940 - 0.25188000 - 0.25188000 - 0.25188000 - 0.2518000 - 0.2518000 - 0.25180000 - 0.25180000 - 0.2518000 - 0.2518000 - 0.25180000 - 0.25180

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

"146" 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 -0.8124583723076920.0556121923307692 -0.109437658104615 0.0996227385527692 -0.489011794784615 $\hbox{-0.433673383846154} \hbox{-0.564195608923077} \hbox{-0.126481161061538} \hbox{-0.0281452998369231}$ $\hbox{-0.0540452217153846} \hbox{-0.693854902307692} \hbox{-0.839699143076923} \hbox{-0.746268282923077}$ -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"147" 25 "walkingDownstairs" 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 -0.485763582068966 - 0.423707329706897 - 0.687034281206897 - 0.693032409137931"148" 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
```

"149" 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
```

```
"150" 25 "laying" 0.250791828613699 -0.0188943663671233 -0.100428830260274 -
0.909116474109589 - 0.691770680561644 - 0.717262004013699 - 0.461102531369863
0.610161166287671\ 0.0879071687671233\ 0.0284619311524658\ -0.0307179435315068
\hbox{-}0.973323412328767 \hbox{-}0.945687169726027 \hbox{-}0.96783552630137 \hbox{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 "151" 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 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.51239882559322 -0.512398825593 -0.512398825593 -0.51239882559 -0.512398 -0.512000 -0.512000 -0.512000 -0.512000 -0.512000 -0.512000 -0.51200000 -0.512000 -0.5120000 -0.512000 -0.512000 -0.512000 -0.512000 -0.512000 -0.512000 -0.512000.603468672372881 -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 -

0.60946621661017 -0.619461036101695 -0.612930343220339

"152" 26 "walkingUpstairs" 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
"153" 26 "walkingDownstairs" 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 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.12591815458 -0.3601146078 -0.125918154078 -0.1259181540 -0.1259181540 -0.1259181540 -0.1259181540 -0.1259181540 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.12591810 -0.1259180 -0.1259180 -0.125
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

"154" 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

 $\hbox{-0.99225839525641} \hbox{-0.986215215641026} \hbox{-0.99000871051282} \hbox{-0.0370217449628205} \hbox{--}$

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-0.966441338076923 -0.095984817 -0.0403070205666667 -0.0487627204433077 -

0.995882512051282 - 0.993139833846154 - 0.991929788974359 - 0.953079994102564 -

0.933602783410256 -0.953079994102564 -0.933602783410256 -0.990898435769231 -

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0.994033207051282 - 0.982579546025641 - 0.954299410641026 - 0.967519149358974 -

0.978755176794872 -0.937783538974359 -0.94478134025641 -0.992025427435897 -

 $0.985862886410256 \cdot 0.987989982948718 \cdot 0.99329986051282 \cdot 0.987754588717949 \cdot 0.987989982948718 \cdot 0.99329986051282 \cdot 0.987754588717949 \cdot 0.99329986051282 \cdot 0.987989982948718 \cdot 0.99329986051282 \cdot 0.987754588717949 \cdot 0.99329986051282 \cdot 0.99329986051280 \cdot 0.993299860051280 \cdot 0.99329986000 \cdot 0.9932998600 \cdot 0.993299800 \cdot 0.993299800 \cdot 0.993299800 \cdot 0.993299800 \cdot 0.993299800 \cdot 0.993299800 \cdot 0.993299900 \cdot 0.993299900 \cdot 0.99329900 \cdot 0.99329900 \cdot 0.99329900 \cdot 0.9932900 \cdot 0.9932900 \cdot 0.9932900 \cdot 0.9932900 \cdot 0.993200 \cdot 0.9932000 \cdot 0.993200 \cdot 0.993200 \cdot 0.993200 \cdot 0.993200 \cdot 0.993200 \cdot 0.993200 \cdot 0.9932000 \cdot 0.9932000$

0.990693114358974 - 0.990144882307692 - 0.981740793333333 - 0.970423693717949 -

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- 0.498754491111111 0.367116416481481 0.191757503603704 0.574579748518519 -
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- 0.497470739444444 0.308243390425926 0.352156841666667 0.511573670555556 -
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- 0.595965103703704 -0.589071730555556
- "164" 28 "walkingUpstairs" 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
- $0.00749081657058823 \, 0.312671655921569 \, 0.331602407372549 \, 0.637488941176471$
- 0.479319521372549 -0.189306812833333 -0.080568055454902 -0.0492552129156863

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-0.0752610437019608 -0.494282913529412 -0.690571101960784 -0.603568264117647
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- 0.98161514125 0.953207017222222 0.961561036111111 0.953928124027778 -
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- -0.951782181518987 0.0753131601898734 0.00907363218518987 -

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0.980013419 -0.978094827375 -0.970251565375 -0.98220590125 -0.981117467 -
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0.972336128625 - 0.944218369375 - 0.931675004125 - 0.971830582375 - 0.96931982125
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-0.174337940226415 -0.0917540612869811 -0.242828038264151 0.96237438509434 -
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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 $\hbox{-0.395909621509434} \hbox{-0.587944298490566} \hbox{-0.504130088679245} \hbox{-0.0955213393716981}$ -0.262695063584906 -0.0955213393716981 -0.262695063584906 -0.240231677415094 $\hbox{-0.133036273622642} \hbox{-0.28057326754717} \hbox{-0.358814096603774} \hbox{-0.506242118113208} \hbox{--}$ 0.612222937169811 -0.135819505761321 -0.0349642325433962 -0.279734839433962 $\hbox{-0.190355976849057} \hbox{-0.182068539584906} \hbox{-0.283348100981132} \hbox{-0.210469887150943}$ -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 "170" 29 "walkingUpstairs" 0.265423066877551 -0.0299465312326531 -0.118000587840816 - 0.0867715569693878 - 0.122128287642857 0.09954435023469390.929258953877551 -0.227120125306122 0.0443786011771429 -0.954189013061225 -0.923007798367347 -0.858849467142857 0.106345193353878 -0.000689019191836735 -0.0290713871612245 -0.182365815065306 -0.388624195510204 -0.6787637665306120.0931989463020408 -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 -0.1412580666577550.203057836877551 -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 "171" 29 "walkingDownstairs" 0.293140441083333 -0.01494121505625 -

0.0981339984895833 0.167383602458333 -0.12246346700625 -0.223177999879167

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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
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0.138637624454167 -0.0307693372041667 -0.122968108816667 -0.26740979843125 -
0.539174456458333 -0.59705704875 0.110663200244167 -0.02122937175 -
0.266692150208333 0.187438624270833 -0.239349053641667 -0.262073242045833 -0.239349053641667
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0.199225894479167 - 0.319123137947917 - 0.354872689583333 - 0.416165845833333 - 0.416165845833333 - 0.416165845833333 - 0.416165845833333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.41616584583333 - 0.4161658458333 - 0.4161658458333 - 0.4161658458333 - 0.4161658458333 - 0.4161658458333 - 0.4161658458333 - 0.4161658458458333 - 0.4161658458458 - 0.41616584584 - 0.41616584584 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.4161658458 - 0.41616584 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.4161658 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 - 0.416168 
0.115973968158333 -0.0330868111229167 0.000448896304791667 -
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0.286256063666667 - 0.984679151833333 - 0.973604289833333 - 0.966032045333333 - 0.966032045333333 - 0.966032045333333 - 0.966032045333333 - 0.966032045333333 - 0.966032045333333 - 0.966032045333333 - 0.966032045333333 - 0.96603204533333 - 0.96603204533333 - 0.96603204533333 - 0.96603204533333 - 0.96603204533333 - 0.96603204533333 - 0.96603204533333 - 0.96603204533333 - 0.96603204533333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.9660320453333 - 0.966032045333 - 0.96603204533 - 0.9660320450 - 0.9660320450 - 0.9660320450 - 0.9660320450 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.9660320 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.966000 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.96600 - 0.966000 - 0.966000 - 0.96600 - 0.966000 - 0.96600 - 0.966000 - 0.966000 - 0.966000 - 0.96600 - 0.966000 - 0.
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```
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-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
\hbox{-0.984096024769231} \hbox{-0.996604570307692} \hbox{-0.968278553076923} \hbox{-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 "174" 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 -0.9864931966666670.981572147681159 -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 \cdot 0.993998275797101 \cdot 0.994366667681159 \cdot 0.98400134173913 \cdot
```

- 0.976679046231884 -0.997617389275362 -0.99758523057971
- "175" 30 "walking" 0.276406758 -0.0175880385730769 -0.0986247068969231 -
- 0.346394275230769 -0.173550021692308 -0.120476783907692 0.965217551076923 -
- 0.157673823846154 0.00392556384476923 0.979752466923077 0.970176562153846
- $\hbox{-0.943958420615385} \ 0.0688689970184615 \ 0.0219656545 \ \hbox{-0.00739534236} \ -$
- 0.374400941384615 -0.270709274446154 -0.521351855076923 -0.0459505355861538
- -0.0649170927338462 0.0839568239261538 -0.387920593846154 0.00600277892 -
- 0.182569652430769 0.0873839917276923 0.0617028868769231 0.0446007229941538
- $-0.460345386153846 \ -0.497621802307692 \ -0.476208796153846 \ -0.195140032969231$
- -0.359873411538462 -0.195140032969231 -0.359873411538462 -0.352111713846154
- -0.353751020923077 -0.0229640797463077 -0.266845731292308 -0.472068729846154
- -0.546977272307692 -0.351402910907692 -0.193856663907692 -0.309558882615385
- -0.344928112461538 -0.215634315369231 -0.0931447617846154 -0.389595631107692
- $\hbox{-0.299525343907692} \hbox{-0.467030710153846} \hbox{-0.415135398} \hbox{-0.289466095323077} \hbox{-}$
- 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

"176" 30 "walkingUpstairs" 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

 $\hbox{-0.169293534323077} \hbox{-0.718780256769231} \hbox{-0.774439096769231} \hbox{-0.420402828153846}$

-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
- "177" 30 "walkingDownstairs" 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
- $-0.0745591301759677 -0.0693112411951613 \ 0.0895767797064516 -0.265923160895161 \\$
- $\hbox{-0.285392416354839} \hbox{-0.29537036283871} \hbox{-0.0615954583870968} \hbox{-0.0496807640258064}$
- -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 "178" 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 -
- 0.959513937258065 -0.991750682096774 -0.990946424516129
- "179" 30 "standing" 0.277112699152542 -0.0170163887813559 -0.108756209835593
- $\hbox{-0.977559426949153} \hbox{-0.891654527118644} \hbox{-0.912850596949152} \hbox{ 0.968556705084746} \hbox{--}$
- $0.100296804186441\ 0.0243044362542373\ -0.996420919152542\ -0.95814576338983\ -$
- $0.949207368305085\ 0.0752414472033898\ 0.0120860416340678\ 0.00190841458130508$
- -0.968430745254237 -0.957318881355932 -0.968897316101695 -0.027613853538983
- $\hbox{-0.0670334379830509} \ 0.0802514754237288 \ \hbox{-0.911408517966102} \ \hbox{-0.94070541220339}$
- $\hbox{-0.960119074237288} \hbox{-0.968135006271186} \hbox{-0.970845670677966} \hbox{-0.930573574915254}$

-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 "180" 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 $\hbox{-0.977463775571429} \hbox{-0.971049778142857} \hbox{-0.979517896142857} \hbox{-0.0267812218571429}$ -0.0761476351714286 0.0938472163142857 -0.973662822428571 -0.966041673 -0.968889156142857 -0.102277358585714 -0.0384875867528571 -0.0595736770285714

- -0.983775833714286 -0.980357062142857 -0.980768874571429 -0.969829984285714 -0.969829984285714 -0.969829984285714 -0.969829884285714 -0.969829884285714 -0.969829884285714 -0.969829884285714 -0.969829884285714 -0.969829884285714 -0.969829884285714 -0.969829884285714 -0.9698884884 -0.969888488 -0.9688884 -0.9688888 -0.9688888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.968888 -0.96888 -0.968888 -0.96888 -0.968888 -0.96888 -0.968888 -0.968888 -0.968888 -0.968888 -0.96888 -0
- -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 -
- 0.974488400714286 -0.965134152428571 -0.972199238 -0.962840820428571 -
- 0.964051810714286 -0.969949269571429 -0.968087778 -0.962001199 -
- 0.952644449285714 -0.977821335571429 -0.975481548714286