| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |  |  |  |
|---|--|--|--|
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |  |  |  |
| $ \begin{array}{ c c c c c } FullSPP & 0.145613547193 & 0.0993623814498 \\ \hline & 1.52219180419e-16 & 1.94688736783e-08 \\ \hline & 0.141782670819 & 0.0924699926521 \\ \hline & 9.33274031933e-16 & 1.73864598151e-07 \\ \hline & LSAdiff & w2vsmall \\ \hline & 2.62379399822 & 0.225483612378 \\ \hline & 0.00888787256654 & 0.821669839522 \\ \hline & 0.0968679933599 & 0.0376788923324 \\ \hline & synonym & 0.0108422976064 & 0.322654098026 \\ \hline & 0.0993915344867 & 0.00858369817901 \\ \hline & 0.00893740438764 & 0.821797031221 \\ \hline & 691 & 691 \\ \hline & LSAdiff & w2vsmall \\ \hline & 1.83889359434 & 1.45989041357 \\ \hline & 0.0671926049176 & 0.145655706904 \\ \hline & 0.120620202349 & 0.0770640945464 \\ \hline & 0.120620202349 & 0.0770640945464 \\ \hline & 0.19102341292 & 0.0948038193294 \\ \hline & 0.0677784912654 & 0.146517394367 \\ \hline \end{array} $ |  |  |  |
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| $ \begin{array}{ c c c c c } \hline & & & & & & & & & & & \\ \hline & & & & & &$  |  |  |  |
| $ \begin{array}{ c c c c c } \hline LSA diff & w2vsmall \\ \hline 2.62379399822 & 0.225483612378 \\ 0.00888787256654 & 0.821669839522 \\ 0.0968679933599 & 0.0376788923324 \\ synonym & 0.0108422976064 & 0.322654098026 \\ 0.0993915344867 & 0.00858369817901 \\ 0.00893740438764 & 0.821797031221 \\ \hline 691 & 691 \\ \hline & LSA diff & w2vsmall \\ \hline & 1.83889359434 & 1.45989041357 \\ 0.0671926049176 & 0.145655706904 \\ 0.120620202349 & 0.0770640945464 \\ 0.120620202349 & 0.0770640945464 \\ 0.0643245056309 & 0.238258894235 \\ 0.119102341292 & 0.0948038193294 \\ 0.0677784912654 & 0.146517394367 \\ \hline \end{array} $   |  |  |  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |  |  |  |
| $\begin{array}{c} 0.00888787256654 & 0.821669839522 \\ 0.0968679933599 & 0.0376788923324 \\ \text{synonym} & 0.0108422976064 & 0.322654098026 \\ 0.0993915344867 & 0.00858369817901 \\ 0.00893740438764 & 0.821797031221 \\ \hline & 691 & 691 \\ \hline & LSAdiff & w2vsmall \\ \hline & 1.83889359434 & 1.45989041357 \\ 0.0671926049176 & 0.145655706904 \\ 0.120620202349 & 0.0770640945464 \\ 0.10643245056309 & 0.238258894235 \\ 0.119102341292 & 0.0948038193294 \\ 0.0677784912654 & 0.146517394367 \\ \hline \end{array}$   |  |  |  |
| $\begin{array}{c} \text{synonym} & 0.0968679933599 & 0.0376788923324 \\ 0.0108422976064 & 0.322654098026 \\ 0.0993915344867 & 0.00858369817901 \\ 0.00893740438764 & 0.821797031221 \\ \hline & 691 & 691 \\ \hline & LSAdiff & w2vsmall \\ \hline & 1.83889359434 & 1.45989041357 \\ 0.0671926049176 & 0.145655706904 \\ 0.120620202349 & 0.0770640945464 \\ 0.10643245056309 & 0.238258894235 \\ 0.119102341292 & 0.0948038193294 \\ 0.0677784912654 & 0.146517394367 \\ \hline \end{array}$  |  |  |  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |  |  |  |
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| $ \begin{array}{ c c c c c c } \hline & 691 & 691 \\ \hline & LSA diff & w2vsmall \\ \hline & 1.83889359434 & 1.45989041357 \\ & 0.0671926049176 & 0.145655706904 \\ & 0.120620202349 & 0.0770640945464 \\ antonym & 0.0643245056309 & 0.238258894235 \\ & 0.119102341292 & 0.0948038193294 \\ & 0.0677784912654 & 0.146517394367 \\ \hline \end{array} $   |  |  |  |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |  |  |  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |  |  |  |
| antonym 0.0643245056309 0.238258894235 0.119102341292 0.0948038193294 0.0677784912654 0.146517394367  |  |  |  |
| 0.119102341292 0.0948038193294<br>0.0677784912654 0.146517394367  |  |  |  |
| 0.0677784912654 0.146517394367  |  |  |  |
|   |  |  |  |
| 236 236   |  |  |  |
|   |  |  |  |
| LSAdiff w2vsmall  |  |  |  |
| 1.85117381485 1.38721407314   |  |  |  |
| 0.0649327179019 0.166202588067  |  |  |  |
| 0.0960527133221  0.0497251109341  |  |  |  |
| fpa   0.0631489230793   0.336903181159  |  |  |  |
| 0.0952863750252 0.0715473000877   |  |  |  |
| 0.0652927271585  0.166770813429   |  |  |  |
| 375 375   |  |  |  |
| LSAdiff w2vsmall  |  |  |  |
| 3.09212241329 2.5385139044  |  |  |  |
| 0.00231131768643  |  |  |  |
| 0.251379573524 0.219237461263   |  |  |  |
| script   0.000738011760887   0.00336946456403   |  |  |  |
| 0.226993315345 0.187938038988   |  |  |  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |  |  |  |
| 177 177   |  |  |  |

|                     | I   |                  | LSAdiff           |                |                 | w2vsmall        |     |      |
|---------------------|-----|------------------|-------------------|----------------|-----------------|-----------------|-----|------|
|                     |     | 3.90018900485    |                   | 1.58           | 1.58352016397   |                 |     |      |
|                     |     | 0.00010          | 05836309          | 9647           | 0.11            | 37762472        | 8   |      |
|                     |     | 0.120            | 8629903           | 98             | 0.05            | 0.055618927462  |     |      |
| unclassifie         | ed  | 0.0017           | 3757724           | 444            | 0.15            | 0.150715808448  |     |      |
| 0                   |     | 0.149            | 0.149213486401    |                | 0.061153563098  |                 |     |      |
|                     |     | 0.00010          | 0.000107106588719 |                | 0.114047268753  |                 |     |      |
|                     |     |                  | 669               |                | 669             |                 |     |      |
|                     |     | LSAc             | liff              |                | w2vs            | mall            |     |      |
|                     |     | 1.16278258794 1. |                   | 63720          | 957977          |                 |     |      |
|                     | 0   | .245851          | 153501            | 0.102645760171 |                 |                 |     |      |
|                     | 0   |                  |                   |                | 15394           | 840869          |     |      |
| category            | 0.  | 0448581          | 602898            | 0.00           | 077612          | 29369445        |     |      |
|                     | 0.  | 0673184          | 328154            | 0.0            | 94574           | 7206788         |     |      |
|                     | 0   | .2466490         | 048278            | 0.1            | 103227          | 220992          |     |      |
|                     |     | 298              | 3                 |                | 29              | 8               |     |      |
|                     |     |                  | LSAdiff           |                | 1               | w2vsmall        | ,   | ]    |
|                     |     | 2.0              | 00170277          | 38             | 1.5             | 327784129       | 1   | 1    |
|                     |     | 0.04             | 0.0467468834893   |                | 0.185850834497  |                 |     |      |
|                     |     | 0.16             | 0.161654869875    |                | 0.09            | 104873877       | 754 |      |
| supraordi           | nat | $e \mid 0.02$    | 0.0258651383733   |                | 0.21            | 115425472       | 59  |      |
|                     |     | 0.14             | 0.144083175036    |                | 0.0961347473429 |                 |     |      |
|                     |     | 0.04             | 0.0473334165041   |                | 0.187022147569  |                 |     |      |
|                     |     |                  | 190               |                | 190             |                 |     |      |
| LS                  |     |                  | SAdiff            |                | w2              | 2vsmall         |     | ,    |
| -(                  |     | -0.7659          |                   |                |                 | 461723587       | 7   |      |
|                     |     | 0.4480           |                   |                | 0.842           | 110569419       | )   |      |
|                     |     | -0.0335          | 0.0335630359933 ( |                | 0.0830          | 56478405        | 3   |      |
|                     |     | 0.8328           | 0.832880696504    |                | 0.6010          | 024121619       | )   |      |
|                     |     | -0.1187          |                   |                | -0.031291530522 |                 |     |      |
|                     |     | 0.4537           | 0.453728277822    |                | 0.844046372335  |                 | ,   |      |
|                     |     | 42               |                   | 42             |                 |                 |     |      |
|                     |     |                  | LSAdiff           |                |                 | w2vsma          |     | 1    |
|                     |     |                  | 1.69168290342     |                | 342             | 2.260380489     |     | 999  |
| functional property |     |                  | 0.093820552592    |                | 2592            | 0.02596531398   |     | 3986 |
|                     |     |                  | 0.1261            | 14739          | 9856            | 0.214571927781  |     | 781  |
|                     |     |                  | 0.208867499230    |                | 9236            | 0.031181892330  |     | 3305 |
|                     |     |                  | 0.1667984149      |                | 4911            | 0.220475805003  |     | 5003 |
|                     |     |                  | 0.0954868226249   |                | 6249            | 0.0267248856064 |     | 6064 |
|                     |     |                  | 101               |                | 4.0             | 11              |     |      |

|     | LSAdiff         | w2vsmall        |
|-----|-----------------|-----------------|
|     | 1.26474508674   | 0.958770345004  |
|     | 0.207398616631  | 0.338803843393  |
|     | 0.0749195666278 | 0.109949311397  |
| bpa | 0.284502380219  | 0.11566315024   |
|     | 0.0879910061298 | 0.0668137932403 |
|     | 0.2085130784    | 0.339987570417  |
|     | 206             | 206             |

|                     | LSAdiff         | w2vsmall        |
|---------------------|-----------------|-----------------|
|                     | 1.75610209197   | 1.16374381189   |
|                     | 0.0813728249576 | 0.246611320314  |
|                     | 0.117456471091  | 0.0974600680806 |
| perceptual property | 0.17650257941   | 0.262593782938  |
|                     | 0.150538087882  | 0.10039951155   |
|                     | 0.0825308199156 | 0.248402140708  |
|                     | 134             | 134             |

|        | LSAdiff        | w2vsmall         |
|--------|----------------|------------------|
|        | 0.949149770502 | -0.296279269781  |
|        | 0.361268787696 | 0.772081863565   |
|        | 0.319119971771 | 0.0659340659341  |
| action | 0.287882832305 | 0.830542385756   |
|        | 0.264256081187 | -0.0852173386066 |
|        | 0.382965008129 | 0.781934432791   |
|        | 13             | 13               |