coach HYPER teach COMMUNICATION\_1/5,EVENT\_3/5,RELATIONSHIP\_1/5,CULTURE\_1/5 coach is a kind of teach 0 0 0 0 5 0.922241666667 5 5.0 0.0 5.0 wordnet/4.0 score

coach HYPER teacher BUSINESS\_1/5,RELATIONSHIP\_3/5,CULTURE\_1/5,EVENT\_1/5,EMTIONCOMMUNICATION\_1/5 coach is a kind of teacher 0 0 0 1 4 0.971833333334 5 4.8 0.2 4.6 umbel 1.0

coach RANDOM coat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coach RANDOM dog n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coach RANDOM performance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coach RANDOM pit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coach RANDOM rain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coach RANDOM rear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coach RANDOM ride n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coach RANDOM side n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dance HYPER move EMOTION\_1/5,OBJECT\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,NATURE\_2/5,CULTURE\_2/5,TIME\_1/5,COLOR\_1/5,EVENT\_4/5 dance is a kind of move 0 0 0 1 4 0.954383333334 5 4.8 0.2 4.6 wordnet/4.0 score

dance RANDOM bring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dance RANDOM human n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dance RANDOM idea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dance RANDOM idle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dance RANDOM lens n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dance RANDOM mark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dance RANDOM transport n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dance RANDOM unknown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy ANT original RELATIONSHIP\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_3/5 copy can be used as the opposite of original 0 1 0 1 3 0.92554 5 4.2 1.7 2.5 verbosity 0.8380123483549595

copy RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy RANDOM cattle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy RANDOM generous n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy RANDOM hand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy RANDOM join n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy RANDOM joint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy RANDOM nose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy RANDOM rent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copy RANDOM south n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dollar HYPER coin OBJECT\_5/5,RELATIONSHIP\_1/5,EVENT\_1/5,BUSINESS\_1/5 dollar is a kind of coin 0 1 0 1 3 0.926558333334 5 4.2 1.7 2.5 wordnet/4.0 score

dollar HYPER money EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,RELATIONSHIP\_1/5,BUSINESS\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_4/5,CULTURE\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 dollar is a kind of money 0 0 0 0 5 0.952891666666 5 5.0 0.0 5.0 conceptnet/4/en 3.5849625007211565

dollar RANDOM air n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dollar RANDOM build n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dollar RANDOM communism n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dollar RANDOM dictionary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dollar RANDOM enjoy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dollar RANDOM event n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dollar RANDOM illness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dollar RANDOM player n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sleep ANT awake EVENT\_5/5,TIME\_2/5 sleep can be used as the opposite of awake 0 0 0 1 4 0.94764 5 4.8 0.2 4.6 verbosity 2.439321386612242

sleep ANT awaken EVENT\_5/5,RELATIONSHIP\_1/5 sleep can be used as the opposite of awaken 0 0 0 0 5 0.952783333334 5 5.0 0.0 5.0 verbosity 0.10316659595205603

sleep ANT wake EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_4/5 sleep can be used as the opposite of wake 0 0 0 0 5 0.939316666667 5 5.0 0.0 5.0 wordnet/4.0 score

sleep HYPER relax EMOTION\_2/5,EVENT\_3/5,NATURE\_1/5 sleep is a kind of relax 0 0 0 1 4 0.94146 5 4.8 0.2 4.6 umbel 1.0

sleep PART\_OF life CULTURE\_1/5,EVENT\_1/5,NATURE\_3/5 sleep is part of life 0 0 0 1 4 0.9141 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

sleep RANDOM brave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sleep RANDOM profit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sleep RANDOM fly n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sleep RANDOM hold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sleep RANDOM love n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

skin HYPER surface OBJECT\_2/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 skin is a kind of surface 0 0 0 0 5 0.911908333334 5 5.0 0.0 5.0 wordnet/4.0 score

skin PART\_OF apple OBJECT\_2/5,FOOD\_1/5,NATURE\_5/5,SPACE\_1/5 skin is part of apple 0 0 0 1 4 0.889908333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

skin PART\_OF body OBJECT\_1/5,NATURE\_5/5 skin is part of body 0 0 0 1 21 0.946415789474 22 4.95454545455 0.0454545454545 4.9090909091 conceptnet/4/en 1.0

skin PART\_OF grape EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_3/5,FOOD\_3/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 skin is part of grape 0 0 0 0 5 0.923975 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

skin PART\_OF peach FOOD\_1/5,SPACE\_1/5,NATURE\_3/5 skin is part of peach 0 0 0 2 3 0.928858333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

skin RANDOM vessel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

skin RANDOM education n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

skin RANDOM flat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

skin RANDOM freedom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

skin RANDOM huge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dish PART\_OF meal FOOD\_2/5,COMMUNICATION\_2/5,OBJECT\_2/5,EVENT\_2/5 dish is part of meal 0 0 0 2 3 0.945183333334 5 4.6 0.3 4.3 wordnet/4.0 score

dish HYPER container COLOR\_1/74,BUSINESS\_1/74,RELATIONSHIP\_1/74,NATURE\_6/74,FOOD\_2/74,COMMUNICATION\_1/74,OBJECT\_73/74,CULTURE\_1/74,SPACE\_1/74,CULTURE\_1/74,EVENT\_2/74 dish is a kind of container 0 0 0 2 3 0.925483333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

dish SYN plate OBJECT\_5/5,NATURE\_1/5 dish can be used with the same meaning of plate 0 0 0 1 4 0.928166666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

dish RANDOM clergyman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dish RANDOM darkness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dish RANDOM farm n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dish RANDOM jail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dish RANDOM mystery n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dish RANDOM question n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dish RANDOM tan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

follow ANT lead RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_4/5 follow can be used as the opposite of lead 0 0 0 1 4 0.924558333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

follow HYPER understand EMOTION\_2/5,RELATIONSHIP\_1/5,COMMUNICATION\_2/5,EMTIONRELATIONSHIP\_1/5,EVENT\_3/5,EMTION\_1/5 follow is a kind of understand 0 0 0 1 4 0.910608333333 5 4.8 0.2 4.6 wordnet/4.0 score

follow SYN tail RELATIONSHIP\_1/5,NATURE\_1/5,CULTURE\_1/5,TIME\_1/5,EVENT\_4/5 follow can be used with the same meaning of tail 0 1 0 0 5 0.953616666667 6 4.5 1.5 3.0 wiktionary/en/en 1.0

follow RANDOM bus n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

follow RANDOM chest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

follow RANDOM even n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

follow RANDOM exchange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

follow RANDOM fluid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

follow RANDOM history n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

follow RANDOM horn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hate HYPER dislike EMTIONRELATIONSHIP\_1/5,EMOTION\_3/5,EMTION\_1/5 hate is a kind of dislike 0 0 0 0 5 0.891016666667 5 5.0 0.0 5.0 wordnet/4.0 score

hate ANT love EMOTION\_3/5,EMTION\_2/5 hate can be used as the opposite of love 0 0 0 0 5 0.97245 5 5.0 0.0 5.0 wordnet/4.0 score

hate RANDOM animal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hate RANDOM article n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hate RANDOM hammer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hate RANDOM juice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hate RANDOM jump n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hate RANDOM race n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hate RANDOM speech n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hate RANDOM stationary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

row HYPER fight EMOTION\_2/5,NATURE\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_3/5 row is a kind of fight 0 0 0 2 3 0.962666666667 5 4.6 0.3 4.3 conceptnet/4/en 2.584962500721156

row SYN argument EMOTION\_2/5,NATURE\_1/5,COMMUNICATION\_2/5,OBJECT\_2/5,CULTURE\_1/5,EVENT\_1/5 row can be used with the same meaning of argument 0 0 0 0 5 0.960983333334 5 5.0 0.0 5.0 wiktionary/en/en 1.0

row RANDOM attic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

row RANDOM construct n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

row RANDOM enjoy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

row RANDOM entertainment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

row RANDOM face n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

row RANDOM lead n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

row RANDOM plastic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

row RANDOM roof n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compact ANT spread CULTURE\_1/5,EVENT\_3/5,RELATIONSHIP\_2/5 compact can be used as the opposite of spread 0 0 0 0 5 0.974933333333 5 5.0 0.0 5.0 verbosity 0.03813512888677098

compact HYPER car EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 compact is a kind of car 0 0 0 1 4 0.963816666667 5 4.8 0.2 4.6 wordnet/4.0 score

compact ANT big RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_3/5,TIME\_1/5,EVENT\_1/5 compact can be used as the opposite of big 0 0 0 2 3 0.92688 5 4.6 0.3 4.3 verbosity 0.015307252787848382

compact ANT large OBJECT\_3/5,EVENT\_2/5,RELATIONSHIP\_4/5 compact can be used as the opposite of large 0 0 0 1 4 0.93896 5 4.8 0.2 4.6 verbosity 0.010068697668300375

compact SYN compress BUSINESS\_1/5,RELATIONSHIP\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_4/5 compact can be used with the same meaning of compress 0 0 0 1 4 0.951708333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

compact RANDOM date n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compact RANDOM image n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compact RANDOM land n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compact RANDOM order n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compact RANDOM produce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

everything ANT nothing CULTURE\_1/5,RELATIONSHIP\_3/5,COMMUNICATION\_2/5,OBJECT\_2/5,TIME\_1/5,EVENT\_1/5 everything can be used as the opposite of nothing 0 0 0 1 4 0.92956 5 4.8 0.2 4.6 wiktionary/en/en 1.5849625007211563

everything SYN all RELATIONSHIP\_1/5,NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5,EMTION\_1/5 everything can be used with the same meaning of all 0 0 0 1 4 0.97245 5 4.8 0.2 4.6 wiktionary/en/en 1.0

everything RANDOM dish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

everything RANDOM fly n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

everything RANDOM lover n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

everything RANDOM mark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

everything RANDOM pull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

everything RANDOM ram n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

everything RANDOM state n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

everything RANDOM text n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

father HYPER parent RELATIONSHIP\_5/5,TIME\_1/5 father is a kind of parent 0 0 0 0 5 0.964366666667 5 5.0 0.0 5.0 conceptnet/4/en 2.807354922057604

father PART\_OF family EMOTION\_1/73,CULTURE\_4/73,BUSINESS\_1/73,RELATIONSHIP\_71/73,NATURE\_8/73,FOOD\_1/73,COMMUNICATION\_6/73,OBJECT\_2/73,EMTIONRELATIONSHIP\_1/73,COLOR\_1/73,SPACE\_1/73,TIME\_11/73,EVENT\_1/73 father is part of family 0 0 0 0 5 0.97365 5 5.0 0.0 5.0 globalmind 3.5849625007211565

father SYN priest EMOTION\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_1/5,TIME\_1/5,CULTURE\_2/5,CULTURE\_2/5 father can be used with the same meaning of priest 0 0 0 1 4 0.9642 5 4.8 0.2 4.6 umbel 1.5849625007211563

father RANDOM bush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

father RANDOM cube n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

father RANDOM desert n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

father RANDOM die n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

father RANDOM element n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

father RANDOM friend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

father RANDOM growth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tail PART\_OF animal OBJECT\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 tail is part of animal 1 0 0 1 3 0.940325 5 4.0 3.0 1.0 conceptnet/4/en 1.5849625007211563

tail PART\_OF cat OBJECT\_2/5,NATURE\_5/5 tail is part of cat 0 0 0 0 5 0.963783333333 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

tail PART\_OF fish OBJECT\_2/5,NATURE\_4/5 tail is part of fish 0 0 0 1 4 0.9644 5 4.8 0.2 4.6 globalmind 2.0

tail RANDOM actress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tail RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tail RANDOM floor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tail RANDOM gay n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tail RANDOM liquid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tail RANDOM narrow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tail RANDOM policeman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stable HYPER build OBJECT\_4/5,SPACE\_3/5 stable is a kind of build 1 0 0 0 4 0.92424 5 4.2 3.2 1.0 dbpedia/en 2.9068905956085187

stable HYPER place OBJECT\_1/5,SPACE\_5/5 stable is a kind of place 0 0 0 0 5 0.91888 5 5.0 0.0 5.0 dbpedia/en 0.5849625007211562

stable RANDOM computer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stable RANDOM cook n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stable RANDOM corn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stable RANDOM silent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stable RANDOM pagan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stable RANDOM screw n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stable RANDOM solution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stable RANDOM trap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride HYPER feel EMOTION\_2/5,RELATIONSHIP\_1/5,COMMUNICATION\_1/5,EVENT\_1/5,EMTION\_2/5 pride is a kind of feel 0 0 0 1 4 0.940316666666 5 4.8 0.2 4.6 wordnet/4.0 score

pride RANDOM blow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride RANDOM commerce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride RANDOM fancy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride RANDOM follower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride RANDOM grain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride RANDOM nothing n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride RANDOM order n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pride RANDOM pet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly SYN kind EMOTION\_3/5,RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_2/5,EVENT\_1/5,EMTION\_1/5 friendly can be used with the same meaning of kind 0 0 0 2 3 0.883116666667 5 4.6 0.3 4.3 wiktionary/de/en 1.0

friendly RANDOM bathroom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly RANDOM democracy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly RANDOM distress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly RANDOM freedom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly RANDOM noble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly RANDOM plan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly RANDOM plant n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly RANDOM rubbish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friendly RANDOM wine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

division ANT union OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_3/5,SPACE\_1/5 division can be used as the opposite of union 0 0 0 1 4 0.94125 5 4.8 0.2 4.6 verbosity 0.039840264531791104

division ANT whole OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_3/5,NATURE\_1/5 division can be used as the opposite of whole 0 0 0 2 3 0.933875 5 4.6 0.3 4.3 verbosity 0.009490502947452436

division HYPER separation OBJECT\_1/5,EVENT\_4/5,RELATIONSHIP\_2/5 division is a kind of separation 0 0 0 2 3 0.965458333334 5 4.6 0.3 4.3 wordnet/4.0 score

division SYN split CULTURE\_1/5,EVENT\_5/5 division can be used with the same meaning of split 0 1 0 0 4 0.934591666666 5 4.4 1.8 2.6 wiktionary/en/en 1.0

division RANDOM awaken n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

division RANDOM blow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

division RANDOM brave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

division RANDOM house n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

division RANDOM information n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

division RANDOM law n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

woman HYPER human EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_5/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_2/5,EVENT\_1/5 woman is a kind of human 0 0 0 0 5 0.94444 5 5.0 0.0 5.0 globalmind 3.700439718141092

woman ANT male RELATIONSHIP\_4/5,NATURE\_2/5 woman can be used as the opposite of male 0 0 0 0 5 0.967008333334 5 5.0 0.0 5.0 verbosity 0.29615283074306276

woman HYPER adult RELATIONSHIP\_4/5,NATURE\_2/5,EMTIONRELATIONSHIP\_1/5,CULTURE\_1/5,EVENT\_1/5 woman is a kind of adult 0 0 0 0 5 0.925258333334 5 5.0 0.0 5.0 wordnet/4.0 score

woman PART\_OF mankind OBJECT\_2/5,RELATIONSHIP\_1/5,NATURE\_2/5 woman is part of mankind 0 0 0 0 5 0.92165 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

woman RANDOM awake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

woman RANDOM chicken n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

woman RANDOM collection n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

woman RANDOM street n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

woman RANDOM exit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

woman RANDOM relief n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

string PART\_OF kite OBJECT\_3/3,RELATIONSHIP\_1/3 String is part of kite 0 0 0 2 3 0.94918 5 4.6 0.3 4.3 conceptnet/4/en 2.321928094887362

string SYN cord OBJECT\_5/5,EVENT\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5 string can be used with the same meaning of cord 0 0 0 1 4 0.93395 5 4.8 0.2 4.6 wiktionary/de/en 1.0

string RANDOM chest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

string RANDOM curve n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

string RANDOM gift n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

string RANDOM look n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

string RANDOM planet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

string RANDOM play n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

string RANDOM profit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

string RANDOM soldier n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

song PART\_OF culture CULTURE\_3/5,COMMUNICATION\_2/5,EVENT\_1/5,CULTURE\_2/5 song is part of culture 0 0 0 2 3 0.97185 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

song HYPER sound RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_4/5,OBJECT\_1/5,CULTURE\_2/5,EVENT\_1/5 song is a kind of sound 0 0 0 1 4 0.930158333333 5 4.8 0.2 4.6 wordnet/4.0 score

song PART\_OF album RELATIONSHIP\_1/5,COMMUNICATION\_2/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5 song is part of album 0 0 0 2 3 0.963083333334 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

song RANDOM bitch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

song RANDOM car n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

song RANDOM chair n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

song RANDOM construction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

song RANDOM contract n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

song RANDOM dish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

song RANDOM free n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dessert HYPER food EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_5/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 dessert is a kind of food 0 0 0 0 5 0.94598 5 5.0 0.0 5.0 conceptnet/4/en 2.0

dessert SYN sweet OBJECT\_2/5,FOOD\_4/5,NATURE\_1/5 dessert can be used with the same meaning of sweet 0 0 0 1 4 0.911908333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

dessert RANDOM act n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dessert RANDOM animate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dessert RANDOM catch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dessert RANDOM charge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dessert RANDOM face n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dessert RANDOM jail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dessert RANDOM lady n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dessert RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rise ANT descend EMOTION\_1/5,EVENT\_4/5,RELATIONSHIP\_1/5 rise can be used as the opposite of descend 0 0 1 0 4 0.9274 5 4.6 0.8 3.8 wordnet/3.0 1.5849625007211563

rise ANT down CULTURE\_1/5,EVENT\_4/5 rise can be used as the opposite of down 0 0 0 2 3 0.912741666667 5 4.6 0.3 4.3 verbosity 0.08183328195331085

rise ANT lower EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 rise can be used as the opposite of lower 0 0 0 0 5 0.934416666666 5 5.0 0.0 5.0 verbosity 0.0473289838655563

rise ANT sink CULTURE\_1/5,EVENT\_4/5 rise can be used as the opposite of sink 0 0 0 1 4 0.970716666666 5 4.8 0.2 4.6 wiktionary/en/en 1.0

rise ANT sunset TIME\_2/5,EVENT\_4/5,NATURE\_4/5 rise can be used as the opposite of sunset 0 0 0 0 5 0.949758333334 5 5.0 0.0 5.0 verbosity 0.1198889959072947

rise SYN climb BUSINESS\_1/5,NATURE\_2/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5 rise can be used with the same meaning of climb 0 0 0 1 4 0.957683333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

rise SYN raise RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_2/5,CULTURE\_1/5,EVENT\_4/5 rise can be used with the same meaning of raise 0 0 0 1 4 0.963325 5 4.8 0.2 4.6 wiktionary/en/en 1.0

rise RANDOM burn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rise RANDOM cake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rise RANDOM finish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wave ANT straight OBJECT\_3/5,SPACE\_1/5,NATURE\_3/5 wave can be used as the opposite of straight 0 1 0 2 3 0.9447 6 4.16666666667 1.36666666667 2.8 verbosity 0.0095908259571858

wave HYPER curve OBJECT\_4/5,EVENT\_1/5,RELATIONSHIP\_1/5 wave is a kind of curve 0 0 0 2 3 0.952833333333 5 4.6 0.3 4.3 wordnet/4.0 score

wave PART\_OF sound RELATIONSHIP\_1/5,NATURE\_4/5,COMMUNICATION\_3/5,OBJECT\_1/5,EVENT\_1/5 wave is part of sound 0 0 0 1 4 0.948591666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

wave RANDOM bed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wave RANDOM clothe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wave RANDOM computer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wave RANDOM edge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wave RANDOM plain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wave RANDOM profit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wave RANDOM reward n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

electron ANT neutron OBJECT\_3/5,CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5 electron can be used as the opposite of neutron 0 0 0 3 3 0.90285 6 4.5 0.3 4.2 wiktionary/de/en 1.0

electron ANT proton OBJECT\_3/5,CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5 electron can be used as the opposite of proton 0 0 0 2 3 0.91415 5 4.6 0.3 4.3 wiktionary/de/en 1.0

electron PART\_OF atom OBJECT\_2/5,RELATIONSHIP\_1/5,NATURE\_4/5 electron is part of atom 0 0 0 0 5 0.960183333334 5 5.0 0.0 5.0 conceptnet/4/en 3.5849625007211565

electron RANDOM bicycle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

electron RANDOM dislike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

electron RANDOM farm n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

electron RANDOM fish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

electron RANDOM integrity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

electron RANDOM jail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

electron RANDOM movie n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fan HYPER follower EMOTION\_2/5,RELATIONSHIP\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_2/5,EVENT\_1/5 fan is a kind of follower 0 0 0 1 4 0.97425 5 4.8 0.2 4.6 wordnet/4.0 score

fan HYPER machine OBJECT\_5/5 fan is a kind of machine 0 0 0 1 4 0.9754 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

fan HYPER person RELATIONSHIP\_1/5,NATURE\_3/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_1/5 fan is a kind of person 0 0 0 2 3 0.91034 5 4.6 0.3 4.3 conceptnet/4/en 2.0

fan RANDOM army n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fan RANDOM cap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fan RANDOM exercise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fan RANDOM film n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fan RANDOM generous n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fan RANDOM homosexual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fan RANDOM line n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fall ANT ascend EMOTION\_1/5,EVENT\_5/5,RELATIONSHIP\_1/5 fall can be used as the opposite of ascend 0 0 0 0 5 0.949175 5 5.0 0.0 5.0 wiktionary/en/en 1.0

fall ANT fly EVENT\_3/5,RELATIONSHIP\_3/5 fall can be used as the opposite of fly 0 0 0 0 5 0.9524 5 5.0 0.0 5.0 verbosity 0.14708957257913288

fall ANT rise EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_2/5,RELATIONSHIP\_2/5,NATURE\_1/5,FOOD\_2/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_2/5,EVENT\_4/5 fall can be used as the opposite of rise 0 0 0 0 5 0.96085 5 5.0 0.0 5.0 wordnet/4.0 score

fall ANT spring RELATIONSHIP\_2/5,NATURE\_4/5,CULTURE\_1/5,TIME\_1/5,EVENT\_1/5 fall can be used as the opposite of spring 0 0 0 2 3 0.972466666667 5 4.6 0.3 4.3 verbosity 1.1184236855659784

fall ANT stand EVENT\_5/5,RELATIONSHIP\_1/5 fall can be used as the opposite of stand 0 0 0 1 4 0.95195 5 4.8 0.2 4.6 verbosity 0.21351448467674128

fall SYN waterfall RELATIONSHIP\_2/5,NATURE\_1/5,OBJECT\_3/5,SPACE\_3/5,EVENT\_1/5 fall can be used with the same meaning of waterfall 0 0 0 1 4 0.968908333334 5 4.8 0.2 4.6 umbel 1.0

fall RANDOM child n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fall RANDOM close n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fall RANDOM cut n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fall RANDOM generous n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cook HYPER action EMOTION\_1/5,EVENT\_5/5 cook is a kind of action 0 1 0 0 4 0.92612 5 4.4 1.8 2.6 conceptnet/4/en 1.5849625007211563

cook RANDOM begin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cook RANDOM ideology n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cook RANDOM idle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cook RANDOM keyboard n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cook RANDOM mail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cook RANDOM port n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cook RANDOM restrict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank HYPER machine OBJECT\_5/5 tank is a kind of machine 0 0 0 2 3 0.920875 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

tank RANDOM ball n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank RANDOM college n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank RANDOM descend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank RANDOM government n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank RANDOM mind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank RANDOM original n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank RANDOM part n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank RANDOM scissor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tank RANDOM smile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trouble ANT fortune CULTURE\_2/5,EVENT\_3/5,BUSINESS\_1/5,TIME\_1/5 trouble can be used as the opposite of fortune 0 1 0 2 3 0.94655 6 4.16666666667 1.36666666667 2.8 verbosity 0.00924478447730781

trouble ANT safe EMOTION\_2/5,OBJECT\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,SPACE\_1/5,CULTURE\_1/5,TIME\_1/5,COLOR\_1/5,EVENT\_3/5 trouble can be used as the opposite of safe 0 0 0 2 3 0.966983333334 5 4.6 0.3 4.3 verbosity 0.062356614389389484

trouble PART\_OF life RELATIONSHIP\_2/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5 trouble is part of life 0 0 0 2 3 0.973283333334 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

trouble SYN pain EMOTION\_3/5,RELATIONSHIP\_1/5,EVENT\_1/5,EMTION\_2/5 trouble can be used with the same meaning of pain 0 0 0 2 3 0.968508333334 5 4.6 0.3 4.3 wiktionary/de/en 1.0

trouble RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trouble RANDOM drink n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trouble RANDOM exchange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trouble RANDOM fancy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trouble RANDOM penis n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trouble RANDOM sea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cool ANT heat OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5,NATURE\_1/5 cool can be used as the opposite of heat 0 0 0 0 5 0.939775 5 5.0 0.0 5.0 wordnet/4.0 score

cool HYPER temperature EVENT\_1/5,NATURE\_4/5 cool is a kind of temperature 0 0 0 0 5 0.974933333333 5 5.0 0.0 5.0 umbel 1.0

cool ANT hot BUSINESS\_1/5,EVENT\_3/5,RELATIONSHIP\_2/5,NATURE\_2/5 cool can be used as the opposite of hot 0 0 0 1 4 0.8872 5 4.8 0.2 4.6 verbosity 0.7050644584674788

cool ANT warm EMOTION\_1/5,CULTURE\_1/5,EVENT\_3/5,NATURE\_1/5 cool can be used as the opposite of warm 0 0 0 0 5 0.963158333333 5 5.0 0.0 5.0 verbosity 1.5059264886765433

cool RANDOM criminal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cool RANDOM error n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cool RANDOM flesh n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cool RANDOM fruit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cool RANDOM grip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cool RANDOM matter n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

school HYPER education RELATIONSHIP\_1/5,SPACE\_3/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5 school is a kind of education 0 0 0 2 3 0.963091666667 5 4.6 0.3 4.3 wordnet/4.0 score

school HYPER place OBJECT\_1/5,NATURE\_1/5,SPACE\_5/5 school is a kind of place 0 0 0 0 5 0.893233333334 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

school SYN teach COMMUNICATION\_1/5,EVENT\_5/5 school can be used with the same meaning of teach 0 0 0 0 5 0.956966666666 5 5.0 0.0 5.0 umbel 1.5849625007211563

school RANDOM action n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

school RANDOM care n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

school RANDOM cell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

school RANDOM mineral n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

school RANDOM novel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

school RANDOM post n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

school RANDOM problem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stapler HYPER object OBJECT\_5/5,RELATIONSHIP\_1/5,NATURE\_1/5 stapler is a kind of object 0 0 0 1 4 0.952233333334 5 4.8 0.2 4.6 conceptnet/4/en 2.0

stapler HYPER device OBJECT\_5/5,RELATIONSHIP\_1/5 stapler is a kind of device 0 0 0 1 4 0.9113 5 4.8 0.2 4.6 conceptnet/4/en 2.0

stapler HYPER tool OBJECT\_5/5 stapler is a kind of tool 0 0 0 1 4 0.935566666667 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

stapler RANDOM bill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stapler RANDOM committee n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stapler RANDOM computer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stapler RANDOM ram n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stapler RANDOM recess n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stapler RANDOM relax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stapler RANDOM sea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

die ANT live NATURE\_3/5,OBJECT\_1/5,TIME\_1/5,EVENT\_4/5,EMTION\_1/5 die can be used as the opposite of live 0 0 0 0 5 0.9325 5 5.0 0.0 5.0 verbosity 2.1933344012409246

die HYPER change EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_4/5 die is a kind of change 0 0 1 1 3 0.90904 5 4.4 0.8 3.6 wordnet/4.0 score

die RANDOM blanket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

die RANDOM boredom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

die RANDOM dislike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

die RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

die RANDOM individual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

die RANDOM law n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

die RANDOM original n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

die RANDOM press n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sand ANT stone OBJECT\_3/5,COMMUNICATION\_1/5,NATURE\_2/5,TIME\_1/5 sand can be used as the opposite of stone 0 0 0 1 4 0.92105 5 4.8 0.2 4.6 verbosity 0.023266886716390364

sand ANT ocean EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_3/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 sand can be used as the opposite of ocean 0 0 0 2 3 0.901058333334 5 4.6 0.3 4.3 verbosity 0.009436755608090146

sand SYN beach RELATIONSHIP\_3/61,NATURE\_42/61,OBJECT\_18/61,CULTURE\_1/61,SPACE\_25/61,EVENT\_1/61 sand can be used with the same meaning of beach 0 0 0 2 3 0.931441666666 5 4.6 0.3 4.3 wiktionary/de/en 1.0

sand RANDOM communism n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sand RANDOM flesh n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sand RANDOM note n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sand RANDOM phrase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sand RANDOM residence n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sand RANDOM size n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sand RANDOM toy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

settle ANT unsettle EMOTION\_3/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_4/5 settle can be used as the opposite of unsettle 0 0 0 1 4 0.92504 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

settle HYPER stop EVENT\_5/5 settle is a kind of stop 0 0 0 2 3 0.928675 5 4.6 0.3 4.3 wordnet/4.0 score

settle RANDOM admire n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

settle RANDOM all n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

settle RANDOM complicate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

settle RANDOM flower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

settle RANDOM integrity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

settle RANDOM mean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

settle RANDOM parent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

settle RANDOM potato n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

team ANT individual RELATIONSHIP\_3/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_1/5 team can be used as the opposite of individual 0 0 0 1 4 0.971833333334 5 4.8 0.2 4.6 verbosity 0.011978603203514663

team HYPER group RELATIONSHIP\_2/5,BUSINESS\_1/5,NATURE\_1/5,SPACE\_1/5,CULTURE\_2/5,TIME\_1/5,EVENT\_1/5 team is a kind of group 0 0 0 0 5 0.9436 5 5.0 0.0 5.0 wordnet/4.0 score

team SYN gang RELATIONSHIP\_4/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5 team can be used with the same meaning of gang 1 0 0 1 3 0.958708333334 5 4.0 3.0 1.0 wiktionary/de/en 1.0

team RANDOM degree n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

team RANDOM get n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

team RANDOM bull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

team RANDOM hear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

team RANDOM look n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

team RANDOM mammal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

team RANDOM produce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

small HYPER size OBJECT\_4/5,COMMUNICATION\_2/5,EVENT\_2/5,RELATIONSHIP\_2/5 small is a kind of size 0 0 0 0 5 0.972733333333 5 5.0 0.0 5.0 wordnet/4.0 score

small SYN minute OBJECT\_2/5,EVENT\_2/5,RELATIONSHIP\_2/5,TIME\_2/5 small can be used with the same meaning of minute 0 0 0 1 4 0.956158333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

small RANDOM contaminate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

small RANDOM event n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

small RANDOM match n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

small RANDOM medicine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

small RANDOM reproduce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

small RANDOM solution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

small RANDOM sunshine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

small RANDOM violence n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack HYPER support OBJECT\_5/5,CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5 rack is a kind of support 0 0 0 2 3 0.941116666667 5 4.6 0.3 4.3 wordnet/4.0 score

rack RANDOM complex n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack RANDOM descend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack RANDOM laugh n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack RANDOM proton n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack RANDOM recess n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack RANDOM theory n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack RANDOM unhappiness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack RANDOM weak n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rack RANDOM win n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoy ANT dislike EMOTION\_3/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_2/5,EMTION\_1/5 enjoy can be used as the opposite of dislike 0 0 0 1 4 0.957608333334 5 4.8 0.2 4.6 verbosity 0.28592001645727655

enjoy ANT hate EMOTION\_2/5,RELATIONSHIP\_3/5,EVENT\_1/5,EMTION\_1/5 enjoy can be used as the opposite of hate 0 0 0 0 5 0.931783333333 5 5.0 0.0 5.0 verbosity 0.15253390755629007

enjoy ANT suffer EMOTION\_2/7,RELATIONSHIP\_2/7,EMTION\_4/7 enjoy can be used as the opposite of suffer 0 0 1 1 3 0.950941666667 5 4.4 0.8 3.6 wordnet/4.0 score

enjoy RANDOM army n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoy RANDOM asia n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoy RANDOM coat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoy RANDOM commerce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoy RANDOM event n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoy RANDOM medicine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoy RANDOM misunderstand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

work ANT hobby CULTURE\_3/5,EVENT\_2/5,BUSINESS\_1/5 work can be used as the opposite of hobby 0 0 0 1 4 0.94494 5 4.8 0.2 4.6 verbosity 0.008993263639679075

work ANT leisure EMOTION\_1/5,OBJECT\_1/5,BUSINESS\_2/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,CULTURE\_3/5,EMTIONRELATIONSHIP\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_4/5 work can be used as the opposite of leisure 0 0 0 0 5 0.928483333334 5 5.0 0.0 5.0 verbosity 0.35944596953483543

work ANT recreation EMOTION\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_2/5,CULTURE\_2/5,EVENT\_3/5 work can be used as the opposite of recreation 0 0 0 1 4 0.971575 5 4.8 0.2 4.6 verbosity 0.017921907997262315

work ANT relax OBJECT\_1/5,EVENT\_3/5,RELATIONSHIP\_2/5,CULTURE\_1/5 work can be used as the opposite of relax 0 0 0 1 4 0.958725 5 4.8 0.2 4.6 verbosity 0.23528941535088946

work ANT retire CULTURE\_1/5,TIME\_1/5,EVENT\_5/5,NATURE\_2/5 work can be used as the opposite of retire 0 0 0 1 4 0.922591666666 5 4.8 0.2 4.6 verbosity 0.010785208575907495

work RANDOM boy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

work RANDOM constellation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

work RANDOM deceive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

work RANDOM democracy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

work RANDOM theory n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crop ANT weed OBJECT\_1/5,NATURE\_5/5,SPACE\_1/5 crop can be used as the opposite of weed 0 0 0 0 5 0.973866666667 5 5.0 0.0 5.0 verbosity 0.0095908259571858

crop HYPER cut OBJECT\_2/5,CULTURE\_2/5,EVENT\_4/5,NATURE\_2/5 crop is a kind of cut 0 0 0 2 3 0.959866666667 5 4.6 0.3 4.3 wordnet/4.0 score

crop HYPER plant OBJECT\_1/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 crop is a kind of plant 0 0 0 2 3 0.928533333333 5 4.6 0.3 4.3 conceptnet/4/en 2.0

crop SYN harvest OBJECT\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5,FOOD\_1/5,CULTURE\_1/5,TIME\_2/5,EVENT\_1/5 crop can be used with the same meaning of harvest 0 0 0 1 4 0.974983333334 5 4.8 0.2 4.6 wiktionary/de/en 1.0

crop RANDOM instrument n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crop RANDOM machine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crop RANDOM mild n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crop RANDOM pipe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crop RANDOM poem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crop RANDOM praise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sign HYPER communication OBJECT\_1/5,COMMUNICATION\_5/5,EVENT\_1/5,RELATIONSHIP\_1/5 sign is a kind of communication 0 0 0 0 5 0.945625 5 5.0 0.0 5.0 wordnet/4.0 score

sign SYN mark RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_2/5 sign can be used with the same meaning of mark 0 0 0 2 3 0.954616666667 5 4.6 0.3 4.3 wiktionary/de/en 1.0

sign RANDOM basement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sign RANDOM deal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sign RANDOM degree n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sign RANDOM kindness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sign RANDOM lower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sign RANDOM fall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sign RANDOM trash n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sign RANDOM attach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crook ANT police EMOTION\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 crook can be used as the opposite of police 0 0 0 2 3 0.936583333334 5 4.6 0.3 4.3 verbosity 0.010779838753242761

crook SYN criminal RELATIONSHIP\_3/5,NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5 crook can be used with the same meaning of criminal 0 0 0 0 5 0.895475 5 5.0 0.0 5.0 umbel 1.5849625007211563

crook RANDOM automobile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crook RANDOM build n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crook RANDOM bush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crook RANDOM full n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crook RANDOM harvest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crook RANDOM passageway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crook RANDOM relax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crook RANDOM ride n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rough ANT smooth OBJECT\_2/5,CULTURE\_1/5,EVENT\_1/5,RELATIONSHIP\_2/5 rough can be used as the opposite of smooth 0 0 0 0 5 0.955483333333 5 5.0 0.0 5.0 verbosity 2.104002284880551

rough ANT soft EMOTION\_2/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_2/5 rough can be used as the opposite of soft 0 0 0 1 4 0.94588 5 4.8 0.2 4.6 verbosity 0.22032995487955562

rough SYN bumpy RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_2/5,EMTION\_1/5 rough can be used with the same meaning of bumpy 0 0 0 0 5 0.945058333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

rough RANDOM animal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rough RANDOM film n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rough RANDOM freeze n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rough RANDOM knife n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rough RANDOM paint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rough RANDOM seat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rough RANDOM space n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depression ANT happiness EMOTION\_3/7,EMTION\_4/7 depression can be used as the opposite of happiness 0 0 0 0 5 0.923533333334 5 5.0 0.0 5.0 verbosity 0.26810164568162953

depression HYPER mood EMOTION\_3/7,EMTION\_4/7,NATURE\_1/7 depression is a kind of mood 0 0 0 1 4 0.950233333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

depression RANDOM body n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depression RANDOM common n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depression RANDOM dull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depression RANDOM fragile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depression RANDOM goal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depression RANDOM lie n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depression RANDOM molecule n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depression RANDOM pan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

even ANT bumpy RELATIONSHIP\_2/5,SPACE\_1/5,OBJECT\_1/5,NATURE\_1/5,EVENT\_1/5 even can be used as the opposite of bumpy 0 0 0 1 4 0.916175 5 4.8 0.2 4.6 verbosity 0.015247773698937109

even SYN flat OBJECT\_4/5,EVENT\_2/5 even can be used with the same meaning of flat 0 0 0 2 3 0.962766666667 5 4.6 0.3 4.3 wiktionary/en/en 1.0

even SYN level EMOTION\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_2/5 even can be used with the same meaning of level 0 0 0 0 5 0.971108333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

even RANDOM dance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

even RANDOM dog n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

even RANDOM drug n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

even RANDOM follow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

even RANDOM gear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

even RANDOM happiness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

even RANDOM jar n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disease HYPER illness OBJECT\_1/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 disease is a kind of illness 0 0 0 1 4 0.902533333334 5 4.8 0.2 4.6 wordnet/4.0 score

disease ANT health EMOTION\_1/5,EVENT\_3/5,RELATIONSHIP\_4/5,NATURE\_4/5 disease can be used as the opposite of health 0 0 0 2 3 0.9043 5 4.6 0.3 4.3 verbosity 1.2576111131182375

disease SYN sickness OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5,NATURE\_4/5 disease can be used with the same meaning of sickness 0 0 0 0 5 0.941116666667 5 5.0 0.0 5.0 wiktionary/de/en 1.0

disease RANDOM bread n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disease RANDOM element n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disease RANDOM emotion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disease RANDOM phrase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disease RANDOM pitch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disease RANDOM rear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disease RANDOM sadness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

poison HYPER kill EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_3/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_3/5 poison is a kind of kill 0 0 0 0 5 0.9647 5 5.0 0.0 5.0 wordnet/4.0 score

poison SYN contaminate OBJECT\_2/5,FOOD\_1/5,EVENT\_3/5,NATURE\_1/5 poison can be used with the same meaning of contaminate 0 0 0 1 4 0.911358333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

poison RANDOM birth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

poison RANDOM car n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

poison RANDOM commerce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

poison RANDOM dirty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

poison RANDOM grow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

poison RANDOM score n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

poison RANDOM shallow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

poison RANDOM table n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exercise ANT lazy EMOTION\_2/5,OBJECT\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,CULTURE\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_3/5 exercise can be used as the opposite of lazy 0 0 0 3 3 0.925616666667 6 4.5 0.3 4.2 verbosity 0.10955828654157364

exercise ANT rest EVENT\_4/5,NATURE\_1/5 exercise can be used as the opposite of rest 0 0 0 1 4 0.974491666667 5 4.8 0.2 4.6 verbosity 0.1787146411754432

exercise ANT sit EVENT\_5/5,RELATIONSHIP\_1/5 exercise can be used as the opposite of sit 0 0 0 2 3 0.941683333333 5 4.6 0.3 4.3 verbosity 0.033007596600833314

exercise RANDOM blanket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exercise RANDOM homosexual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exercise RANDOM kite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exercise RANDOM like n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exercise RANDOM lock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exercise RANDOM move n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exercise RANDOM pencil n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

full ANT half NATURE\_1/5,COLOR\_1/5,OBJECT\_4/5,FOOD\_1/5,TIME\_1/5,EVENT\_3/5 full can be used as the opposite of half 0 0 0 1 4 0.91305 5 4.8 0.2 4.6 verbosity 0.012568673503055681

full SYN complete EMOTION\_1/5,OBJECT\_1/5,TIME\_1/5,CULTURE\_1/5,EVENT\_3/5 full can be used with the same meaning of complete 0 0 0 2 3 0.944033333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

full RANDOM answer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

full RANDOM birth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

full RANDOM bring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

full RANDOM car n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

full RANDOM friend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

full RANDOM leisure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

full RANDOM steal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

full RANDOM stool n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hero HYPER character EVENT\_1/5,RELATIONSHIP\_4/5,CULTURE\_1/5 hero is a kind of character 0 0 0 2 3 0.978583333334 5 4.6 0.3 4.3 wordnet/4.0 score

hero HYPER human RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_1/5,EMTIONRELATIONSHIP\_1/5,CULTURE\_1/5,CULTURE\_2/5,EVENT\_1/5 hero is a kind of human 0 0 0 2 3 0.9595 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

hero HYPER person EMOTION\_2/5,RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5 hero is a kind of person 0 0 0 1 4 0.973283333334 5 4.8 0.2 4.6 dbpedia/en 0.5849625007211562

hero RANDOM approach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hero RANDOM asia n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hero RANDOM catch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hero RANDOM chill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hero RANDOM construct n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hero RANDOM empty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hero RANDOM sad n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exchange ANT keep OBJECT\_1/5,RELATIONSHIP\_1/5,EVENT\_3/5,BUSINESS\_1/5 exchange can be used as the opposite of keep 0 0 0 2 3 0.947625 5 4.6 0.3 4.3 verbosity 0.3739775879401847

exchange HYPER commerce EVENT\_1/5,BUSINESS\_5/5,CULTURE\_1/5 exchange is a kind of commerce 0 0 0 1 4 0.956966666666 5 4.8 0.2 4.6 wordnet/4.0 score

exchange RANDOM beat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exchange RANDOM begin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exchange RANDOM eye n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exchange RANDOM gift n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exchange RANDOM insect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exchange RANDOM nice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exchange RANDOM red n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exchange RANDOM suffer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

water ANT food FOOD\_5/5,OBJECT\_1/5 water can be used as the opposite of food 0 0 0 2 3 0.954241666667 5 4.6 0.3 4.3 verbosity 0.015247773698937109

water HYPER drink OBJECT\_3/5,FOOD\_3/5,CULTURE\_1/5,NATURE\_3/5 water is a kind of drink 0 0 0 0 5 0.972133333334 5 5.0 0.0 5.0 globalmind 2.807354922057604

water ANT desert EMOTION\_1/12,CULTURE\_1/12,BUSINESS\_1/12,RELATIONSHIP\_2/12,SPACE\_9/12,FOOD\_1/12,COMMUNICATION\_1/12,OBJECT\_2/12,COLOR\_1/12,TIME\_2/12,NATURE\_9/12,EVENT\_1/12 water can be used as the opposite of desert 0 0 0 0 5 0.9647 5 5.0 0.0 5.0 verbosity 0.009777121611529915

water ANT dry OBJECT\_1/5,COMMUNICATION\_1/5,EVENT\_2/5,NATURE\_3/5 water can be used as the opposite of dry 0 0 0 1 4 0.955875 5 4.8 0.2 4.6 verbosity 0.015024705273152196

water HYPER fluid OBJECT\_2/5,EVENT\_1/5,NATURE\_5/5 water is a kind of fluid 0 0 0 3 80 0.928279518072 83 4.96385542169 0.0352630032324 4.92859241846 conceptnet/4/en 2.321928094887362

water HYPER liquid OBJECT\_2/5,NATURE\_4/5 water is a kind of liquid 0 0 0 0 5 0.92888 5 5.0 0.0 5.0 globalmind 2.807354922057604

water PART\_OF sea OBJECT\_3/5,NATURE\_3/5,SPACE\_4/5 water is part of sea 0 0 0 0 5 0.9007 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

water RANDOM challenge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

water RANDOM choose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

water RANDOM decorate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink PART\_OF bathroom OBJECT\_4/5,CULTURE\_1/5,RELATIONSHIP\_1/5,SPACE\_3/5 sink is part of bathroom 0 0 0 0 5 0.912166666667 5 5.0 0.0 5.0 globalmind 2.0

sink RANDOM highway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink RANDOM hour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink RANDOM idea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink RANDOM liquid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink RANDOM lock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink RANDOM one n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink RANDOM ordinary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink RANDOM recreation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sink RANDOM wed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

separation ANT join RELATIONSHIP\_3/5,SPACE\_1/5,OBJECT\_1/5,TIME\_2/5,EVENT\_4/5 separation can be used as the opposite of join 0 0 0 0 5 0.962216666666 5 5.0 0.0 5.0 verbosity 0.01613970265525285

separation ANT keep EVENT\_5/5,RELATIONSHIP\_1/5 separation can be used as the opposite of keep 0 0 0 2 3 0.936366666667 5 4.6 0.3 4.3 verbosity 0.013283586818422956

separation ANT marriage EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_5/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,COLOR\_1/5,TIME\_2/5,NATURE\_1/5,EVENT\_1/5 separation can be used as the opposite of marriage 0 0 0 1 4 0.909375 5 4.8 0.2 4.6 verbosity 0.013462259806562429

separation ANT union EMOTION\_1/5,EVENT\_4/5,RELATIONSHIP\_3/5,CULTURE\_1/5 separation can be used as the opposite of union 0 0 0 0 5 0.944425 5 5.0 0.0 5.0 wordnet/4.0 score

separation SYN division EMOTION\_1/5,RELATIONSHIP\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_4/5 separation can be used with the same meaning of division 1 0 0 1 3 0.978183333333 5 4.0 3.0 1.0 wiktionary/de/en 1.0

separation RANDOM fill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

separation RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

separation RANDOM phrase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

separation RANDOM politician n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

separation RANDOM stock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

relaxation ANT stress EMOTION\_5/5,NATURE\_1/5 relaxation can be used as the opposite of stress 0 0 0 2 3 0.91234 5 4.6 0.3 4.3 verbosity 0.07610297908579165

relaxation PART\_OF recreation EMOTION\_2/5,RELATIONSHIP\_1/5,CULTURE\_1/5,EVENT\_2/5,EMTION\_1/5 relaxation is part of recreation 0 0 0 0 5 0.9754 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

relaxation SYN relax EMOTION\_2/5,NATURE\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_2/5,EMTION\_1/5 relaxation can be used with the same meaning of relax 0 0 0 0 5 0.969016666666 5 5.0 0.0 5.0 umbel 1.0

relaxation RANDOM approach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

relaxation RANDOM baggage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

relaxation RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

relaxation RANDOM fruit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

relaxation RANDOM job n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

relaxation RANDOM picture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

relaxation RANDOM sell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strong ANT fragile EMOTION\_2/5,NATURE\_2/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5 strong can be used as the opposite of fragile 0 0 0 1 4 0.94158 5 4.8 0.2 4.6 wiktionary/en/en 1.0

strong ANT weak EMOTION\_2/5,EVENT\_1/5,RELATIONSHIP\_3/5,NATURE\_1/5 strong can be used as the opposite of weak 0 0 0 1 5 0.88995 6 4.83333333333 0.166666666667 4.66666666666 wordnet/4.0 score

strong RANDOM bathroom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strong RANDOM bed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strong RANDOM construction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strong RANDOM cover n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strong RANDOM nail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strong RANDOM nose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strong RANDOM sign n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strong RANDOM ocean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

great SYN huge EMOTION\_1/3,SPACE\_1/3,NATURE\_1/3 Great can be used with the same meaning of huge 0 0 0 2 3 0.8624 5 4.6 0.3 4.3 wiktionary/de/en 1.0

great RANDOM account n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

great RANDOM be n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

great RANDOM beat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

great RANDOM bite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

great RANDOM complete n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

great RANDOM machine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

great RANDOM play n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

great RANDOM ring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

voice ANT silent COMMUNICATION\_3/5,CULTURE\_1/5,EVENT\_1/5,NATURE\_1/5 voice can be used as the opposite of silent 0 0 0 3 3 0.958433333333 6 4.5 0.3 4.2 verbosity 0.013640910669386311

voice HYPER sound EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5,FOOD\_1/5,COMMUNICATION\_3/5,OBJECT\_2/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 voice is a kind of sound 0 0 0 1 4 0.96005 5 4.8 0.2 4.6 wordnet/4.0 score

voice SYN speak RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,EVENT\_3/5 voice can be used with the same meaning of speak 0 0 0 0 5 0.946591666666 5 5.0 0.0 5.0 umbel 1.5849625007211563

voice RANDOM forest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

voice RANDOM hall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

voice RANDOM less n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

voice RANDOM math n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

voice RANDOM on n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

voice RANDOM sad n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

voice RANDOM saucepan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

study HYPER learn CULTURE\_2/5,EVENT\_3/5 study is a kind of learn 0 0 0 0 5 0.954966666666 5 5.0 0.0 5.0 wordnet/4.0 score

study HYPER school COMMUNICATION\_1/5,EVENT\_3/5,RELATIONSHIP\_1/5,SPACE\_2/5 study is a kind of school 0 0 0 2 3 0.909375 5 4.6 0.3 4.3 dbpedia/en 0.5849625007211562

study PART\_OF education COMMUNICATION\_2/5,CULTURE\_1/5,EVENT\_3/5,SPACE\_1/5 study is part of education 0 0 0 0 5 0.9472 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

study RANDOM remove n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

study RANDOM displease n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

study RANDOM horn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

study RANDOM pick n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

study RANDOM magic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

study RANDOM rise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

study RANDOM rough n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defeat ANT success RELATIONSHIP\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_2/5,EMTIONCOMMUNICATION\_1/5 defeat can be used as the opposite of success 0 0 0 0 5 0.95195 5 5.0 0.0 5.0 verbosity 0.05426966252812099

defeat ANT victory EMOTION\_1/5,RELATIONSHIP\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_5/5,EMTION\_1/5 defeat can be used as the opposite of victory 0 0 0 0 5 0.972308333334 5 5.0 0.0 5.0 verbosity 1.7822827430128882

defeat SYN beat RELATIONSHIP\_1/5,EVENT\_4/5,EMTION\_1/5 defeat can be used with the same meaning of beat 0 0 0 0 5 0.914958333334 5 5.0 0.0 5.0 wiktionary/en/en 1.0

defeat RANDOM boat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defeat RANDOM center n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defeat RANDOM education n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defeat RANDOM lid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defeat RANDOM motorcycle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defeat RANDOM pipe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defeat RANDOM professor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

punishment ANT praise EMOTION\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_3/5,EMTIONCOMMUNICATION\_1/5 punishment can be used as the opposite of praise 0 0 0 0 5 0.961608333333 5 5.0 0.0 5.0 verbosity 0.15156661217406003

punishment ANT reward EMOTION\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 punishment can be used as the opposite of reward 0 0 0 0 5 0.9644 5 5.0 0.0 5.0 verbosity 2.140619619786285

punishment RANDOM competition n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

punishment RANDOM dinner n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

punishment RANDOM forest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

punishment RANDOM spirit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

punishment RANDOM trust n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

punishment RANDOM vacuum n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

punishment RANDOM waterfall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divide SYN share OBJECT\_2/5,EVENT\_2/5,RELATIONSHIP\_1/5 divide can be used with the same meaning of share 0 0 0 0 5 0.962966666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

divide HYPER calculate RELATIONSHIP\_3/5,SPACE\_1/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_3/5 divide is a kind of calculate 0 0 0 2 3 0.973 5 4.6 0.3 4.3 wordnet/4.0 score

divide SYN separate COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_5/5 divide can be used with the same meaning of separate 0 0 0 0 5 0.9799 5 5.0 0.0 5.0 wiktionary/en/en 1.0

divide SYN split CULTURE\_1/5,EVENT\_5/5,NATURE\_1/5 divide can be used with the same meaning of split 0 0 0 0 5 0.895875 5 5.0 0.0 5.0 wiktionary/en/en 1.0

divide RANDOM control n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divide RANDOM cup n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divide RANDOM hollow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divide RANDOM illness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divide RANDOM instrument n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divide RANDOM match n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

win HYPER success RELATIONSHIP\_1/5,BUSINESS\_1/5,COMMUNICATION\_1/5,TIME\_1/5,CULTURE\_1/5,EVENT\_3/5,EMTION\_1/5 win is a kind of success 0 0 0 0 5 0.904391666666 5 5.0 0.0 5.0 wordnet/3.0 1.5849625007211563

win HYPER victory EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_4/5 win is a kind of victory 0 0 0 0 5 0.94385 5 5.0 0.0 5.0 wordnet/4.0 score

win RANDOM store n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

win RANDOM bush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

win RANDOM committee n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

win RANDOM develop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

win RANDOM freeze n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

win RANDOM hallway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

win RANDOM lightweight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

win RANDOM meet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

duck HYPER animal OBJECT\_1/5,NATURE\_4/5 duck is a kind of animal 0 0 0 2 3 0.918183333333 5 4.6 0.3 4.3 dbpedia/en 2.1699250014423126

duck HYPER bird OBJECT\_1/5,EVENT\_1/5,RELATIONSHIP\_2/5,NATURE\_4/5 duck is a kind of bird 0 0 0 0 5 0.948366666667 5 5.0 0.0 5.0 dbpedia/en 3.2479275134435857

duck HYPER move RELATIONSHIP\_4/5,SPACE\_1/5,OBJECT\_1/5,NATURE\_1/5,EVENT\_3/5 duck is a kind of move 0 0 1 1 3 0.90864 5 4.4 0.8 3.6 wordnet/4.0 score

duck RANDOM begin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

duck RANDOM bright n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

duck RANDOM clothe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

duck RANDOM club n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

duck RANDOM color n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

duck RANDOM crystal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

duck RANDOM death n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sugar HYPER food FOOD\_5/5,NATURE\_1/5 sugar is a kind of food 0 1 0 1 3 0.92002 5 4.2 1.7 2.5 conceptnet/4/en 1.5849625007211563

sugar ANT sour FOOD\_4/5,OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5 sugar can be used as the opposite of sour 0 0 0 2 3 0.935033333334 5 4.6 0.3 4.3 verbosity 0.08082477436854059

sugar PART\_OF candy OBJECT\_4/7,FOOD\_6/7,RELATIONSHIP\_1/7 sugar is part of candy 0 0 0 0 5 0.897508333333 5 5.0 0.0 5.0 conceptnet/4/en 2.0

sugar PART\_OF juice OBJECT\_1/5,FOOD\_5/5,NATURE\_2/5 sugar is part of juice 0 0 0 2 3 0.944875 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

sugar PART\_OF sweet FOOD\_4/5,EVENT\_1/5,NATURE\_2/5 sugar is part of sweet 0 0 0 1 4 0.946816666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

sugar RANDOM calm n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sugar RANDOM energetic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sugar RANDOM erect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sugar RANDOM like n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sugar RANDOM pain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cloud PART\_OF sky RELATIONSHIP\_2/6,NATURE\_6/6,OBJECT\_2/6,SPACE\_1/6,TIME\_1/6 cloud is part of sky 0 0 0 0 5 0.898625 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

cloud PART\_OF weather OBJECT\_2/5,RELATIONSHIP\_1/5,SPACE\_1/5,NATURE\_5/5 cloud is part of weather 0 0 0 1 4 0.937033333333 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

cloud RANDOM buy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cloud RANDOM coat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cloud RANDOM fashion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cloud RANDOM galaxy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cloud RANDOM mild n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cloud RANDOM powerful n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cloud RANDOM sleep n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cloud RANDOM squash n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

eye PART\_OF face OBJECT\_1/5,NATURE\_5/5 eye is part of face 0 0 0 0 5 0.94365 5 5.0 0.0 5.0 globalmind 3.8073549220576037

eye PART\_OF head OBJECT\_1/5,CULTURE\_1/5,NATURE\_5/5 eye is part of head 0 0 0 1 25 0.924849275362 26 4.96153846154 0.0384615384615 4.92307692308 conceptnet/4/en 3.8073549220576037

eye PART\_OF human OBJECT\_1/5,NATURE\_5/5 eye is part of human 0 0 0 1 4 0.931808333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

eye PART\_OF needle OBJECT\_5/5,NATURE\_1/5 eye is part of needle 0 0 0 0 5 0.950616666666 5 5.0 0.0 5.0 wordnet/4.0 score

eye RANDOM airplane n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

eye RANDOM cattle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

eye RANDOM fragile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

eye RANDOM lens n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

eye RANDOM map n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

eye RANDOM on n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike HYPER point OBJECT\_3/5,EVENT\_2/5,RELATIONSHIP\_1/5 spike is a kind of point 0 0 0 1 4 0.904083333334 5 4.8 0.2 4.6 wordnet/4.0 score

spike RANDOM confidence n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike RANDOM wake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike RANDOM value n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike RANDOM empty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike RANDOM jail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike RANDOM lens n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike RANDOM meal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike RANDOM reverse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spike RANDOM television n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flat ANT bumpy EMOTION\_1/5,SPACE\_1/5,OBJECT\_4/5,CULTURE\_1/5,EVENT\_1/5 flat can be used as the opposite of bumpy 0 0 0 0 5 0.890133333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

flat SYN smooth OBJECT\_4/5,COMMUNICATION\_1/5,EVENT\_1/5 flat can be used with the same meaning of smooth 0 0 0 2 3 0.921075 5 4.6 0.3 4.3 wiktionary/en/en 1.0

flat RANDOM bedroom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flat RANDOM branch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flat RANDOM disk n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flat RANDOM excitement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flat RANDOM finger n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flat RANDOM floor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flat RANDOM gentleman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flat RANDOM money n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

diamond HYPER crystal OBJECT\_4/5,NATURE\_3/5 diamond is a kind of crystal 0 0 0 2 3 0.904083333334 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

diamond HYPER material NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,CULTURE\_1/5 diamond is a kind of material 0 0 0 1 4 0.9599 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

diamond HYPER shape EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_3/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_2/5 diamond is a kind of shape 0 0 0 1 4 0.931875 5 4.8 0.2 4.6 conceptnet/4/en 2.0

diamond HYPER stone OBJECT\_3/5,NATURE\_4/5 diamond is a kind of stone 0 0 0 2 3 0.978583333334 5 4.6 0.3 4.3 conceptnet/4/en 2.0

diamond RANDOM air n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

diamond RANDOM appear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

diamond RANDOM cool n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

diamond RANDOM look n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

diamond RANDOM pretend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

diamond RANDOM shallow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

door ANT window OBJECT\_5/5,RELATIONSHIP\_1/5 door can be used as the opposite of window 0 0 0 2 3 0.939433333334 5 4.6 0.3 4.3 verbosity 2.296458325115889

door PART\_OF automobile RELATIONSHIP\_2/57,NATURE\_5/57,COMMUNICATION\_1/57,OBJECT\_56/57,CULTURE\_1/57,EVENT\_1/57 door is part of automobile 0 0 0 0 5 0.94875 5 5.0 0.0 5.0 globalmind 2.0

door PART\_OF car OBJECT\_5/5,SPACE\_1/5 door is part of car 0 0 0 0 5 0.951191666667 5 5.0 0.0 5.0 globalmind 2.807354922057604

door PART\_OF closet OBJECT\_5/5 door is part of closet 0 0 0 2 3 0.973583333334 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

door PART\_OF doorway EMOTION\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_2/5,TIME\_1/5,EVENT\_1/5 door is part of doorway 0 0 0 1 4 0.932166666667 5 4.8 0.2 4.6 wordnet/4.0 score

door PART\_OF house OBJECT\_5/5,NATURE\_2/5,SPACE\_2/5 door is part of house 0 0 0 0 5 0.934633333333 5 5.0 0.0 5.0 globalmind 3.9068905956085187

door RANDOM animate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

door RANDOM choose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

door RANDOM competition n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

door RANDOM descend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club HYPER weapon OBJECT\_4/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5,CULTURE\_1/5 club is a kind of weapon 0 0 0 1 4 0.965733333334 5 4.8 0.2 4.6 globalmind 2.0

club RANDOM beam n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club RANDOM climb n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club RANDOM constellation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club RANDOM dinner n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club RANDOM direction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club RANDOM dirty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club RANDOM like n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club RANDOM shore n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

club RANDOM transport n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company SYN business EMOTION\_1/5,CULTURE\_1/5,RELATIONSHIP\_2/5,BUSINESS\_4/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 company can be used with the same meaning of business 0 0 0 0 5 0.96355 5 5.0 0.0 5.0 wiktionary/de/en 1.0

company RANDOM ball n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company RANDOM boat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company RANDOM chair n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company RANDOM dish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company RANDOM leak n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company RANDOM mail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company RANDOM match n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company RANDOM stupid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

company RANDOM violent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

glass HYPER solid OBJECT\_5/5,EVENT\_1/5,NATURE\_1/5 glass is a kind of solid 0 0 0 1 4 0.9325 5 4.8 0.2 4.6 conceptnet/4/en 2.584962500721156

glass HYPER vessel OBJECT\_5/5,COMMUNICATION\_1/5,RELATIONSHIP\_2/5,CULTURE\_1/5 glass is a kind of vessel 0 0 0 2 3 0.958833333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

glass PART\_OF window EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 glass is part of window 0 0 0 0 6 0.9042 6 5.0 0.0 5.0 conceptnet/4/en 3.1699250014423126

glass RANDOM all n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

glass RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

glass RANDOM chain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

glass RANDOM hold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

glass RANDOM instruction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

glass RANDOM sex n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

glass RANDOM ship n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flag HYPER mark RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_4/5,CULTURE\_1/5,EVENT\_2/5 flag is a kind of mark 0 0 0 2 3 0.927483333333 5 4.6 0.3 4.3 wordnet/4.0 score

flag HYPER sign EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_5/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_1/5 flag is a kind of sign 0 0 0 2 3 0.952591666666 5 4.6 0.3 4.3 wordnet/4.0 score

flag RANDOM america n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flag RANDOM disk n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flag RANDOM eat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flag RANDOM lower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flag RANDOM misunderstand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flag RANDOM play n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flag RANDOM raise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flag RANDOM waterfall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

train HYPER practice OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5 train is a kind of practice 1 0 0 1 3 0.940266666667 5 4.0 3.0 1.0 umbel 1.0

train HYPER transportation OBJECT\_5/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5 train is a kind of transportation 0 0 0 0 5 0.944733333333 5 5.0 0.0 5.0 globalmind 3.0

train RANDOM body n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

train RANDOM cattle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

train RANDOM level n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

train RANDOM needle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

train RANDOM rank n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

train RANDOM respect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

train RANDOM stand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

train RANDOM telephone n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stick ANT log OBJECT\_5/5,NATURE\_2/5 stick can be used as the opposite of log 0 0 0 2 3 0.954166666666 5 4.6 0.3 4.3 verbosity 0.02556040232443273

stick SYN branch EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_4/5,COLOR\_1/5,TIME\_1/5,NATURE\_4/5,EVENT\_1/5 stick can be used with the same meaning of branch 0 0 0 0 5 0.956966666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

stick RANDOM asia n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stick RANDOM construct n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stick RANDOM elate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stick RANDOM hall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stick RANDOM well n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stick RANDOM illness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stick RANDOM loose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stick RANDOM party n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

harvest ANT plant CULTURE\_2/5,EVENT\_2/5,NATURE\_4/5 harvest can be used as the opposite of plant 1 0 0 1 3 0.967483333334 5 4.0 3.0 1.0 verbosity 0.047892812075871136

harvest SYN produce CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,TIME\_1/5,EVENT\_2/5 harvest can be used with the same meaning of produce 0 0 0 2 3 0.960283333334 5 4.6 0.3 4.3 wiktionary/de/en 1.0

harvest RANDOM civilization n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

harvest RANDOM game n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

harvest RANDOM humble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

harvest RANDOM idol n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

harvest RANDOM report n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

harvest RANDOM sour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

harvest RANDOM south n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

harvest RANDOM stale n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fly ANT land OBJECT\_1/5,EVENT\_5/5,RELATIONSHIP\_1/5,SPACE\_1/5 fly can be used as the opposite of land 0 0 0 0 5 0.889158333334 5 5.0 0.0 5.0 verbosity 0.053111336459562536

fly HYPER move COMMUNICATION\_1/5,EVENT\_5/5,SPACE\_1/5 fly is a kind of move 0 0 0 2 3 0.948791666666 5 4.6 0.3 4.3 wordnet/4.0 score

fly HYPER transport NATURE\_1/3,EVENT\_3/3,RELATIONSHIP\_2/3,CULTURE\_1/3 Fly is a kind of transport 0 0 0 0 5 0.89008 5 5.0 0.0 5.0 wordnet/4.0 score

fly HYPER travel EVENT\_4/5,RELATIONSHIP\_1/5,NATURE\_1/5 fly is a kind of travel 0 0 0 0 5 0.960208333334 5 5.0 0.0 5.0 wordnet/4.0 score

fly SYN escape EMOTION\_1/7,EVENT\_5/7,RELATIONSHIP\_1/7,NATURE\_1/7 fly can be used with the same meaning of escape 0 0 0 2 3 0.986233333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

fly SYN rise EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 fly can be used with the same meaning of rise 0 0 0 1 4 0.93555 5 4.8 0.2 4.6 wiktionary/en/en 1.0

fly RANDOM base n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fly RANDOM blanket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fly RANDOM drink n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fly RANDOM hide n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

word HYPER speech COMMUNICATION\_5/5,EVENT\_1/5,CULTURE\_1/5 word is a kind of speech 0 0 0 1 4 0.973283333334 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

word PART\_OF dictionary OBJECT\_1/5,COMMUNICATION\_5/5,EVENT\_2/5,NATURE\_1/5 word is part of dictionary 0 0 0 0 5 0.939841666667 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

word PART\_OF language EMOTION\_1/44,COLOR\_1/44,RELATIONSHIP\_3/44,BUSINESS\_2/44,NATURE\_7/44,FOOD\_1/44,COMMUNICATION\_38/44,OBJECT\_7/44,TIME\_1/44,EMTIONRELATIONSHIP\_1/44,CULTURE\_5/44,SPACE\_1/44,CULTURE\_2/44,EVENT\_1/44,EMTIONCOMMUNICATION\_1/44 word is part of language 0 0 0 0 5 0.917258333334 5 5.0 0.0 5.0 conceptnet/4/en 2.807354922057604

word PART\_OF phrase OBJECT\_1/5,COMMUNICATION\_4/5,EVENT\_1/5 word is part of phrase 0 0 0 0 5 0.926425 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

word PART\_OF sentence OBJECT\_2/5,COMMUNICATION\_5/5,NATURE\_1/5 word is part of sentence 0 0 0 0 5 0.938316666666 5 5.0 0.0 5.0 conceptnet/4/en 3.8073549220576037

word RANDOM act n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

word RANDOM affair n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

word RANDOM air n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

word RANDOM clean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

word RANDOM hot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

room HYPER apartment OBJECT\_1/5,SPACE\_5/5 room is a kind of apartment 0 0 0 1 4 0.943058333333 5 4.8 0.2 4.6 conceptnet/4/en 0.0

room HYPER place SPACE\_5/5 room is a kind of place 0 0 0 0 5 0.92444 5 5.0 0.0 5.0 dbpedia/en 2.1699250014423126

room PART\_OF house OBJECT\_4/5,NATURE\_2/5,SPACE\_4/5 room is part of house 0 0 0 0 5 0.974516666666 5 5.0 0.0 5.0 globalmind 2.0

room RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

room RANDOM dash n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

room RANDOM disease n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

room RANDOM friend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

room RANDOM leaf n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

room RANDOM meal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

room RANDOM pay n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ride ANT walk EVENT\_5/5 ride can be used as the opposite of walk 0 0 0 2 3 0.923333333334 5 4.6 0.3 4.3 wordnet/4.0 score

ride ANT park OBJECT\_1/5,CULTURE\_1/5,EVENT\_5/5 ride can be used as the opposite of park 0 0 0 2 3 0.975783333333 5 4.6 0.3 4.3 verbosity 0.008993263639679075

ride RANDOM be n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ride RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ride RANDOM brave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ride RANDOM cup n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ride RANDOM dog n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ride RANDOM evil n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ride RANDOM kid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ride RANDOM nail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pretend SYN act EMOTION\_1/5,COMMUNICATION\_1/5,CULTURE\_2/5,CULTURE\_1/5,EVENT\_2/5 pretend can be used with the same meaning of act 0 0 0 1 4 0.964066666666 5 4.8 0.2 4.6 wiktionary/de/en 1.0

pretend SYN lie EMOTION\_2/5,NATURE\_1/5,COMMUNICATION\_2/5,EMTIONRELATIONSHIP\_1/5,CULTURE\_2/5,EMTION\_1/5 pretend can be used with the same meaning of lie 0 0 0 1 4 0.954625 5 4.8 0.2 4.6 wiktionary/de/en 1.0

pretend RANDOM clergyman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pretend RANDOM fog n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pretend RANDOM gang n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pretend RANDOM hammer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pretend RANDOM ice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pretend RANDOM lady n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pretend RANDOM lock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pretend RANDOM sheep n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roof PART\_OF bus OBJECT\_5/5,SPACE\_1/5,NATURE\_3/5 roof is part of bus 0 0 0 2 3 0.952708333334 5 4.6 0.3 4.3 wordnet/4.0 score

roof PART\_OF cave OBJECT\_2/5,SPACE\_4/5 roof is part of cave 0 0 0 2 3 0.930091666667 5 4.6 0.3 4.3 wordnet/4.0 score

roof PART\_OF construction NATURE\_2/5,OBJECT\_5/5,CULTURE\_1/5,SPACE\_2/5,EVENT\_1/5 roof is part of construction 0 0 0 1 4 0.953083333334 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

roof PART\_OF house OBJECT\_5/5,NATURE\_1/5,RELATIONSHIP\_1/5,SPACE\_2/5 roof is part of house 0 0 0 0 5 0.918025 5 5.0 0.0 5.0 globalmind 3.4594316186372978

roof RANDOM book n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roof RANDOM continent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roof RANDOM dance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roof RANDOM idea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roof RANDOM practice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roof RANDOM season n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soup HYPER dish FOOD\_5/5,EVENT\_1/5,RELATIONSHIP\_1/5 soup is a kind of dish 0 0 0 2 3 0.931208333333 5 4.6 0.3 4.3 wordnet/4.0 score

soup HYPER food FOOD\_5/5,COMMUNICATION\_1/5,OBJECT\_2/5 soup is a kind of food 0 0 0 0 5 0.945533333333 5 5.0 0.0 5.0 globalmind 4.321928094887363

soup PART\_OF meal EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_5/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_1/5 soup is part of meal 0 0 0 1 4 0.921658333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

soup RANDOM beach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soup RANDOM beam n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soup RANDOM instruction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soup RANDOM mate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soup RANDOM screw n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soup RANDOM sofa n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soup RANDOM teach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sour ANT sweet FOOD\_4/5,COLOR\_1/5,EVENT\_1/5 sour can be used as the opposite of sweet 0 0 0 0 5 0.962766666667 5 5.0 0.0 5.0 verbosity 0.5340283908270402

sour HYPER taste EMOTION\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,EMTION\_1/5 sour is a kind of taste 0 0 0 6 112 0.980942842402 118 4.94915254237 0.0486744893525 4.90047805302 wordnet/4.0 score

sour RANDOM all n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sour RANDOM compress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sour RANDOM contaminate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sour RANDOM hate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sour RANDOM integrity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sour RANDOM noise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sour RANDOM pencil n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sour RANDOM travel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den HYPER place SPACE\_5/5 den is a kind of place 0 0 0 1 4 0.9022 5 4.8 0.2 4.6 dbpedia/en 0.5849625007211562

den RANDOM blow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den RANDOM bottle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den RANDOM breathe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den RANDOM document n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den RANDOM effect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den RANDOM ifn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den RANDOM newspaper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den RANDOM plastic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

den RANDOM rare n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

root ANT trunk OBJECT\_2/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5 root can be used as the opposite of trunk 0 0 0 2 3 0.973283333334 5 4.6 0.3 4.3 verbosity 0.008993263639679075

root HYPER growth OBJECT\_1/5,TIME\_1/5,NATURE\_5/5 root is a kind of growth 0 0 0 1 4 0.921075 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

root PART\_OF plant NATURE\_5/5 root is part of plant 0 0 0 0 5 0.936591666666 5 5.0 0.0 5.0 globalmind 3.0

root PART\_OF tooth OBJECT\_1/5,CULTURE\_1/5,SPACE\_1/5,NATURE\_4/5 root is part of tooth 0 0 0 0 5 0.890316666667 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

root PART\_OF tree OBJECT\_1/5,CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 root is part of tree 0 0 0 0 5 0.905725 5 5.0 0.0 5.0 globalmind 2.807354922057604

root RANDOM arrive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

root RANDOM care n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

root RANDOM far n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

root RANDOM gear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

root RANDOM heat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control HYPER test OBJECT\_1/5,COMMUNICATION\_1/5,EVENT\_5/5 control is a kind of test 0 0 0 2 3 0.968283333334 5 4.6 0.3 4.3 wordnet/4.0 score

control RANDOM all n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control RANDOM club n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control RANDOM fun n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control RANDOM library n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control RANDOM manufacture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control RANDOM past n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

control RANDOM port n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heart HYPER muscle NATURE\_3/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,CULTURE\_1/5 heart is a kind of muscle 0 0 0 1 4 0.885525 5 4.8 0.2 4.6 conceptnet/4/en 3.4594316186372978

heart HYPER organ NATURE\_5/5 heart is a kind of organ 0 0 0 0 5 0.943058333333 5 5.0 0.0 5.0 globalmind 2.584962500721156

heart HYPER shape EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_3/5,COMMUNICATION\_1/5,OBJECT\_4/5,CULTURE\_1/5 heart is a kind of shape 0 0 0 0 5 0.914275 5 5.0 0.0 5.0 conceptnet/4/en 2.0

heart PART\_OF body OBJECT\_17/76,CULTURE\_4/76,RELATIONSHIP\_3/76,NATURE\_76/76 heart is part of body 0 0 0 1 4 0.970216666666 5 4.8 0.2 4.6 conceptnet/4/en 2.807354922057604

heart SYN courage EMOTION\_2/5,OBJECT\_2/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,NATURE\_4/5,COLOR\_1/5,TIME\_1/5,EVENT\_2/5,EMTION\_2/5 heart can be used with the same meaning of courage 0 0 0 2 3 0.94705 5 4.6 0.3 4.3 wiktionary/de/en 1.0

heart SYN spirit EMOTION\_3/5,EVENT\_1/5,EMTION\_2/5,NATURE\_1/5 heart can be used with the same meaning of spirit 0 0 0 2 3 0.938991666666 5 4.6 0.3 4.3 wiktionary/de/en 1.0

heart RANDOM gent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heart RANDOM mistake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heart RANDOM open n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heart RANDOM shop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

want ANT have RELATIONSHIP\_3/5,EVENT\_3/5,EMTION\_1/5,NATURE\_2/5 want can be used as the opposite of have 0 0 0 2 3 0.974983333333 5 4.6 0.3 4.3 wiktionary/de/en 1.0

want HYPER demand EMOTION\_2/5,RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,CULTURE\_2/5,EVENT\_1/5,EMTION\_1/5 want is a kind of demand 0 0 0 2 3 0.931725 5 4.6 0.3 4.3 wordnet/4.0 score

want RANDOM bottle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

want RANDOM idle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

want RANDOM individual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

want RANDOM kite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

want RANDOM leak n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

want RANDOM lightweight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

want RANDOM sugar n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

want RANDOM past n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

give ANT take OBJECT\_1/5,CULTURE\_1/5,EVENT\_5/5 give can be used as the opposite of take 0 0 0 0 5 0.96205 5 5.0 0.0 5.0 wordnet/4.0 score

give HYPER perform CULTURE\_1/5,COMMUNICATION\_1/5,EVENT\_5/5,NATURE\_1/5 give is a kind of perform 0 1 0 1 3 0.93455 5 4.2 1.7 2.5 wordnet/4.0 score

give HYPER share EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,CULTURE\_2/5,EVENT\_2/5 give is a kind of share 0 0 0 1 4 0.974933333333 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

give SYN move NATURE\_1/5,EVENT\_5/5,SPACE\_1/5 give can be used with the same meaning of move 0 0 0 2 3 0.969033333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

give RANDOM band n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

give RANDOM father n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

give RANDOM hot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

give RANDOM lock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

give RANDOM pencil n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

give RANDOM poem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip SYN mistake EMOTION\_1/5,COMMUNICATION\_1/5,EVENT\_3/5,CULTURE\_1/5 slip can be used with the same meaning of mistake 0 1 0 1 3 0.931725 5 4.2 1.7 2.5 wiktionary/en/en 1.0

slip RANDOM army n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip RANDOM boy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip RANDOM comfortable n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip RANDOM communicate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip RANDOM cook n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip RANDOM medicine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip RANDOM misunderstand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip RANDOM pick n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slip RANDOM pot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dress ANT strip RELATIONSHIP\_2/5,NATURE\_1/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_2/5 dress can be used as the opposite of strip 0 0 0 1 4 0.966233333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

dress SYN costume OBJECT\_4/5,CULTURE\_1/5,RELATIONSHIP\_1/5,CULTURE\_1/5 dress can be used with the same meaning of costume 0 0 0 1 4 0.9167 5 4.8 0.2 4.6 wiktionary/de/en 1.0

dress SYN gown EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_2/5 dress can be used with the same meaning of gown 0 0 0 0 5 0.927941666666 5 5.0 0.0 5.0 wiktionary/de/en 1.0

dress RANDOM animal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dress RANDOM chest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dress RANDOM dull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dress RANDOM juice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dress RANDOM middle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dress RANDOM player n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dress RANDOM priest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

end ANT middle OBJECT\_1/5,EVENT\_3/5,RELATIONSHIP\_3/5,NATURE\_1/5 end can be used as the opposite of middle 0 0 0 2 3 0.918058333333 5 4.6 0.3 4.3 wordnet/4.0 score

end HYPER part RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_2/5,TIME\_1/5,EVENT\_3/5 end is a kind of part 0 0 0 2 3 0.953166666666 5 4.6 0.3 4.3 wordnet/4.0 score

end PART\_OF event CULTURE\_1/5,EVENT\_5/5,RELATIONSHIP\_1/5,NATURE\_1/5 end is part of event 0 0 0 2 3 0.919366666667 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

end PART\_OF story SPACE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_5/5 end is part of story 0 0 0 0 5 0.92065 5 5.0 0.0 5.0 globalmind 2.0

end SYN conclusion EMOTION\_4/71,COLOR\_3/71,CULTURE\_10/71,BUSINESS\_3/71,RELATIONSHIP\_12/71,SPACE\_7/71,FOOD\_3/71,COMMUNICATION\_11/71,OBJECT\_6/71,CULTURE\_3/71,TIME\_23/71,NATURE\_4/71,EVENT\_59/71 end can be used with the same meaning of conclusion 0 0 0 1 4 0.967941666666 5 4.8 0.2 4.6 wiktionary/en/en 1.0

end RANDOM delight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

end RANDOM ordinary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

end RANDOM potato n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

end RANDOM push n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

end RANDOM rain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy ANT communism EMOTION\_1/6,RELATIONSHIP\_3/6,COMMUNICATION\_1/6,CULTURE\_2/6,CULTURE\_1/6,EVENT\_3/6 democracy can be used as the opposite of communism 0 0 0 1 4 0.921225 5 4.8 0.2 4.6 verbosity 0.1779893495122409

democracy RANDOM baby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy RANDOM beach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy RANDOM beam n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy RANDOM construct n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy RANDOM lock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy RANDOM mean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy RANDOM neutron n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy RANDOM peace n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

democracy RANDOM record n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit ANT stand EVENT\_5/5,RELATIONSHIP\_1/5 sit can be used as the opposite of stand 0 0 0 1 4 0.973933333333 5 4.8 0.2 4.6 wordnet/4.0 score

sit RANDOM collection n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit RANDOM commerce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit RANDOM home n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit RANDOM ice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit RANDOM radio n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit RANDOM respect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit RANDOM superior n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit RANDOM surface n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sit RANDOM tan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

travel HYPER action NATURE\_1/5,SPACE\_1/5,CULTURE\_1/5,TIME\_1/5,EVENT\_4/5 travel is a kind of action 0 0 0 0 5 0.94146 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

travel SYN tour SPACE\_4/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_4/5 travel can be used with the same meaning of tour 0 0 0 2 3 0.952708333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

travel SYN trip EVENT\_5/5,SPACE\_1/5 travel can be used with the same meaning of trip 0 0 0 1 4 0.935891666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

travel RANDOM antique n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

travel RANDOM rank n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

travel RANDOM grip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

travel RANDOM mine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

travel RANDOM reality n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

travel RANDOM scale n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

travel RANDOM separate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

comfort ANT distress EMOTION\_4/5,RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_1/5 comfort can be used as the opposite of distress 0 0 0 3 3 0.949 6 4.5 0.3 4.2 verbosity 0.04264433740849372

comfort ANT uncomfortable EMOTION\_5/5,RELATIONSHIP\_2/5 comfort can be used as the opposite of uncomfortable 1 0 0 0 4 0.91824 5 4.2 3.2 1.0 verbosity 0.0077080951352630975

comfort HYPER support EMOTION\_1/5,RELATIONSHIP\_1/5,EMTIONRELATIONSHIP\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_2/5,EMTION\_1/5 comfort is a kind of support 0 0 0 1 4 0.951633333334 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

comfort RANDOM attach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

comfort RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

comfort RANDOM lover n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

comfort RANDOM move n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

comfort RANDOM point n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

comfort RANDOM shape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

comfort RANDOM smile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feature PART\_OF face EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5,OBJECT\_2/5,CULTURE\_1/5 feature is part of face 0 0 0 2 3 0.9535 5 4.6 0.3 4.3 wordnet/4.0 score

feature PART\_OF newspaper OBJECT\_2/5,COMMUNICATION\_2/5,RELATIONSHIP\_1/5,NATURE\_1/5 feature is part of newspaper 0 0 0 1 4 0.972391666667 5 4.8 0.2 4.6 wordnet/4.0 score

feature RANDOM drown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feature RANDOM globe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feature RANDOM illuminate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feature RANDOM leave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feature RANDOM line n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feature RANDOM liquid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feature RANDOM mail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feature RANDOM plot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

write SYN post EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 write can be used with the same meaning of post 0 0 0 0 5 0.966233333334 5 5.0 0.0 5.0 wiktionary/en/en 1.0

write RANDOM mild n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

write RANDOM mold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

write RANDOM party n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

write RANDOM sleep n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

write RANDOM support n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

write RANDOM toe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

write RANDOM tool n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

write RANDOM hero n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

forest HYPER land OBJECT\_1/5,NATURE\_4/5,SPACE\_4/5 forest is a kind of land 0 0 0 2 3 0.973866666667 5 4.6 0.3 4.3 wordnet/4.0 score

forest HYPER place NATURE\_1/5,SPACE\_4/5 forest is a kind of place 0 0 0 2 3 0.92855 5 4.6 0.3 4.3 dbpedia/en 0.5849625007211562

forest PART\_OF nature EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_4/5,TIME\_1/5,EVENT\_1/5 forest is part of nature 0 0 0 0 5 0.911808333334 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

forest RANDOM calm n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

forest RANDOM empty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

forest RANDOM liquid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

forest RANDOM new n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

forest RANDOM reality n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

forest RANDOM sit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

forest RANDOM smile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plant ANT meat OBJECT\_2/5,FOOD\_3/5,RELATIONSHIP\_1/5,NATURE\_4/5 plant can be used as the opposite of meat 0 0 0 2 3 0.9561 5 4.6 0.3 4.3 verbosity 0.02471948580260044

plant HYPER organism EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 plant is a kind of organism 0 0 0 1 4 0.976733333333 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

plant PART\_OF nature RELATIONSHIP\_2/5,NATURE\_5/5,OBJECT\_2/5,CULTURE\_1/5,SPACE\_1/5,CULTURE\_1/5 plant is part of nature 0 0 0 1 4 0.9628 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

plant RANDOM belief n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plant RANDOM date n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plant RANDOM energetic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plant RANDOM gift n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plant RANDOM mistake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plant RANDOM part n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plant RANDOM poison n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fever ANT cold EMOTION\_1/5,EVENT\_2/5,NATURE\_4/5 fever can be used as the opposite of cold 1 0 0 1 3 0.942733333333 5 4.0 3.0 1.0 verbosity 0.0922480386995471

fever HYPER illness COMMUNICATION\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5,NATURE\_3/5 fever is a kind of illness 0 0 0 2 3 0.941616666667 5 4.6 0.3 4.3 umbel 1.0

fever SYN temperature EVENT\_1/5,RELATIONSHIP\_2/5,NATURE\_3/5 fever can be used with the same meaning of temperature 0 0 0 1 4 0.925775 5 4.8 0.2 4.6 wiktionary/en/en 1.0

fever RANDOM class n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fever RANDOM cloudy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fever RANDOM costume n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fever RANDOM end n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fever RANDOM extinguish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fever RANDOM flesh n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fever RANDOM hold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot ANT stripe EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_4/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 spot can be used as the opposite of stripe 0 0 0 2 3 0.954125 5 4.6 0.3 4.3 verbosity 0.03738222200308026

spot RANDOM integrity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot RANDOM cook n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot RANDOM leader n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot RANDOM melt n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot RANDOM pale n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot RANDOM silent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot RANDOM screw n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot RANDOM trap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spot RANDOM unpleasant n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fungus HYPER organism EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 fungus is a kind of organism 0 0 0 2 3 0.961225 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

fungus RANDOM conflict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fungus RANDOM france n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fungus RANDOM john n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fungus RANDOM peach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fungus RANDOM see n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fungus RANDOM size n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fungus RANDOM square n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fungus RANDOM stop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wrong ANT correct EMOTION\_2/5,RELATIONSHIP\_2/5,COMMUNICATION\_2/5,CULTURE\_1/5,EVENT\_1/5 wrong can be used as the opposite of correct 0 0 0 0 5 0.94264 5 5.0 0.0 5.0 verbosity 1.0071955014042038

wrong RANDOM heat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wrong RANDOM hero n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wrong RANDOM increase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wrong RANDOM relax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wrong RANDOM skyscraper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wrong RANDOM sofa n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wrong RANDOM think n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wrong RANDOM traffic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

produce ANT consume BUSINESS\_3/5,FOOD\_1/5,COMMUNICATION\_1/5,TIME\_1/5,CULTURE\_1/5,EVENT\_2/5 produce can be used as the opposite of consume 0 0 0 1 4 0.9721 5 4.8 0.2 4.6 verbosity 0.04468387835288462

produce ANT destroy OBJECT\_1/5,COMMUNICATION\_1/5,EVENT\_4/5,NATURE\_1/5 produce can be used as the opposite of destroy 0 0 0 1 4 0.9724 5 4.8 0.2 4.6 verbosity 0.08095776726835364

produce HYPER make OBJECT\_1/5,EVENT\_4/5,BUSINESS\_2/5,NATURE\_1/5 produce is a kind of make 0 0 0 2 3 0.938841666667 5 4.6 0.3 4.3 wordnet/4.0 score

produce RANDOM blade n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

produce RANDOM cannabis n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

produce RANDOM communication n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

produce RANDOM equal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

produce RANDOM jump n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

produce RANDOM pick n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

produce RANDOM please n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

court PART\_OF courthouse RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_1/5,SPACE\_5/5,EVENT\_1/5 court is part of courthouse 0 0 0 0 5 0.9045 5 5.0 0.0 5.0 wordnet/4.0 score

court HYPER residence OBJECT\_2/5,CULTURE\_2/5,SPACE\_5/5 court is a kind of residence 0 0 0 2 3 0.986483333333 5 4.6 0.3 4.3 wordnet/4.0 score

court HYPER room OBJECT\_1/5,EVENT\_1/5,SPACE\_5/5 court is a kind of room 0 0 0 1 4 0.932366666667 5 4.8 0.2 4.6 wordnet/4.0 score

court RANDOM continent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

court RANDOM delight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

court RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

court RANDOM plastic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

court RANDOM problem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

court RANDOM ride n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

court RANDOM size n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grow HYPER change EMOTION\_12/124,OBJECT\_5/124,CULTURE\_7/124,BUSINESS\_5/124,RELATIONSHIP\_17/124,NATURE\_48/124,FOOD\_4/124,COMMUNICATION\_6/124,SPACE\_4/124,CULTURE\_5/124,TIME\_34/124,COLOR\_4/124,EVENT\_78/124 grow is a kind of change 0 0 0 0 5 0.92666 5 5.0 0.0 5.0 wordnet/4.0 score

grow PART\_OF live COMMUNICATION\_1/5,NATURE\_4/5,EVENT\_1/5,TIME\_2/5 grow is part of live 0 0 0 1 4 0.953258333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

grow SYN cultivate NATURE\_1/5,EVENT\_3/5,TIME\_1/5 grow can be used with the same meaning of cultivate 0 0 0 1 4 0.966425 5 4.8 0.2 4.6 umbel 2.584962500721156

grow RANDOM clean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grow RANDOM fine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grow RANDOM furniture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grow RANDOM gown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grow RANDOM nice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grow RANDOM passageway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grow RANDOM rubber n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

refuse ANT take EMOTION\_1/5,RELATIONSHIP\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_3/5 refuse can be used as the opposite of take 0 0 0 2 3 0.924758333333 5 4.6 0.3 4.3 verbosity 0.11686375769089867

refuse SYN trash EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_4/5,EMTIONRELATIONSHIP\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_2/5 refuse can be used with the same meaning of trash 0 0 0 0 5 0.936591666666 5 5.0 0.0 5.0 wiktionary/de/en 1.0

refuse RANDOM bitch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

refuse RANDOM integrity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

refuse RANDOM meal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

refuse RANDOM one n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

refuse RANDOM politician n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

refuse RANDOM rank n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

refuse RANDOM sea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

short ANT tall OBJECT\_3/5,CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5 short can be used as the opposite of tall 0 0 0 0 5 0.9191 5 5.0 0.0 5.0 verbosity 0.39973529831928534

short HYPER clothe OBJECT\_4/5,EVENT\_1/5,RELATIONSHIP\_3/5,CULTURE\_1/5 short is a kind of clothe 0 0 0 2 3 0.921883333334 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

short RANDOM chill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

short RANDOM hobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

short RANDOM noise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

short RANDOM rear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

short RANDOM weapon n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

short RANDOM skeleton n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

short RANDOM decorate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

short RANDOM stale n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dot SYN point EMOTION\_1/7,CULTURE\_1/7,BUSINESS\_1/7,RELATIONSHIP\_1/7,SPACE\_1/7,FOOD\_1/7,COMMUNICATION\_2/7,OBJECT\_6/7,COLOR\_1/7,TIME\_1/7,NATURE\_1/7,EVENT\_1/7 dot can be used with the same meaning of point 0 0 0 0 5 0.96295 5 5.0 0.0 5.0 wiktionary/en/en 1.0

dot ANT dash NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,CULTURE\_1/5,EVENT\_1/5 dot can be used as the opposite of dash 0 0 0 0 5 0.950833333333 5 5.0 0.0 5.0 verbosity 0.010779838753242761

dot SYN spot OBJECT\_5/5,COMMUNICATION\_2/5,RELATIONSHIP\_2/5 dot can be used with the same meaning of spot 0 0 0 1 4 0.978366666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

dot RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dot RANDOM creation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dot RANDOM full n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dot RANDOM human n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dot RANDOM mold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dot RANDOM past n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dot RANDOM question n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

doctor ANT patient RELATIONSHIP\_4/5,NATURE\_2/5 doctor can be used as the opposite of patient 0 1 0 1 3 0.92954 5 4.2 1.7 2.5 verbosity 0.025057151854908137

doctor HYPER human NATURE\_1/5,EVENT\_1/5,RELATIONSHIP\_3/5,CULTURE\_1/5 doctor is a kind of human 0 0 0 1 4 0.928525 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

doctor HYPER person RELATIONSHIP\_2/5,NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,TIME\_1/5,EVENT\_2/5 doctor is a kind of person 0 0 0 0 5 0.931091666666 5 5.0 0.0 5.0 conceptnet/4/en 3.700439718141092

doctor RANDOM castle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

doctor RANDOM dislike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

doctor RANDOM dull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

doctor RANDOM dwell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

doctor RANDOM film n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

doctor RANDOM pattern n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

doctor RANDOM profit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

green ANT red COLOR\_5/5 green can be used as the opposite of red 1 0 0 0 4 0.906175 5 4.2 3.2 1.0 verbosity 0.46330926352929036

green HYPER color COLOR\_5/5 green is a kind of color 0 0 0 0 5 0.967533333334 5 5.0 0.0 5.0 dbpedia/en 3.523561956057013

green RANDOM blade n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

green RANDOM college n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

green RANDOM creation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

green RANDOM empty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

green RANDOM game n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

green RANDOM half n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

green RANDOM hour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

green RANDOM restrict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shade ANT bright OBJECT\_1/5,COLOR\_3/5,EVENT\_2/5,RELATIONSHIP\_2/5 shade can be used as the opposite of bright 0 0 0 1 4 0.93896 5 4.8 0.2 4.6 verbosity 0.6202096184497936

shade ANT light RELATIONSHIP\_1/5,NATURE\_3/5,COLOR\_2/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5 shade can be used as the opposite of light 0 0 0 1 4 0.917633333334 5 4.8 0.2 4.6 verbosity 1.535209298896988

shade ANT sun RELATIONSHIP\_2/5,NATURE\_4/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5 shade can be used as the opposite of sun 0 0 0 0 5 0.969083333334 5 5.0 0.0 5.0 verbosity 2.302355660181103

shade ANT sunlight EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_3/5 shade can be used as the opposite of sunlight 0 0 0 1 4 0.940708333334 5 4.8 0.2 4.6 verbosity 1.0136284058290528

shade ANT sunshine SPACE\_1/5,COLOR\_1/5,OBJECT\_2/5,NATURE\_5/5,EVENT\_1/5 shade can be used as the opposite of sunshine 0 0 0 1 4 0.93084 5 4.8 0.2 4.6 verbosity 0.5877874154882909

shade SYN shadow RELATIONSHIP\_2/5,SPACE\_1/5,COLOR\_1/5,OBJECT\_1/5,NATURE\_1/5,EVENT\_3/5 shade can be used with the same meaning of shadow 0 0 0 1 4 0.966558333333 5 4.8 0.2 4.6 umbel 1.5849625007211563

shade RANDOM act n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shade RANDOM army n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shade RANDOM dress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shade RANDOM hammer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enter ANT exit SPACE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_4/5 enter can be used as the opposite of exit 0 0 0 0 5 0.9208 5 5.0 0.0 5.0 wordnet/4.0 score

enter ANT leave RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_4/5 enter can be used as the opposite of leave 0 0 0 0 5 0.9287 5 5.0 0.0 5.0 verbosity 0.4229326457653648

enter RANDOM climb n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enter RANDOM costume n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enter RANDOM crop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enter RANDOM egg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enter RANDOM emotion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enter RANDOM instrument n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enter RANDOM piece n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enter RANDOM rock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pleasure ANT unhappiness EMOTION\_3/5,RELATIONSHIP\_1/5,EMTION\_2/5,NATURE\_1/5 pleasure can be used as the opposite of unhappiness 0 0 0 0 5 0.96015 5 5.0 0.0 5.0 wiktionary/de/en 1.0

pleasure HYPER emotion EMOTION\_3/3,COMMUNICATION\_1/3,EVENT\_2/3 Pleasure is a kind of emotion 0 0 0 1 4 0.94918 5 4.8 0.2 4.6 umbel 1.0

pleasure HYPER feel EMOTION\_2/5,RELATIONSHIP\_1/5,EVENT\_1/5,EMTION\_2/5 pleasure is a kind of feel 0 0 0 2 3 0.967308333333 5 4.6 0.3 4.3 wordnet/3.0 1.5849625007211563

pleasure SYN happiness EMOTION\_3/5,EMTION\_2/5 pleasure can be used with the same meaning of happiness 0 0 0 0 5 0.927533333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

pleasure SYN joy EMOTION\_3/5,RELATIONSHIP\_1/5,NATURE\_1/5,EVENT\_1/5,EMTION\_2/5 pleasure can be used with the same meaning of joy 0 0 0 1 4 0.952708333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

pleasure SYN satisfaction EMOTION\_3/5,EVENT\_1/5,EMTION\_2/5 pleasure can be used with the same meaning of satisfaction 0 0 0 0 5 0.948916666666 5 5.0 0.0 5.0 wiktionary/de/en 1.0

pleasure RANDOM brave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pleasure RANDOM complicate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pleasure RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pleasure RANDOM flow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dream ANT reality TIME\_1/5,EVENT\_2/5,NATURE\_2/5 dream can be used as the opposite of reality 0 0 0 1 4 0.9381 5 4.8 0.2 4.6 verbosity 0.25633136547353685

dream PART\_OF sleep EMOTION\_1/5,CULTURE\_1/5,EVENT\_3/5,NATURE\_2/5 dream is part of sleep 0 0 0 0 5 0.971716666667 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

dream RANDOM character n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dream RANDOM donkey n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dream RANDOM dwell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dream RANDOM everyone n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dream RANDOM future n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dream RANDOM get n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dream RANDOM pan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dream RANDOM residence n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wing PART\_OF animal FOOD\_1/5,NATURE\_5/5 wing is part of animal 1 0 0 1 3 0.915 5 4.0 3.0 1.0 conceptnet/4/en 1.5849625007211563

wing PART\_OF airplane OBJECT\_5/5 wing is part of airplane 0 0 0 0 5 0.986233333334 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

wing PART\_OF angel EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_5/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 wing is part of angel 0 0 0 0 5 0.9614 5 5.0 0.0 5.0 wordnet/4.0 score

wing PART\_OF insect OBJECT\_2/5,NATURE\_5/5 wing is part of insect 0 0 0 0 5 0.937033333333 5 5.0 0.0 5.0 wordnet/4.0 score

wing RANDOM club n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wing RANDOM fragile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wing RANDOM part n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wing RANDOM pole n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wing RANDOM pure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wing RANDOM save n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

talk ANT write COMMUNICATION\_5/5,EVENT\_2/5,RELATIONSHIP\_1/5 talk can be used as the opposite of write 0 0 0 2 3 0.962666666667 5 4.6 0.3 4.3 verbosity 0.013164459198448008

talk ANT silent EMOTION\_1/5,COMMUNICATION\_4/5,EVENT\_1/5 talk can be used as the opposite of silent 0 0 0 2 4 0.95325 6 4.66666666667 0.266666666667 4.4 verbosity 0.48110946342432903

talk RANDOM buy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

talk RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

talk RANDOM disgust n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

talk RANDOM moon n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

talk RANDOM new n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

talk RANDOM prosecution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

talk RANDOM original n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

talk RANDOM mind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

help HYPER serve EMOTION\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,CULTURE\_1/5,EVENT\_4/5 help is a kind of serve 0 0 0 1 4 0.872958333334 5 4.8 0.2 4.6 wordnet/4.0 score

help HYPER support EMOTION\_2/5,RELATIONSHIP\_1/5,COMMUNICATION\_1/5,CULTURE\_1/5,EVENT\_4/5 help is a kind of support 0 0 0 1 4 0.924233333333 5 4.8 0.2 4.6 wordnet/4.0 score

help RANDOM climb n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

help RANDOM device n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

help RANDOM land n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

help RANDOM lobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

help RANDOM perfect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

help RANDOM reduce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

help RANDOM young n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

damage ANT protect EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 damage can be used as the opposite of protect 0 0 0 1 4 0.907725 5 4.8 0.2 4.6 verbosity 0.014355292977070055

damage SYN hurt EMOTION\_2/5,RELATIONSHIP\_1/5,NATURE\_1/5,TIME\_1/5,EVENT\_1/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 damage can be used with the same meaning of hurt 0 0 0 1 4 0.960233333334 5 4.8 0.2 4.6 wiktionary/de/en 1.0

damage RANDOM direction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

damage RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

damage RANDOM lazy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

damage RANDOM police n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

damage RANDOM relax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

damage RANDOM same n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

damage RANDOM trip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

damage RANDOM victory n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cold SYN freeze EVENT\_3/5,RELATIONSHIP\_1/5,NATURE\_3/5 cold can be used with the same meaning of freeze 0 0 0 2 3 0.89205 5 4.6 0.3 4.3 wiktionary/en/en 1.0

cold ANT friendly EMOTION\_3/5,RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_1/5,EMTION\_2/5 cold can be used as the opposite of friendly 0 0 0 1 4 0.974516666666 5 4.8 0.2 4.6 wiktionary/en/en 1.0

cold ANT heat NATURE\_2/5,OBJECT\_1/5,EMTIONRELATIONSHIP\_1/5,TIME\_1/5,EVENT\_1/5 cold can be used as the opposite of heat 0 0 0 0 5 0.920066666667 5 5.0 0.0 5.0 verbosity 0.08406426478847455

cold ANT hot EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_2/5,NATURE\_4/5,EVENT\_1/5 cold can be used as the opposite of hot 0 0 0 0 5 0.974783333333 5 5.0 0.0 5.0 verbosity 3.885647489651773

cold ANT warm OBJECT\_1/5,EMOTION\_1/5,EVENT\_1/5,NATURE\_2/5 cold can be used as the opposite of warm 0 0 0 0 5 0.95745 5 5.0 0.0 5.0 verbosity 1.0090843623412495

cold HYPER disease EMOTION\_1/6,EVENT\_2/6,RELATIONSHIP\_1/6,NATURE\_5/6 cold is a kind of disease 0 0 0 2 3 0.885525 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

cold HYPER sickness EMOTION\_1/5,NATURE\_4/5,CULTURE\_1/5,EVENT\_1/5,EMTION\_1/5 cold is a kind of sickness 0 0 0 0 5 0.977066666666 5 5.0 0.0 5.0 conceptnet/4/en 2.0

cold SYN chill FOOD\_1/5,CULTURE\_2/5,EVENT\_1/5,NATURE\_2/5 cold can be used with the same meaning of chill 0 0 0 0 5 0.914541666667 5 5.0 0.0 5.0 wiktionary/en/en 1.0

cold SYN cool EMOTION\_1/5,OBJECT\_1/5,BUSINESS\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,COLOR\_1/5,CULTURE\_1/5,TIME\_1/5,EVENT\_3/5,EMTIONCOMMUNICATION\_1/5 cold can be used with the same meaning of cool 0 0 0 2 3 0.944733333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

cold RANDOM bad n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

suffer HYPER emotion EMOTION\_3/7,EVENT\_1/7,EMTION\_4/7 suffer is a kind of emotion 0 0 0 0 5 0.951691666667 5 5.0 0.0 5.0 umbel 1.0

suffer HYPER experience EMTIONRELATIONSHIP\_1/5,EMOTION\_2/5,EVENT\_3/5,EMTION\_1/5 suffer is a kind of experience 0 0 0 2 3 0.874475 5 4.6 0.3 4.3 wordnet/4.0 score

suffer HYPER feel EMOTION\_3/5,RELATIONSHIP\_1/5,EVENT\_3/5,EMTION\_2/5 suffer is a kind of feel 0 0 0 2 3 0.940016666666 5 4.6 0.3 4.3 wordnet/4.0 score

suffer HYPER pain EMOTION\_3/5,NATURE\_1/5,COMMUNICATION\_1/5,EVENT\_1/5,EMTION\_2/5 suffer is a kind of pain 0 0 0 1 4 0.910975 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

suffer RANDOM atom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

suffer RANDOM sofa n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

suffer RANDOM challenge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

suffer RANDOM gent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

suffer RANDOM lose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

suffer RANDOM pick n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy PART\_OF universe NATURE\_2/5,SPACE\_4/5 galaxy is part of universe 0 0 0 1 4 0.922433333333 5 4.8 0.2 4.6 conceptnet/4/en 4.08746284125034

galaxy RANDOM eyeglass n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy RANDOM learn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy RANDOM male n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy RANDOM mobile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy RANDOM nail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy RANDOM part n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy RANDOM rise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

galaxy RANDOM stupid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

group ANT individual RELATIONSHIP\_4/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5 group can be used as the opposite of individual 0 0 0 0 5 0.969666666666 5 5.0 0.0 5.0 verbosity 0.1198109942255479

group ANT separate RELATIONSHIP\_2/5,NATURE\_2/5,OBJECT\_1/5,CULTURE\_2/5,EVENT\_2/5 group can be used as the opposite of separate 0 0 0 2 3 0.909058333334 5 4.6 0.3 4.3 verbosity 0.04474382122439775

group SYN collection EMOTION\_1/22,COLOR\_1/22,BUSINESS\_1/22,RELATIONSHIP\_12/22,NATURE\_2/22,FOOD\_1/22,COMMUNICATION\_1/22,OBJECT\_9/22,TIME\_1/22,CULTURE\_3/22,SPACE\_1/22,CULTURE\_3/22,EVENT\_5/22 group can be used with the same meaning of collection 0 0 0 2 3 0.931833333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

group SYN set EMOTION\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_4/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_3/5 group can be used with the same meaning of set 0 0 0 2 3 0.9432 5 4.6 0.3 4.3 wiktionary/en/en 1.0

group RANDOM comfort n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

group RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

group RANDOM foot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

group RANDOM mammal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

group RANDOM rough n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

group RANDOM simple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

window PART\_OF bus OBJECT\_5/5 window is part of bus 0 0 0 1 4 0.978583333334 5 4.8 0.2 4.6 wordnet/4.0 score

window PART\_OF house OBJECT\_5/5,SPACE\_1/5 window is part of house 0 0 0 1 4 0.941683333333 5 4.8 0.2 4.6 globalmind 2.807354922057604

window RANDOM apple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

window RANDOM box n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

window RANDOM close n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

window RANDOM cold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

window RANDOM criminal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

window RANDOM individual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

window RANDOM rare n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

window RANDOM shout n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strange ANT standard EMOTION\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,CULTURE\_2/5,CULTURE\_1/5,EVENT\_1/5 strange can be used as the opposite of standard 0 0 0 1 4 0.924366666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

strange ANT friend EMOTION\_3/5,EVENT\_1/5,RELATIONSHIP\_4/5 strange can be used as the opposite of friend 1 0 0 1 3 0.934033333334 5 4.0 3.0 1.0 verbosity 0.2686014706247893

strange SYN unknown RELATIONSHIP\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5,EMTION\_1/5 strange can be used with the same meaning of unknown 0 1 0 9 25 0.9388703125 35 4.65714285714 0.408403361345 4.2487394958 wiktionary/en/en 1.0

strange SYN weird EMOTION\_1/5,NATURE\_1/5,COMMUNICATION\_2/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5,EMTION\_1/5 strange can be used with the same meaning of weird 0 0 0 0 5 0.93915 5 5.0 0.0 5.0 wiktionary/en/en 1.0

strange RANDOM excitement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strange RANDOM recess n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strange RANDOM park n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strange RANDOM lobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strange RANDOM lower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

strange RANDOM mark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

good SYN well EMOTION\_3/5,RELATIONSHIP\_1/5,NATURE\_1/5,CULTURE\_1/5,EMTION\_1/5 good can be used with the same meaning of well 0 0 0 1 4 0.939833333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

good HYPER quality EMOTION\_4/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 good is a kind of quality 0 1 0 22 72 0.925258947368 95 4.73684210526 0.259798432251 4.47704367301 wordnet/4.0 score

good RANDOM bread n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

good RANDOM clear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

good RANDOM descend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

good RANDOM grass n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

good RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

good RANDOM new n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

good RANDOM ordinary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

good RANDOM up n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

practice ANT theory EVENT\_4/5,RELATIONSHIP\_1/5 practice can be used as the opposite of theory 0 0 0 2 3 0.95665 5 4.6 0.3 4.3 verbosity 0.10153802646206231

practice SYN exercise OBJECT\_1/5,CULTURE\_1/5,EVENT\_5/5,NATURE\_1/5 practice can be used with the same meaning of exercise 0 0 0 2 3 0.978366666666 5 4.6 0.3 4.3 wiktionary/en/en 1.0

practice SYN train BUSINESS\_1/5,SPACE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_3/5 practice can be used with the same meaning of train 0 0 0 2 3 0.9494 5 4.6 0.3 4.3 wiktionary/en/en 1.0

practice SYN trial CULTURE\_2/5,EVENT\_3/5 practice can be used with the same meaning of trial 0 0 0 2 3 0.947108333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

practice RANDOM body n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

practice RANDOM criminal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

practice RANDOM lady n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

practice RANDOM lazy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

practice RANDOM lover n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

practice RANDOM mean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

they ANT we OBJECT\_1/5,RELATIONSHIP\_5/5,NATURE\_2/5 they can be used as the opposite of we 0 0 0 2 3 0.949475 5 4.6 0.3 4.3 wiktionary/de/en 2.321928094887362

they ANT you COMMUNICATION\_1/5,RELATIONSHIP\_4/5,TIME\_1/5 they can be used as the opposite of you 0 0 0 2 3 0.986216666666 5 4.6 0.3 4.3 wiktionary/de/en 2.321928094887362

they RANDOM cap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

they RANDOM fat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

they RANDOM honey n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

they RANDOM jail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

they RANDOM kite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

they RANDOM mature n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

they RANDOM reason n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

they RANDOM retire n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

half ANT all OBJECT\_1/5,CULTURE\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5 half can be used as the opposite of all 0 0 0 2 3 0.978583333334 5 4.6 0.3 4.3 verbosity 0.007199090193374334

half ANT whole OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_5/5 half can be used as the opposite of whole 0 0 0 2 3 0.938308333334 5 4.6 0.3 4.3 verbosity 0.21940088215824097

half HYPER part RELATIONSHIP\_3/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5 half is a kind of part 0 0 0 1 4 0.928958333333 5 4.8 0.2 4.6 wordnet/4.0 score

half RANDOM apple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

half RANDOM culture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

half RANDOM growth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

half RANDOM hole n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

half RANDOM needle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

half RANDOM pain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

half RANDOM passageway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foot PART\_OF body OBJECT\_2/5,RELATIONSHIP\_1/5,NATURE\_5/5 foot is part of body 0 0 0 1 4 0.959 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

foot PART\_OF human OBJECT\_1/5,NATURE\_5/5 foot is part of human 0 0 0 0 5 0.974983333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

foot PART\_OF yard NATURE\_2/5,EVENT\_1/5,SPACE\_3/5 foot is part of yard 0 0 0 2 3 0.962083333333 5 4.6 0.3 4.3 wordnet/4.0 score

foot RANDOM cigarette n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foot RANDOM hollow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foot RANDOM honesty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foot RANDOM mortal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foot RANDOM old n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foot RANDOM pillow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foot RANDOM plan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hall HYPER place SPACE\_5/5 hall is a kind of place 0 0 0 2 3 0.9316 5 4.6 0.3 4.3 dbpedia/en 0.5849625007211562

hall SYN hallway OBJECT\_3/5,NATURE\_1/5,RELATIONSHIP\_1/5,SPACE\_5/5 hall can be used with the same meaning of hallway 0 0 0 0 5 0.942558333334 5 5.0 0.0 5.0 umbel 1.5849625007211563

hall RANDOM everyone n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hall RANDOM gown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hall RANDOM mine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hall RANDOM motorcycle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hall RANDOM nose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hall RANDOM performance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hall RANDOM real n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hall RANDOM statement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

university HYPER college OBJECT\_1/5,CULTURE\_2/5,SPACE\_3/5 university is a kind of college 0 0 0 0 5 0.974983333334 5 5.0 0.0 5.0 conceptnet/4/en 0.0

university HYPER school EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_4/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_2/5,CULTURE\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_1/5 university is a kind of school 0 0 0 0 5 0.986216666666 5 5.0 0.0 5.0 conceptnet/4/en 2.584962500721156

university RANDOM bathroom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

university RANDOM cannabis n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

university RANDOM couple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

university RANDOM fall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

university RANDOM kindness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

university RANDOM mouse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

university RANDOM pot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

university RANDOM reproduction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fisherman HYPER human CULTURE\_2/5,EVENT\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5 fisherman is a kind of human 0 0 0 1 4 0.91252 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

fisherman HYPER person OBJECT\_2/5,CULTURE\_2/5,RELATIONSHIP\_1/5,NATURE\_2/5 fisherman is a kind of person 0 0 0 0 5 0.93915 5 5.0 0.0 5.0 dbpedia/en 0.5849625007211562

fisherman RANDOM bad n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fisherman RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fisherman RANDOM document n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fisherman RANDOM hem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fisherman RANDOM penis n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fisherman RANDOM program n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fisherman RANDOM waterfall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fisherman RANDOM wet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

victory SYN success EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 victory can be used with the same meaning of success 0 0 0 0 5 0.961933333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

victory SYN win EMOTION\_1/5,CULTURE\_1/5,EVENT\_4/5,CULTURE\_1/5 victory can be used with the same meaning of win 0 0 0 0 5 0.874066666667 5 5.0 0.0 5.0 wiktionary/de/en 1.0

victory RANDOM bite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

victory RANDOM religion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

victory RANDOM lobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

victory RANDOM sell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

victory RANDOM soul n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

victory RANDOM strange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

victory RANDOM traffic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

victory RANDOM trap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rock HYPER music RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_2/5,SPACE\_1/5,CULTURE\_2/5,EVENT\_2/5 rock is a kind of music 0 0 0 0 5 0.952625 5 5.0 0.0 5.0 globalmind 4.807354922057604

rock SYN stone OBJECT\_7/7,EVENT\_1/7,NATURE\_3/7 rock can be used with the same meaning of stone 0 0 0 0 5 0.9619 5 5.0 0.0 5.0 wiktionary/de/en 1.5849625007211563

rock RANDOM attic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rock RANDOM bring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rock RANDOM college n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rock RANDOM color n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rock RANDOM conflict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rock RANDOM loose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rock RANDOM pot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

side ANT center RELATIONSHIP\_2/5,SPACE\_3/5,COMMUNICATION\_1/5,OBJECT\_2/5,EVENT\_2/5 side can be used as the opposite of center 0 0 0 2 3 0.938316666666 5 4.6 0.3 4.3 verbosity 0.2100770989032087

side RANDOM bumpy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

side RANDOM compress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

side RANDOM instruction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

side RANDOM nothing n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

side RANDOM please n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

side RANDOM protect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

side RANDOM serve n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

side RANDOM sunset n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heavy ANT light OBJECT\_5/5,NATURE\_2/5 heavy can be used as the opposite of light 1 0 0 0 5 0.931333333333 6 4.33333333333 2.66666666667 1.66666666666 verbosity 2.710250348370875

heavy ANT lightweight OBJECT\_2/5,RELATIONSHIP\_3/5 heavy can be used as the opposite of lightweight 0 0 0 1 5 0.95045 6 4.83333333333 0.166666666667 4.66666666666 verbosity 0.5801454844233804

heavy RANDOM aluminum n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heavy RANDOM fasten n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heavy RANDOM grass n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heavy RANDOM ignorance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heavy RANDOM politician n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heavy RANDOM sunshine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heavy RANDOM superior n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heavy RANDOM traffic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

globe HYPER ball RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_4/5,SPACE\_1/5,EVENT\_1/5 globe is a kind of ball 0 0 0 2 3 0.965233333334 5 4.6 0.3 4.3 conceptnet/4/en 2.0

globe HYPER map OBJECT\_4/5,COMMUNICATION\_1/5,SPACE\_3/5 globe is a kind of map 0 0 0 2 3 0.8994 5 4.6 0.3 4.3 conceptnet/4/en 2.0

globe SYN world OBJECT\_1/5,EMOTION\_1/5,NATURE\_1/5,SPACE\_4/5 globe can be used with the same meaning of world 0 0 0 0 5 0.9819 5 5.0 0.0 5.0 wiktionary/en/en 1.0

globe RANDOM apartment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

globe RANDOM egg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

globe RANDOM idol n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

globe RANDOM lid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

globe RANDOM real n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

globe RANDOM red n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

globe RANDOM show n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hard ANT simple EMOTION\_1/5,NATURE\_1/5,OBJECT\_2/5,CULTURE\_1/5,EVENT\_5/5 hard can be used as the opposite of simple 0 0 0 1 4 0.94198 5 4.8 0.2 4.6 wiktionary/en/en 1.0

hard ANT soft OBJECT\_3/5,EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5 hard can be used as the opposite of soft 0 0 0 0 5 0.95126 5 5.0 0.0 5.0 verbosity 1.8440260392472283

hard SYN solid RELATIONSHIP\_1/5,NATURE\_2/5,OBJECT\_4/5,CULTURE\_1/5,EVENT\_1/5,EMTION\_1/5 hard can be used with the same meaning of solid 0 0 0 0 5 0.924733333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

hard RANDOM ax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hard RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hard RANDOM government n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hard RANDOM happen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hard RANDOM head n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hard RANDOM idle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hard RANDOM industry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

reduce ANT expand CULTURE\_1/5,EVENT\_4/5 reduce can be used as the opposite of expand 0 0 0 1 4 0.921858333333 5 4.8 0.2 4.6 verbosity 0.11935617703967541

reduce ANT grow NATURE\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_3/5,EMTIONCOMMUNICATION\_1/5 reduce can be used as the opposite of grow 0 1 0 0 4 0.940391666666 5 4.4 1.8 2.6 verbosity 0.015247773698937109

reduce ANT growth CULTURE\_1/5,RELATIONSHIP\_2/5,BUSINESS\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_3/5 reduce can be used as the opposite of growth 0 0 0 0 5 0.968283333334 5 5.0 0.0 5.0 verbosity 0.013759998955465478

reduce ANT up SPACE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_2/5 reduce can be used as the opposite of up 0 0 0 1 4 0.9647 5 4.8 0.2 4.6 verbosity 0.009192478581168683

reduce RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

reduce RANDOM cloudy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

reduce RANDOM comfort n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

reduce RANDOM function n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

reduce RANDOM homosexual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

reduce RANDOM ride n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

connect HYPER join OBJECT\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_4/5 connect is a kind of join 0 0 0 0 5 0.965583333333 5 5.0 0.0 5.0 wordnet/4.0 score

connect ANT separate OBJECT\_1/5,EVENT\_5/5,RELATIONSHIP\_1/5,SPACE\_1/5 connect can be used as the opposite of separate 0 0 0 2 3 0.97235 5 4.6 0.3 4.3 verbosity 0.13778383839296462

connect SYN link EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_4/5 connect can be used with the same meaning of link 0 0 0 1 4 0.972466666667 5 4.8 0.2 4.6 wiktionary/de/en 1.0

connect RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

connect RANDOM edge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

connect RANDOM equal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

connect RANDOM hole n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

connect RANDOM idol n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

connect RANDOM ignite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

connect RANDOM ride n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girl ANT man OBJECT\_1/5,RELATIONSHIP\_4/5,TIME\_1/5 girl can be used as the opposite of man 0 0 0 2 3 0.96605 5 4.6 0.3 4.3 verbosity 0.014355292977070055

girl HYPER child EMOTION\_1/5,OBJECT\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,NATURE\_3/5,COLOR\_1/5,TIME\_4/5,EVENT\_1/5 girl is a kind of child 0 0 0 0 5 0.93444 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

girl HYPER female CULTURE\_1/5,EVENT\_1/5,RELATIONSHIP\_4/5,NATURE\_2/5 girl is a kind of female 0 0 0 0 5 0.932775 5 5.0 0.0 5.0 conceptnet/4/en 3.5849625007211565

girl RANDOM blow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girl RANDOM bush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girl RANDOM donkey n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girl RANDOM door n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girl RANDOM far n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girl RANDOM humble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girl RANDOM mail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress ANT elate EMOTION\_3/5,EVENT\_1/5,EMTION\_2/5 depress can be used as the opposite of elate 0 0 0 2 3 0.968433333334 5 4.6 0.3 4.3 wordnet/4.0 score

depress RANDOM chair n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress RANDOM color n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress RANDOM design n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress RANDOM hammer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress RANDOM help n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress RANDOM mail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

depress RANDOM sunset n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flower ANT weed OBJECT\_3/5,NATURE\_3/5 flower can be used as the opposite of weed 0 0 0 1 4 0.965283333334 5 4.8 0.2 4.6 verbosity 0.07930983644590507

flower HYPER gift NATURE\_3/5,OBJECT\_4/5,CULTURE\_2/5,CULTURE\_1/5,EMTION\_1/5 flower is a kind of gift 0 0 0 2 3 0.9219 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

flower PART\_OF bush EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_5/5,COLOR\_2/5,COMMUNICATION\_1/5,OBJECT\_4/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,FOOD\_1/5,EVENT\_1/5 flower is part of bush 0 0 0 2 3 0.941875 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

flower PART\_OF plant OBJECT\_2/5,CULTURE\_1/5,NATURE\_4/5 flower is part of plant 0 0 0 0 5 0.922433333333 5 5.0 0.0 5.0 globalmind 2.584962500721156

flower RANDOM care n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flower RANDOM castle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flower RANDOM everyone n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flower RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flower RANDOM muscle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flower RANDOM phrase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

space ANT full EVENT\_1/5,RELATIONSHIP\_1/5,SPACE\_4/5 space can be used as the opposite of full 0 0 0 2 3 0.957825 5 4.6 0.3 4.3 verbosity 0.01018814086766805

space SYN place EVENT\_1/5,RELATIONSHIP\_1/5,SPACE\_5/5 space can be used with the same meaning of place 0 0 0 2 3 0.962966666666 5 4.6 0.3 4.3 wiktionary/en/en 1.0

space RANDOM group n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

space RANDOM happen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

space RANDOM juice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

space RANDOM original n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

space RANDOM pass n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

space RANDOM simple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

space RANDOM toe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

space RANDOM waste n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

god ANT evil EMOTION\_2/5,RELATIONSHIP\_2/5,NATURE\_1/5,CULTURE\_2/5,CULTURE\_1/5 god can be used as the opposite of evil 0 0 0 2 3 0.904083333334 5 4.6 0.3 4.3 verbosity 0.07610297908579165

god SYN idol EMOTION\_1/7,RELATIONSHIP\_1/7,NATURE\_1/7,OBJECT\_2/7,CULTURE\_4/7,CULTURE\_1/7,EMTION\_1/7 god can be used with the same meaning of idol 0 0 0 2 3 0.934241666666 5 4.6 0.3 4.3 wiktionary/de/en 1.0

god ANT mortal RELATIONSHIP\_3/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_2/5,EVENT\_1/5 god can be used as the opposite of mortal 0 0 0 2 4 0.9319 6 4.66666666667 0.266666666667 4.4 verbosity 0.04614178164472064

god HYPER superior EMOTION\_2/5,RELATIONSHIP\_2/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_2/5 god is a kind of superior 0 0 0 0 5 0.920041666666 5 5.0 0.0 5.0 wordnet/4.0 score

god PART\_OF religion EMOTION\_1/5,OBJECT\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,COLOR\_1/5,COMMUNICATION\_1/5,TIME\_1/5,CULTURE\_2/5,SPACE\_1/5,CULTURE\_3/5,EVENT\_1/5,EMTION\_1/5 god is part of religion 0 0 0 0 5 0.94985 5 5.0 0.0 5.0 conceptnet/4/en 3.9068905956085187

god RANDOM bright n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

god RANDOM clothe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

god RANDOM continent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

god RANDOM gas n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

god RANDOM girlfriend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content SYN satisfy EMOTION\_2/5,RELATIONSHIP\_1/5,EVENT\_1/5,EMTION\_2/5 content can be used with the same meaning of satisfy 0 0 0 0 5 0.91935 5 5.0 0.0 5.0 wiktionary/en/en 1.0

content RANDOM attach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content RANDOM bike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content RANDOM body n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content RANDOM highway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content RANDOM human n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content RANDOM know n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content RANDOM sky n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

content RANDOM soft n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

health ANT death EVENT\_2/5,NATURE\_5/5 health can be used as the opposite of death 0 0 1 1 3 0.93896 5 4.4 0.8 3.6 verbosity 0.0209466135135598

health ANT illness OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5,NATURE\_2/5 health can be used as the opposite of illness 0 0 0 2 3 0.91952 5 4.6 0.3 4.3 verbosity 1.2323844695838895

health ANT sickness EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_3/5 health can be used as the opposite of sickness 0 0 0 0 5 0.93968 5 5.0 0.0 5.0 verbosity 1.6532176957436056

health RANDOM highway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

health RANDOM hostility n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

health RANDOM hour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

health RANDOM lock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

health RANDOM mammal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

health RANDOM pick n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

health RANDOM show n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

surprise ANT boredom EMOTION\_5/5,RELATIONSHIP\_2/5 surprise can be used as the opposite of boredom 0 0 0 1 4 0.9381 5 4.8 0.2 4.6 verbosity 0.013759998955465478

surprise ANT plan EMOTION\_4/5,CULTURE\_1/5,EVENT\_1/5 surprise can be used as the opposite of plan 0 0 0 2 4 0.930283333333 6 4.66666666667 0.266666666667 4.4 verbosity 0.36155502687062385

surprise RANDOM constellation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

surprise RANDOM poem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

surprise RANDOM energy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

surprise RANDOM extinguish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

surprise RANDOM ice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

surprise RANDOM money n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

surprise RANDOM newspaper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

surprise RANDOM past n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drink ANT eat FOOD\_5/5,COLOR\_1/5,OBJECT\_1/5,EVENT\_1/5 drink can be used as the opposite of eat 0 0 0 2 3 0.978725 5 4.6 0.3 4.3 verbosity 3.1137175827329076

drink HYPER liquid FOOD\_5/5,OBJECT\_1/5,EVENT\_1/5,NATURE\_2/5 drink is a kind of liquid 0 0 0 0 5 0.95014 5 5.0 0.0 5.0 conceptnet/4/en 3.700439718141092

drink SYN alcohol OBJECT\_1/5,COMMUNICATION\_1/5,FOOD\_5/5,CULTURE\_1/5 drink can be used with the same meaning of alcohol 0 0 0 1 4 0.956633333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

drink PART\_OF meal EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_5/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 drink is part of meal 0 0 0 2 3 0.962208333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

drink RANDOM answer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drink RANDOM constellation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drink RANDOM couch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drink RANDOM count n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drink RANDOM enlightenment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drink RANDOM eye n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt SYN soil OBJECT\_1/5,CULTURE\_2/5,NATURE\_4/5,SPACE\_1/5 dirt can be used with the same meaning of soil 0 0 0 0 5 0.974933333333 5 5.0 0.0 5.0 umbel 1.0

dirt RANDOM aid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt RANDOM communism n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt RANDOM control n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt RANDOM decorate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt RANDOM illness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt RANDOM mine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt RANDOM music n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt RANDOM penis n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dirt RANDOM sunshine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free ANT restrict EMOTION\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_2/5,EMTIONCOMMUNICATION\_1/5 free can be used as the opposite of restrict 0 0 0 0 5 0.885783333334 5 5.0 0.0 5.0 verbosity 0.010785208575907495

free RANDOM agreement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free RANDOM arrive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free RANDOM crystal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free RANDOM extinguish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free RANDOM flex n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free RANDOM one n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free RANDOM red n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free RANDOM root n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

free RANDOM standard n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

evil ANT good EMOTION\_3/5,RELATIONSHIP\_2/5,NATURE\_1/5,EVENT\_1/5,EMTION\_1/5 evil can be used as the opposite of good 0 0 0 0 5 0.950833333333 5 5.0 0.0 5.0 verbosity 1.9477783516588116

evil ANT kind EMOTION\_2/5,RELATIONSHIP\_3/5,EMTION\_2/5 evil can be used as the opposite of kind 0 0 0 1 4 0.920608333334 5 4.8 0.2 4.6 verbosity 0.06608919045777244

evil ANT nice EMOTION\_2/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_2/5,EMTION\_1/5 evil can be used as the opposite of nice 0 0 0 1 4 0.947275 5 4.8 0.2 4.6 verbosity 0.20163386116965043

evil RANDOM bicycle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

evil RANDOM bring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

evil RANDOM complete n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

evil RANDOM darling n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

evil RANDOM extinguish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

evil RANDOM gate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

evil RANDOM jail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turn HYPER change EVENT\_5/5,RELATIONSHIP\_1/5,TIME\_1/5 turn is a kind of change 0 1 0 0 4 0.92612 5 4.4 1.8 2.6 wordnet/4.0 score

turn HYPER movement NATURE\_2/5,EVENT\_3/5,SPACE\_1/5 turn is a kind of movement 0 0 0 1 4 0.956058333333 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

turn SYN bend EVENT\_5/5,RELATIONSHIP\_1/5,SPACE\_2/5 turn can be used with the same meaning of bend 0 0 0 1 4 0.957183333334 5 4.8 0.2 4.6 wiktionary/de/en 1.0

turn RANDOM army n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turn RANDOM challenge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turn RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turn RANDOM dirty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turn RANDOM face n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turn RANDOM history n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turn RANDOM money n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plane HYPER vehicle OBJECT\_6/6 plane is a kind of vehicle 0 0 0 1 4 0.952441666667 5 4.8 0.2 4.6 conceptnet/4/en 2.807354922057604

plane SYN airplane OBJECT\_5/5,RELATIONSHIP\_1/5 plane can be used with the same meaning of airplane 0 0 0 8 59 0.944811622807 67 4.88059701493 0.106739032112 4.77385798282 umbel 1.5849625007211563

plane RANDOM alphabet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plane RANDOM equal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plane RANDOM human n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plane RANDOM lace n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plane RANDOM less n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plane RANDOM moon n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plane RANDOM pack n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plane RANDOM quiet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

place HYPER rank EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_4/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_2/5 place is a kind of rank 0 0 0 2 3 0.939433333334 5 4.6 0.3 4.3 wordnet/4.0 score

place SYN spot RELATIONSHIP\_1/5,BUSINESS\_1/5,SPACE\_4/5,OBJECT\_2/5,CULTURE\_1/5,TIME\_1/5 place can be used with the same meaning of spot 0 0 0 1 4 0.876208333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

place RANDOM bed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

place RANDOM interest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

place RANDOM mouth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

place RANDOM music n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

place RANDOM puppy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

place RANDOM sight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

place RANDOM stand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

place RANDOM statue n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda SYN pop OBJECT\_2/5,FOOD\_4/5 soda can be used with the same meaning of pop 0 0 0 1 4 0.929175 5 4.8 0.2 4.6 wiktionary/en/en 1.0

soda RANDOM attach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda RANDOM bitch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda RANDOM come n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda RANDOM remove n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda RANDOM fail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda RANDOM foot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda RANDOM happen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda RANDOM hat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soda RANDOM planet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper HYPER color NATURE\_1/5,COLOR\_4/5,OBJECT\_2/5,CULTURE\_1/5,EVENT\_1/5 copper is a kind of color 0 0 0 0 5 0.921375 5 5.0 0.0 5.0 dbpedia/en 0.5849625007211562

copper RANDOM communication n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper RANDOM contaminate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper RANDOM history n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper RANDOM increase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper RANDOM lazy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper RANDOM roof n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper RANDOM smoke n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper RANDOM trouser n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

copper RANDOM understand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

student HYPER human OBJECT\_1/5,CULTURE\_2/5,RELATIONSHIP\_3/5,NATURE\_3/5 student is a kind of human 0 0 0 0 5 0.9 5 5.0 0.0 5.0 umbel 1.0

student ANT professor COMMUNICATION\_1/5,RELATIONSHIP\_5/5,TIME\_2/5 student can be used as the opposite of professor 0 0 0 1 4 0.962666666667 5 4.8 0.2 4.6 verbosity 0.022773613018019213

student ANT teacher RELATIONSHIP\_5/5,COMMUNICATION\_2/5,OBJECT\_1/5,TIME\_1/5,CULTURE\_1/5 student can be used as the opposite of teacher 0 0 0 0 5 0.966233333334 5 5.0 0.0 5.0 verbosity 0.18057027557371824

student HYPER person RELATIONSHIP\_4/5,NATURE\_2/5,CULTURE\_1/5,TIME\_1/5,EVENT\_1/5 student is a kind of person 0 0 0 0 5 0.91592 5 5.0 0.0 5.0 conceptnet/4/en 3.700439718141092

student PART\_OF class CULTURE\_1/5,CULTURE\_1/5,RELATIONSHIP\_4/5,NATURE\_1/5 student is part of class 0 0 0 1 4 0.941116666667 5 4.8 0.2 4.6 conceptnet/4/en 2.584962500721156

student RANDOM cry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

student RANDOM device n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

student RANDOM dinner n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

student RANDOM flight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

student RANDOM unique n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feel HYPER experience EMOTION\_3/5,RELATIONSHIP\_1/5,COMMUNICATION\_1/5,TIME\_1/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 feel is a kind of experience 0 0 0 2 3 0.962666666667 5 4.6 0.3 4.3 wordnet/4.0 score

feel HYPER touch EVENT\_4/5,EMTION\_2/5,NATURE\_1/5 feel is a kind of touch 0 0 0 1 4 0.931883333334 5 4.8 0.2 4.6 wordnet/4.0 score

feel RANDOM cigarette n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feel RANDOM country n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feel RANDOM follow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feel RANDOM leg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feel RANDOM music n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feel RANDOM noise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feel RANDOM smart n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feel RANDOM statue n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

scene PART\_OF film EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_3/5,TIME\_1/5,NATURE\_2/5,EVENT\_2/5 scene is part of film 0 0 0 1 4 0.958616666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

scene PART\_OF movie RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_2/5,CULTURE\_3/5,EVENT\_1/5 scene is part of movie 0 0 0 0 5 0.944708333334 5 5.0 0.0 5.0 wordnet/4.0 score

scene RANDOM confidence n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

scene RANDOM fix n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

scene RANDOM gay n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

scene RANDOM mineral n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

scene RANDOM score n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

scene RANDOM sound n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

scene RANDOM think n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

scene RANDOM wind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fancy ANT dull EMOTION\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_1/5 fancy can be used as the opposite of dull 0 0 0 1 4 0.903791666667 5 4.8 0.2 4.6 verbosity 0.036327491817765054

fancy ANT simple OBJECT\_1/5,RELATIONSHIP\_3/5,NATURE\_1/5 fancy can be used as the opposite of simple 0 0 0 2 3 0.94624 5 4.6 0.3 4.3 verbosity 0.07382023329167138

fancy RANDOM atmosphere n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fancy RANDOM brain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fancy RANDOM date n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fancy RANDOM lead n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fancy RANDOM program n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fancy RANDOM stage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fancy RANDOM strong n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fancy RANDOM value n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wash ANT dry CULTURE\_1/5,EVENT\_3/5,RELATIONSHIP\_1/5,NATURE\_1/5 wash can be used as the opposite of dry 0 0 0 5 25 0.925964814815 30 4.83333333333 0.14367816092 4.68965517241 verbosity 0.5264976741783846

wash ANT dirty OBJECT\_2/5,CULTURE\_2/5,EVENT\_4/5,NATURE\_1/5 wash can be used as the opposite of dirty 0 1 0 1 3 0.93998 5 4.2 1.7 2.5 verbosity 1.1202297888942587

wash HYPER clean OBJECT\_3/5,EVENT\_3/5,NATURE\_2/5 wash is a kind of clean 0 0 0 2 3 0.911608333333 5 4.6 0.3 4.3 wordnet/4.0 score

wash RANDOM cattle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wash RANDOM hour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wash RANDOM joint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wash RANDOM laugh n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wash RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wash RANDOM star n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wash RANDOM support n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

construct ANT destroy OBJECT\_1/5,COMMUNICATION\_1/5,EVENT\_5/5,NATURE\_1/5 construct can be used as the opposite of destroy 0 0 0 1 4 0.918783333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

construct SYN assemble OBJECT\_3/5,EVENT\_4/5,RELATIONSHIP\_1/5,CULTURE\_1/5 construct can be used with the same meaning of assemble 0 0 0 0 5 0.925775 5 5.0 0.0 5.0 wiktionary/en/en 1.0

construct SYN make COMMUNICATION\_1/5,EVENT\_4/5,BUSINESS\_1/5,CULTURE\_1/5 construct can be used with the same meaning of make 0 0 0 2 4 0.959866666667 6 4.66666666667 0.266666666667 4.4 wiktionary/en/en 1.0

construct RANDOM enjoy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

construct RANDOM grape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

construct RANDOM justice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

construct RANDOM movement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

construct RANDOM needle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

construct RANDOM sing n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

construct RANDOM strange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quality ANT bad RELATIONSHIP\_1/7,NATURE\_1/7,CULTURE\_3/7,EVENT\_1/7,EMTION\_2/7 quality can be used as the opposite of bad 0 0 1 28 74 0.937837109375 103 4.70873786408 0.228060156101 4.48067770798 verbosity 0.08131170572762626

quality ANT low EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_2/5,EMTION\_1/5 quality can be used as the opposite of low 0 0 1 1 3 0.909575 5 4.4 0.8 3.6 verbosity 0.014355292977070055

quality RANDOM cell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quality RANDOM ideology n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quality RANDOM lace n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quality RANDOM master n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quality RANDOM minute n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quality RANDOM mountain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quality RANDOM plot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quality RANDOM reproduction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheep ANT wolf NATURE\_5/5 sheep can be used as the opposite of wolf 2 4 3 49 30 0.952648782051 88 4.14772727273 0.748040752351 3.39968652038 verbosity 0.46994912535219746

sheep PART\_OF flock OBJECT\_1/5,RELATIONSHIP\_2/5,NATURE\_5/5 sheep is part of flock 0 0 0 0 5 0.964966666666 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

sheep RANDOM build n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheep RANDOM center n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheep RANDOM garden n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheep RANDOM idea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheep RANDOM industry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheep RANDOM lightweight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheep RANDOM slow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheep RANDOM suck n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story PART\_OF newspaper OBJECT\_5/5,EVENT\_1/5,NATURE\_1/5 story is part of newspaper 0 0 0 1 4 0.966016666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

story RANDOM actress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story RANDOM birth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story RANDOM division n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story RANDOM fill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story RANDOM hurt n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story RANDOM metal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story RANDOM member n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story RANDOM lower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

story RANDOM sharp n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheet HYPER cover OBJECT\_5/5,RELATIONSHIP\_1/5,CULTURE\_1/5 sheet is a kind of cover 0 0 0 0 5 0.886266666667 5 5.0 0.0 5.0 wordnet/4.0 score

sheet PART\_OF bed EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 sheet is part of bed 0 0 0 0 5 0.972466666667 5 5.0 0.0 5.0 conceptnet/4/en 2.0

sheet SYN blanket OBJECT\_5/5,NATURE\_1/5 sheet can be used with the same meaning of blanket 0 0 0 2 3 0.9524 5 4.6 0.3 4.3 wiktionary/en/en 1.0

sheet SYN page OBJECT\_5/5,COMMUNICATION\_1/5 sheet can be used with the same meaning of page 0 0 0 2 3 0.90985 5 4.6 0.3 4.3 wiktionary/en/en 1.0

sheet RANDOM center n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheet RANDOM club n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheet RANDOM dark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheet RANDOM extinguish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheet RANDOM function n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sheet RANDOM government n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divorce ANT engage EMOTION\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,OBJECT\_1/5,CULTURE\_2/5,CULTURE\_1/5,EVENT\_5/5 divorce can be used as the opposite of engage 0 0 0 2 3 0.954225 5 4.6 0.3 4.3 wiktionary/en/en 1.0

divorce ANT marriage EVENT\_3/5,RELATIONSHIP\_4/5,CULTURE\_1/5 divorce can be used as the opposite of marriage 0 0 0 0 5 0.950591666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

divorce ANT marry EVENT\_3/5,RELATIONSHIP\_3/5,CULTURE\_1/5 divorce can be used as the opposite of marry 0 0 0 0 5 0.902225 5 5.0 0.0 5.0 wiktionary/en/en 1.0

divorce HYPER separate EMTIONRELATIONSHIP\_1/5,EVENT\_4/5,RELATIONSHIP\_3/5,CULTURE\_1/5 divorce is a kind of separate 0 0 0 1 4 0.966941666667 5 4.8 0.2 4.6 wordnet/4.0 score

divorce HYPER separation EMOTION\_1/5,RELATIONSHIP\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_2/5 divorce is a kind of separation 0 0 0 0 5 0.954966666666 5 5.0 0.0 5.0 wordnet/4.0 score

divorce SYN split EMOTION\_1/5,CULTURE\_1/5,EVENT\_4/5,RELATIONSHIP\_3/5 divorce can be used with the same meaning of split 0 0 0 0 5 0.968508333334 5 5.0 0.0 5.0 wiktionary/en/en 1.0

divorce RANDOM begin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divorce RANDOM bolt n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divorce RANDOM hat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

divorce RANDOM shade n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

top ANT down EVENT\_2/5,RELATIONSHIP\_1/5,SPACE\_4/5 top can be used as the opposite of down 0 0 0 1 4 0.942066666667 5 4.8 0.2 4.6 verbosity 0.013164459198448008

top HYPER cover OBJECT\_5/5,SPACE\_1/5,NATURE\_1/5 top is a kind of cover 0 0 0 0 5 0.923116666667 5 5.0 0.0 5.0 wordnet/3.0 1.5849625007211563

top SYN lid OBJECT\_5/5,COMMUNICATION\_1/5 top can be used with the same meaning of lid 0 0 0 1 4 0.960333333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

top RANDOM sea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

top RANDOM breathe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

top RANDOM cap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

top RANDOM count n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

top RANDOM film n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

top RANDOM noble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

top RANDOM perform n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator SYN lift RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_4/5,CULTURE\_1/5,EVENT\_1/5 elevator can be used with the same meaning of lift 0 0 0 0 5 0.961133333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

elevator RANDOM class n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator RANDOM comfort n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator RANDOM hobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator RANDOM language n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator RANDOM question n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator RANDOM row n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator RANDOM shoe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator RANDOM squash n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

elevator RANDOM warm n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

storm ANT calm COMMUNICATION\_1/5,EVENT\_3/5,RELATIONSHIP\_2/5,NATURE\_2/5 storm can be used as the opposite of calm 0 0 0 3 3 0.925616666667 6 4.5 0.3 4.2 verbosity 0.009436755608090146

storm HYPER blow OBJECT\_1/5,COMMUNICATION\_1/5,EVENT\_1/5,NATURE\_5/5 storm is a kind of blow 0 0 0 2 3 0.938991666666 5 4.6 0.3 4.3 wordnet/4.0 score

storm HYPER weather RELATIONSHIP\_1/5,NATURE\_5/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5 storm is a kind of weather 0 0 0 0 5 0.945825 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

storm RANDOM dwell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

storm RANDOM guitar n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

storm RANDOM level n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

storm RANDOM muscle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

storm RANDOM play n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

storm RANDOM present n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

storm RANDOM service n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell ANT move EMOTION\_1/5,SPACE\_1/5,COLOR\_1/5,OBJECT\_1/5,EVENT\_5/5 dwell can be used as the opposite of move 0 0 0 2 3 0.913516666666 5 4.6 0.3 4.3 verbosity 0.008694389639227666

dwell RANDOM answer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell RANDOM awake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell RANDOM down n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell RANDOM feel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell RANDOM film n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell RANDOM fun n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell RANDOM page n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dwell RANDOM pole n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friend HYPER human EMOTION\_1/5,OBJECT\_2/5,EVENT\_2/5,RELATIONSHIP\_4/5 friend is a kind of human 0 0 0 1 4 0.9111 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

friend HYPER person EMOTION\_2/5,RELATIONSHIP\_4/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5 friend is a kind of person 0 0 0 1 4 0.964858333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

friend SYN mate CULTURE\_1/5,RELATIONSHIP\_5/5,TIME\_1/5 friend can be used with the same meaning of mate 0 0 0 1 4 0.958083333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

friend RANDOM fight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friend RANDOM gent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friend RANDOM hard n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friend RANDOM history n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friend RANDOM leg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friend RANDOM molecule n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

friend RANDOM positive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toe PART\_OF human OBJECT\_2/5,CULTURE\_1/5,EVENT\_1/5,NATURE\_5/5 toe is part of human 0 0 0 0 5 0.9208 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

toe PART\_OF foot NATURE\_5/5 toe is part of foot 0 0 0 0 5 0.946066666667 5 5.0 0.0 5.0 globalmind 4.857980995127573

toe RANDOM cell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toe RANDOM escape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toe RANDOM fall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toe RANDOM information n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toe RANDOM letter n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toe RANDOM phrase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toe RANDOM report n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toe RANDOM sing n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shell HYPER cover OBJECT\_5/5,RELATIONSHIP\_1/5,CULTURE\_1/5 shell is a kind of cover 0 0 0 1 4 0.969508333333 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

shell PART\_OF egg OBJECT\_1/5,FOOD\_2/5,NATURE\_4/5 shell is part of egg 0 0 0 0 5 0.958283333334 5 5.0 0.0 5.0 conceptnet/4/en 2.0

shell RANDOM actor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shell RANDOM bike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shell RANDOM free n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shell RANDOM know n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shell RANDOM leg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shell RANDOM sound n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shell RANDOM television n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shell RANDOM tour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gear HYPER device OBJECT\_3/5,EVENT\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5 gear is a kind of device 0 0 0 2 3 0.915983333334 5 4.6 0.3 4.3 umbel 1.0

gear PART\_OF automobile OBJECT\_5/5,RELATIONSHIP\_1/5,CULTURE\_1/5 gear is part of automobile 0 0 0 1 4 0.974983333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

gear PART\_OF machine OBJECT\_5/5,RELATIONSHIP\_1/5 gear is part of machine 0 0 0 0 5 0.9647 5 5.0 0.0 5.0 globalmind 2.0

gear RANDOM construction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gear RANDOM detail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gear RANDOM fix n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gear RANDOM rock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gear RANDOM skin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gear RANDOM sunset n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gear RANDOM wear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seat HYPER furniture OBJECT\_5/5,NATURE\_1/5 seat is a kind of furniture 0 0 0 1 4 0.978583333334 5 4.8 0.2 4.6 wordnet/4.0 score

seat PART\_OF bicycle OBJECT\_5/5,NATURE\_1/5 seat is part of bicycle 0 0 0 0 5 0.963775 5 5.0 0.0 5.0 globalmind 2.807354922057604

seat PART\_OF car OBJECT\_5/5,RELATIONSHIP\_2/5,CULTURE\_1/5 seat is part of car 0 0 0 0 5 0.876208333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

seat RANDOM bright n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seat RANDOM energy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seat RANDOM industry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seat RANDOM line n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seat RANDOM reproduction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seat RANDOM sky n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seat RANDOM succeed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

television HYPER entertainment EMOTION\_1/5,COLOR\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_3/5 television is a kind of entertainment 0 0 0 0 5 0.98165 5 5.0 0.0 5.0 conceptnet/4/en 2.0

television HYPER tv EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 television is a kind of tv 0 0 0 0 5 0.93565 5 5.0 0.0 5.0 conceptnet/4/en 2.0

television RANDOM fortune n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

television RANDOM cloudy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

television RANDOM develop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

television RANDOM dog n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

television RANDOM exit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

television RANDOM hat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

television RANDOM meat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

television RANDOM lift n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tooth PART\_OF comb OBJECT\_4/5,NATURE\_2/5 tooth is part of comb 0 0 0 0 5 0.966233333334 5 5.0 0.0 5.0 wordnet/4.0 score

tooth PART\_OF body OBJECT\_1/5,NATURE\_5/5 tooth is part of body 0 0 0 0 5 0.9819 5 5.0 0.0 5.0 globalmind 2.0

tooth PART\_OF mouth OBJECT\_1/3,NATURE\_3/3 Tooth is part of mouth 0 0 0 0 5 0.89008 5 5.0 0.0 5.0 conceptnet/4/en 2.807354922057604

tooth RANDOM action n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tooth RANDOM communicate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tooth RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tooth RANDOM count n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tooth RANDOM fail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tooth RANDOM fortune n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tooth RANDOM small n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coward ANT hero EMOTION\_3/5,RELATIONSHIP\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,EMTIONRELATIONSHIP\_1/5,EVENT\_1/5,EMTION\_1/5 coward can be used as the opposite of hero 0 0 0 1 4 0.945766666666 5 4.8 0.2 4.6 wiktionary/de/en 1.0

coward HYPER person OBJECT\_1/5,CULTURE\_1/5,EMOTION\_3/5,NATURE\_1/5 coward is a kind of person 0 0 0 0 5 0.968283333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

coward RANDOM dull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coward RANDOM edge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coward RANDOM elate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coward RANDOM happen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coward RANDOM kind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coward RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coward RANDOM powerful n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coward RANDOM satisfy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tree HYPER plant OBJECT\_3/5,SPACE\_1/5,NATURE\_5/5 tree is a kind of plant 0 0 0 1 4 0.95586 5 4.8 0.2 4.6 wordnet/4.0 score

tree PART\_OF forest RELATIONSHIP\_1/5,NATURE\_5/5 tree is part of forest 0 0 0 1 4 0.912916666667 5 4.8 0.2 4.6 conceptnet/4/en 3.1699250014423126

tree RANDOM america n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tree RANDOM child n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tree RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tree RANDOM homosexual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tree RANDOM horn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tree RANDOM money n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tree RANDOM new n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tree RANDOM satisfaction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

war HYPER hostility EMOTION\_1/5,RELATIONSHIP\_1/5,EVENT\_4/5,EMTION\_1/5 war is a kind of hostility 0 0 0 0 5 0.910158333334 5 5.0 0.0 5.0 wordnet/4.0 score

war HYPER fight RELATIONSHIP\_1/5,BUSINESS\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_4/5 war is a kind of fight 0 0 0 0 5 0.895241666666 5 5.0 0.0 5.0 conceptnet/4/en 2.0

war HYPER violence CULTURE\_2/5,EVENT\_5/5 war is a kind of violence 0 0 0 0 5 0.950758333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

war RANDOM awaken n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

war RANDOM down n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

war RANDOM leak n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

war RANDOM bottle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

war RANDOM john n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

war RANDOM line n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

war RANDOM pop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shower HYPER rain OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5,NATURE\_4/5 shower is a kind of rain 0 0 0 1 4 0.891833333334 5 4.8 0.2 4.6 wordnet/4.0 score

shower PART\_OF bathroom SPACE\_2/5,OBJECT\_4/5,CULTURE\_1/5,NATURE\_2/5,EVENT\_1/5 shower is part of bathroom 0 0 0 0 5 0.95645 5 5.0 0.0 5.0 globalmind 2.0

shower PART\_OF house OBJECT\_1/5,SPACE\_4/5 shower is part of house 0 0 0 2 3 0.964733333333 5 4.6 0.3 4.3 conceptnet/4/en 2.321928094887362

shower RANDOM candy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shower RANDOM cultivate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shower RANDOM depress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shower RANDOM grain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shower RANDOM kindness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shower RANDOM student n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shower RANDOM magic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defense ANT prosecution EMOTION\_1/6,OBJECT\_2/6,BUSINESS\_2/6,RELATIONSHIP\_2/6,SPACE\_1/6,FOOD\_1/6,COMMUNICATION\_1/6,CULTURE\_2/6,COLOR\_1/6,TIME\_1/6,NATURE\_1/6,EVENT\_6/6 defense can be used as the opposite of prosecution 0 0 0 1 4 0.945358333334 5 4.8 0.2 4.6 wordnet/4.0 score

defense PART\_OF trial OBJECT\_1/5,CULTURE\_1/5,EVENT\_5/5,COMMUNICATION\_1/5 defense is part of trial 0 0 0 1 4 0.912891666667 5 4.8 0.2 4.6 wordnet/4.0 score

defense RANDOM donkey n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defense RANDOM fireplace n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defense RANDOM illuminate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defense RANDOM liquid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defense RANDOM math n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defense RANDOM pass n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defense RANDOM poem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

defense RANDOM school n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store HYPER business OBJECT\_1/5,BUSINESS\_3/5,SPACE\_1/5 store is a kind of business 0 0 0 1 4 0.95802 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

store RANDOM atom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store RANDOM criminal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store RANDOM disease n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store RANDOM engage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store RANDOM evil n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store RANDOM peach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store RANDOM puppy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store RANDOM quiet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

store RANDOM screw n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

function SYN purpose SPACE\_1/5,COMMUNICATION\_3/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_2/5,EVENT\_3/5 function can be used with the same meaning of purpose 0 0 0 0 5 0.941541666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

function SYN use OBJECT\_1/5,EVENT\_4/5,BUSINESS\_1/5,EMTIONCOMMUNICATION\_1/5 function can be used with the same meaning of use 0 0 0 0 5 0.967883333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

function SYN work EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,RELATIONSHIP\_1/5,BUSINESS\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_4/5 function can be used with the same meaning of work 0 0 0 2 3 0.88905 5 4.6 0.3 4.3 wiktionary/en/en 1.0

function RANDOM divorce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

function RANDOM event n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

function RANDOM fortune n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

function RANDOM goal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

function RANDOM reproduce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

function RANDOM residence n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

function RANDOM stress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seam HYPER joint OBJECT\_5/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5 seam is a kind of joint 0 0 0 1 4 0.905766666667 5 4.8 0.2 4.6 wordnet/4.0 score

seam PART\_OF dress OBJECT\_4/5,CULTURE\_1/5 seam is part of dress 0 0 0 0 5 0.925483333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

seam RANDOM big n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seam RANDOM desert n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seam RANDOM monitor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seam RANDOM neutron n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seam RANDOM straight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seam RANDOM toe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seam RANDOM toss n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ram HYPER sheep OBJECT\_1/5,NATURE\_5/5 ram is a kind of sheep 0 0 0 0 5 0.916091666666 5 5.0 0.0 5.0 umbel 1.0

ram PART\_OF computer OBJECT\_5/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5,BUSINESS\_1/5 ram is part of computer 0 0 0 0 5 0.913866666667 5 5.0 0.0 5.0 conceptnet/4/en 3.5849625007211565

ram RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ram RANDOM descend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ram RANDOM engage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ram RANDOM foot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ram RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ram RANDOM plot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ram RANDOM quality n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ram RANDOM silent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentle ANT mean EMOTION\_3/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_3/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_1/5,EMTIONCOMMUNICATION\_1/5 gentle can be used as the opposite of mean 0 0 0 1 4 0.974516666666 5 4.8 0.2 4.6 verbosity 0.08728631246923796

gentle ANT rough EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_4/5,EMTIONCOMMUNICATION\_1/5 gentle can be used as the opposite of rough 0 0 0 0 5 0.936425 5 5.0 0.0 5.0 verbosity 1.2295633136601323

gentle SYN friendly EMOTION\_3/5,RELATIONSHIP\_1/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 gentle can be used with the same meaning of friendly 0 0 0 1 4 0.911766666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

gentle SYN kind EMOTION\_3/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,EMTION\_2/5 gentle can be used with the same meaning of kind 0 0 0 0 5 0.938316666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

gentle RANDOM close n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentle RANDOM commerce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentle RANDOM degree n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentle RANDOM idea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentle RANDOM plastic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentle RANDOM present n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seed ANT tree RELATIONSHIP\_2/5,NATURE\_4/5 seed can be used as the opposite of tree 0 0 0 2 3 0.9647 5 4.6 0.3 4.3 verbosity 0.05276800371735941

seed PART\_OF apple FOOD\_2/5,OBJECT\_1/5,NATURE\_4/5 seed is part of apple 0 0 0 1 4 0.95495 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

seed PART\_OF fruit OBJECT\_1/5,FOOD\_3/5,NATURE\_3/5 seed is part of fruit 0 0 0 2 3 0.963391666667 5 4.6 0.3 4.3 globalmind 2.0

seed PART\_OF grape FOOD\_5/5,OBJECT\_2/5,NATURE\_3/5 seed is part of grape 0 0 0 0 5 0.931108333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

seed PART\_OF orange FOOD\_2/5,OBJECT\_1/5,RELATIONSHIP\_1/5,NATURE\_3/5 seed is part of orange 0 0 0 2 3 0.975116666666 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

seed PART\_OF plant EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 seed is part of plant 0 0 0 1 4 0.888691666667 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

seed RANDOM attic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seed RANDOM fight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seed RANDOM lid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

seed RANDOM muscle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vulnerable ANT powerful EMOTION\_4/5,OBJECT\_1/5,EVENT\_2/5,CULTURE\_1/5 vulnerable can be used as the opposite of powerful 0 0 0 2 3 0.93896 5 4.6 0.3 4.3 wiktionary/en/en 1.0

vulnerable ANT strong EMOTION\_4/5,RELATIONSHIP\_2/5,COMMUNICATION\_1/5,CULTURE\_2/5,EVENT\_1/5 vulnerable can be used as the opposite of strong 0 0 0 2 3 0.91408 5 4.6 0.3 4.3 wiktionary/en/en 1.0

vulnerable RANDOM division n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vulnerable RANDOM eat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vulnerable RANDOM everyone n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vulnerable RANDOM expand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vulnerable RANDOM future n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vulnerable RANDOM hate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vulnerable RANDOM history n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vulnerable RANDOM wagon n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sell HYPER commerce BUSINESS\_4/5,EVENT\_2/5,EMTION\_1/5,CULTURE\_1/5 sell is a kind of commerce 0 0 0 1 4 0.912516666667 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

sell HYPER exchange COMMUNICATION\_1/5,EVENT\_2/5,BUSINESS\_5/5,RELATIONSHIP\_1/5 sell is a kind of exchange 0 0 0 1 4 0.941058333334 5 4.8 0.2 4.6 wordnet/4.0 score

sell RANDOM bite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sell RANDOM horn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sell RANDOM mine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sell RANDOM nobody n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sell RANDOM road n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sell RANDOM skin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sell RANDOM time n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sell RANDOM wet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snow ANT hot RELATIONSHIP\_2/5,NATURE\_4/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5 snow can be used as the opposite of hot 0 0 0 2 3 0.951691666667 5 4.6 0.3 4.3 verbosity 0.039138393906958314

snow PART\_OF weather EVENT\_3/5,RELATIONSHIP\_1/5,NATURE\_5/5 snow is part of weather 0 0 0 0 5 0.886025 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

snow RANDOM airplane n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snow RANDOM enrage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snow RANDOM hollow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snow RANDOM laugh n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snow RANDOM leg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snow RANDOM lot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snow RANDOM passageway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snow RANDOM row n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

couch SYN sofa OBJECT\_5/5,COMMUNICATION\_1/5 couch can be used with the same meaning of sofa 0 0 0 2 4 0.901166666667 6 4.66666666667 0.266666666667 4.4 umbel 1.5849625007211563

couch HYPER seat OBJECT\_5/5,NATURE\_1/5 couch is a kind of seat 0 0 0 0 5 0.92655 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

couch RANDOM beat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

couch RANDOM cave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

couch RANDOM detail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

couch RANDOM hallway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

couch RANDOM lift n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

couch RANDOM mouth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

couch RANDOM nobody n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

couch RANDOM plain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contact HYPER lens OBJECT\_5/5 contact is a kind of lens 0 0 0 1 4 0.95205 5 4.8 0.2 4.6 wordnet/4.0 score

contact HYPER touch EMTIONRELATIONSHIP\_1/5,EMOTION\_2/5,EVENT\_2/5 contact is a kind of touch 0 0 0 1 4 0.939775 5 4.8 0.2 4.6 wordnet/4.0 score

contact RANDOM emotion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contact RANDOM follow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contact RANDOM healthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contact RANDOM mortal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contact RANDOM red n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contact RANDOM short n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contact RANDOM statement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contact RANDOM sword n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

destroy ANT fix OBJECT\_2/5,EMOTION\_1/5,EVENT\_4/5,TIME\_1/5 destroy can be used as the opposite of fix 0 0 0 0 5 0.954166666667 5 5.0 0.0 5.0 verbosity 0.03785132913281132

destroy ANT make CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,FOOD\_1/5,OBJECT\_2/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_4/5 destroy can be used as the opposite of make 0 0 0 1 4 0.926491666666 5 4.8 0.2 4.6 wiktionary/en/en 1.0

destroy ANT raise EMOTION\_2/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_2/5,TIME\_1/5,EVENT\_4/5 destroy can be used as the opposite of raise 0 0 0 1 4 0.967533333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

destroy SYN break EMOTION\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_3/5 destroy can be used with the same meaning of break 0 0 0 2 3 0.944683333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

destroy SYN kill CULTURE\_1/5,EVENT\_4/5,RELATIONSHIP\_1/5 destroy can be used with the same meaning of kill 0 0 0 2 3 0.936466666667 5 4.6 0.3 4.3 wiktionary/en/en 1.0

destroy RANDOM challenge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

destroy RANDOM function n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

destroy RANDOM gang n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

destroy RANDOM intelligent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

destroy RANDOM kind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snowflake HYPER ice OBJECT\_2/5,FOOD\_1/5,NATURE\_5/5 snowflake is a kind of ice 0 0 0 0 5 0.974516666666 5 5.0 0.0 5.0 umbel 1.0

snowflake PART\_OF snow OBJECT\_3/5,CULTURE\_1/5,NATURE\_5/5 snowflake is part of snow 0 0 0 0 5 0.942883333334 5 5.0 0.0 5.0 wordnet/4.0 score

snowflake RANDOM cup n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snowflake RANDOM come n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snowflake RANDOM furniture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snowflake RANDOM letter n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snowflake RANDOM quality n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snowflake RANDOM remove n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snowflake RANDOM truth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

snowflake RANDOM fail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

play ANT rest EVENT\_5/5 play can be used as the opposite of rest 0 0 0 1 5 0.867866666667 6 4.83333333333 0.166666666667 4.66666666666 verbosity 0.14764535041698962

play ANT work CULTURE\_1/5,EVENT\_5/5 play can be used as the opposite of work 0 0 0 1 4 0.95085 5 4.8 0.2 4.6 verbosity 3.0007413590306964

play HYPER act EMOTION\_1/5,OBJECT\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,CULTURE\_3/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_5/5 play is a kind of act 0 0 0 1 4 0.890008333334 5 4.8 0.2 4.6 wordnet/4.0 score

play HYPER fun EMOTION\_1/5,CULTURE\_2/5,EVENT\_5/5 play is a kind of fun 0 0 0 1 4 0.9227 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

play HYPER perform EMOTION\_1/5,COLOR\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_5/5 play is a kind of perform 0 0 0 1 4 0.934691666666 5 4.8 0.2 4.6 wordnet/4.0 score

play HYPER performance CULTURE\_2/5,COMMUNICATION\_1/5,EVENT\_3/5,CULTURE\_1/5 play is a kind of performance 0 0 0 1 4 0.962116666666 5 4.8 0.2 4.6 wiktionary/en/en 1.0

play SYN drama EMOTION\_1/5,CULTURE\_2/5,EVENT\_2/5 play can be used with the same meaning of drama 0 0 0 1 4 0.978583333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

play RANDOM come n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

play RANDOM jar n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

play RANDOM one n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

price ANT free EMOTION\_1/5,BUSINESS\_2/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_2/5,EMTION\_1/5 price can be used as the opposite of free 0 0 0 1 4 0.92065 5 4.8 0.2 4.6 verbosity 0.4776281145073115

price HYPER value OBJECT\_1/5,EVENT\_1/5,BUSINESS\_3/5 price is a kind of value 0 0 0 0 5 0.932275 5 5.0 0.0 5.0 wordnet/4.0 score

price RANDOM blow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

price RANDOM breathe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

price RANDOM clean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

price RANDOM eat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

price RANDOM freeze n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

price RANDOM medicine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

price RANDOM nose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

price RANDOM pan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compress ANT expand CULTURE\_1/5,EVENT\_4/5,RELATIONSHIP\_1/5,TIME\_1/5 compress can be used as the opposite of expand 0 0 0 0 5 0.909958333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

compress SYN contract EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_2/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_4/5 compress can be used with the same meaning of contract 0 0 0 2 3 0.967416666667 5 4.6 0.3 4.3 wiktionary/en/en 1.0

compress SYN squash OBJECT\_1/5,COMMUNICATION\_1/5,EVENT\_3/5,RELATIONSHIP\_3/5 compress can be used with the same meaning of squash 0 0 0 0 5 0.975533333334 5 5.0 0.0 5.0 wiktionary/en/en 1.0

compress RANDOM alcohol n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compress RANDOM culture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compress RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compress RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compress RANDOM paper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compress RANDOM personal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

compress RANDOM season n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plan HYPER idea OBJECT\_1/5,COMMUNICATION\_1/5,EVENT\_3/5,NATURE\_1/5 plan is a kind of idea 0 0 0 2 3 0.962008333333 5 4.6 0.3 4.3 wordnet/4.0 score

plan HYPER think EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_2/5,CULTURE\_1/5,EVENT\_3/5 plan is a kind of think 0 0 0 2 3 0.913108333333 5 4.6 0.3 4.3 wordnet/4.0 score

plan RANDOM fact n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plan RANDOM have n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plan RANDOM lot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plan RANDOM respect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plan RANDOM soil n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plan RANDOM spend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plan RANDOM test n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plan RANDOM unusual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coin ANT bill OBJECT\_5/5,CULTURE\_1/5,EVENT\_1/5,BUSINESS\_1/5 coin can be used as the opposite of bill 0 0 0 1 4 0.954166666666 5 4.8 0.2 4.6 verbosity 0.1743872421279442

coin ANT note OBJECT\_5/5,BUSINESS\_1/5 coin can be used as the opposite of note 0 0 0 18 11 0.946596794872 29 4.37931034483 0.243842364532 4.1354679803 verbosity 0.0164410499963485

coin RANDOM darling n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coin RANDOM disk n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coin RANDOM energy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coin RANDOM good n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coin RANDOM hero n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coin RANDOM monitor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coin RANDOM punishment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

coin RANDOM school n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flow ANT stop EVENT\_4/5,NATURE\_2/5 flow can be used as the opposite of stop 0 0 0 1 4 0.969658333334 5 4.8 0.2 4.6 verbosity 0.15800734143953965

flow HYPER movement CULTURE\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,NATURE\_2/5,TIME\_1/5,EVENT\_3/5 flow is a kind of movement 0 0 0 0 5 0.940666666667 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

flow RANDOM atom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flow RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flow RANDOM distress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flow RANDOM engage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flow RANDOM health n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flow RANDOM job n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flow RANDOM prison n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flow RANDOM television n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drive ANT park EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_4/5 drive can be used as the opposite of park 0 0 0 2 3 0.893233333334 5 4.6 0.3 4.3 verbosity 0.6742035695068798

drive ANT stop EVENT\_5/5,RELATIONSHIP\_1/5 drive can be used as the opposite of stop 0 0 0 2 3 0.949633333333 5 4.6 0.3 4.3 verbosity 0.07272323102162045

drive ANT walk EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 drive can be used as the opposite of walk 0 0 0 1 4 0.953958333333 5 4.8 0.2 4.6 verbosity 0.8866433000818877

drive HYPER move OBJECT\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,COLOR\_1/5,COMMUNICATION\_1/5,SPACE\_1/5,CULTURE\_1/5,EVENT\_5/5 drive is a kind of move 0 0 0 0 5 0.93384 5 5.0 0.0 5.0 wordnet/4.0 score

drive HYPER travel EMOTION\_1/6,CULTURE\_1/6,BUSINESS\_1/6,RELATIONSHIP\_1/6,SPACE\_2/6,FOOD\_1/6,COMMUNICATION\_2/6,OBJECT\_2/6,CULTURE\_1/6,COLOR\_1/6,TIME\_1/6,NATURE\_1/6,EVENT\_5/6 drive is a kind of travel 0 0 0 1 4 0.956066666666 5 4.8 0.2 4.6 wordnet/4.0 score

drive SYN ride CULTURE\_2/6,EVENT\_6/6 drive can be used with the same meaning of ride 0 0 0 2 3 0.963233333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

drive RANDOM argument n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drive RANDOM civilization n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drive RANDOM dish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

drive RANDOM frame n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

face ANT back RELATIONSHIP\_3/54,SPACE\_5/54,COMMUNICATION\_4/54,OBJECT\_12/54,CULTURE\_4/54,TIME\_2/54,NATURE\_41/54,EVENT\_4/54 face can be used as the opposite of back 0 0 0 1 4 0.979366666666 5 4.8 0.2 4.6 verbosity 0.029315058979229407

face PART\_OF animal OBJECT\_1/5,NATURE\_5/5,SPACE\_1/5 face is part of animal 0 0 0 1 4 0.965858333334 5 4.8 0.2 4.6 wordnet/4.0 score

face PART\_OF body OBJECT\_1/5,NATURE\_5/5,SPACE\_1/5 face is part of body 0 0 0 1 4 0.933641666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

face PART\_OF clock OBJECT\_5/5,CULTURE\_1/5,NATURE\_2/5,TIME\_1/5 face is part of clock 0 0 0 0 5 0.920183333334 5 5.0 0.0 5.0 conceptnet/4/en 2.0

face PART\_OF head NATURE\_5/5 face is part of head 0 0 0 0 5 0.9208 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

face PART\_OF human OBJECT\_1/5,NATURE\_5/5 face is part of human 0 0 0 1 4 0.964441666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

face PART\_OF watch OBJECT\_4/5,NATURE\_2/5 face is part of watch 0 0 0 1 4 0.968283333334 5 4.8 0.2 4.6 wordnet/4.0 score

face SYN surface OBJECT\_4/5,CULTURE\_1/5,NATURE\_3/5 face can be used with the same meaning of surface 0 0 0 2 3 0.9641 5 4.6 0.3 4.3 wiktionary/en/en 1.0

face RANDOM band n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

face RANDOM bind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeway HYPER road OBJECT\_3/5,EVENT\_1/5,RELATIONSHIP\_1/5,SPACE\_3/5 freeway is a kind of road 0 0 0 0 5 0.974516666666 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

freeway SYN highway OBJECT\_3/5,SPACE\_4/5 freeway can be used with the same meaning of highway 0 0 0 0 5 0.946716666667 5 5.0 0.0 5.0 umbel 1.0

freeway RANDOM assemble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeway RANDOM eye n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeway RANDOM face n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeway RANDOM happen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeway RANDOM human n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeway RANDOM i n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeway RANDOM mouth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeway RANDOM penis n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wind HYPER weather CULTURE\_1/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 wind is a kind of weather 0 0 0 2 3 0.909725 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

wind ANT calm EVENT\_2/5,NATURE\_4/5 wind can be used as the opposite of calm 1 0 0 0 4 0.90874 5 4.2 3.2 1.0 verbosity 0.3197720600526543

wind RANDOM criminal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wind RANDOM challenge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wind RANDOM clothe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wind RANDOM drill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wind RANDOM insect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wind RANDOM learn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wind RANDOM patient n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wind RANDOM reason n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fact ANT lie EMOTION\_2/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_4/5,OBJECT\_1/5,COLOR\_1/5,TIME\_2/5,NATURE\_1/5,EVENT\_2/5 fact can be used as the opposite of lie 0 0 0 1 4 0.933016666667 5 4.8 0.2 4.6 verbosity 0.18673929673534706

fact HYPER information EMOTION\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_2/5 fact is a kind of information 0 0 0 1 4 0.936633333333 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

fact RANDOM delight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fact RANDOM dog n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fact RANDOM emotion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fact RANDOM expand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fact RANDOM gear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fact RANDOM lift n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fact RANDOM monitor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fact RANDOM satisfaction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shop HYPER place OBJECT\_1/5,EVENT\_1/5,RELATIONSHIP\_2/5,SPACE\_5/5 shop is a kind of place 0 0 0 0 5 0.970483333334 5 5.0 0.0 5.0 conceptnet/4/en 0.0

shop HYPER store OBJECT\_2/7,BUSINESS\_5/7,SPACE\_2/7 shop is a kind of store 0 0 0 1 4 0.949183333334 5 4.8 0.2 4.6 conceptnet/4/en 2.584962500721156

shop RANDOM book n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shop RANDOM decorate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shop RANDOM idea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shop RANDOM learn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shop RANDOM volume n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shop RANDOM move n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shop RANDOM skeleton n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shop RANDOM soft n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gold HYPER color COLOR\_5/5,OBJECT\_1/5,NATURE\_1/5 gold is a kind of color 0 0 0 0 5 0.951866666666 5 5.0 0.0 5.0 dbpedia/en 0.5849625007211562

gold HYPER element OBJECT\_3/5,COMMUNICATION\_1/5,EVENT\_1/5,NATURE\_3/5 gold is a kind of element 1 0 0 0 4 0.959833333334 5 4.2 3.2 1.0 conceptnet/4/en 1.5849625007211563

gold HYPER metal OBJECT\_5/5,COLOR\_1/5,RELATIONSHIP\_1/5 gold is a kind of metal 0 0 0 0 5 0.942366666667 5 5.0 0.0 5.0 globalmind 5.857980995127572

gold RANDOM cord n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gold RANDOM correct n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gold RANDOM curve n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gold RANDOM flat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gold RANDOM get n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gold RANDOM pot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gold RANDOM weather n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

show HYPER appear RELATIONSHIP\_1/5,COMMUNICATION\_2/5,TIME\_1/5,CULTURE\_1/5,EVENT\_4/5 show is a kind of appear 0 0 0 2 3 0.968125 5 4.6 0.3 4.3 wordnet/4.0 score

show HYPER entertainment RELATIONSHIP\_2/5,SPACE\_1/5,COMMUNICATION\_1/5,CULTURE\_1/5,CULTURE\_2/5,EVENT\_3/5 show is a kind of entertainment 0 0 0 0 5 0.966125 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

show SYN program OBJECT\_1/5,CULTURE\_2/5,EVENT\_2/5,NATURE\_1/5 show can be used with the same meaning of program 0 0 0 2 3 0.974516666666 5 4.6 0.3 4.3 wiktionary/en/en 1.0

show RANDOM apartment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

show RANDOM chill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

show RANDOM drug n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

show RANDOM error n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

show RANDOM flight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

show RANDOM flow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

show RANDOM gate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

queen HYPER insect RELATIONSHIP\_1/5,NATURE\_4/5,COMMUNICATION\_1/5,OBJECT\_2/5,EVENT\_1/5 queen is a kind of insect 0 0 0 1 4 0.910241666667 5 4.8 0.2 4.6 wordnet/4.0 score

queen HYPER person RELATIONSHIP\_2/5,NATURE\_3/5,CULTURE\_2/5,CULTURE\_1/5,EVENT\_2/5 queen is a kind of person 0 0 0 0 5 0.973283333334 5 5.0 0.0 5.0 dbpedia/en 0.5849625007211562

queen HYPER woman RELATIONSHIP\_4/5,NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5 queen is a kind of woman 0 0 0 0 5 0.945433333333 5 5.0 0.0 5.0 conceptnet/4/en 2.0

queen RANDOM bed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

queen RANDOM bush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

queen RANDOM dream n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

queen RANDOM fish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

queen RANDOM machine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

queen RANDOM restrict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

queen RANDOM rubber n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

radio ANT television RELATIONSHIP\_2/5,COMMUNICATION\_2/5,OBJECT\_4/5,TIME\_1/5,CULTURE\_1/5 radio can be used as the opposite of television 0 0 0 2 3 0.927675 5 4.6 0.3 4.3 verbosity 0.05086942027443362

radio ANT tv OBJECT\_4/5,CULTURE\_2/5,COMMUNICATION\_1/5,NATURE\_1/5 radio can be used as the opposite of tv 0 0 0 2 3 0.963041666667 5 4.6 0.3 4.3 verbosity 0.03785132913281132

radio RANDOM child n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

radio RANDOM death n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

radio RANDOM face n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

radio RANDOM meal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

radio RANDOM nobody n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

radio RANDOM paint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

radio RANDOM patient n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

radio RANDOM strike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

earth ANT moon NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_2/5,SPACE\_3/5,TIME\_1/5 earth can be used as the opposite of moon 0 0 0 2 3 0.879266666667 5 4.6 0.3 4.3 verbosity 0.19341772724737136

earth ANT sky OBJECT\_1/5,NATURE\_1/5,SPACE\_5/5 earth can be used as the opposite of sky 0 0 0 1 4 0.932008333333 5 4.8 0.2 4.6 verbosity 0.44992051805455446

earth ANT space OBJECT\_1/5,RELATIONSHIP\_1/5,SPACE\_4/5,NATURE\_1/5 earth can be used as the opposite of space 0 0 0 1 4 0.909566666667 5 4.8 0.2 4.6 verbosity 0.09406712610871575

earth ANT sun RELATIONSHIP\_1/5,NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_2/5,SPACE\_3/5 earth can be used as the opposite of sun 0 0 0 1 4 0.8818 5 4.8 0.2 4.6 verbosity 0.02149038767925035

earth ANT venus OBJECT\_1/5,NATURE\_4/5,RELATIONSHIP\_1/5,SPACE\_4/5 earth can be used as the opposite of venus 3 0 1 47 24 0.932023778967 75 4.18666666667 0.667387387387 3.51927927928 verbosity 0.0497557784546592

earth ANT water OBJECT\_1/5,RELATIONSHIP\_2/5,SPACE\_2/5,NATURE\_3/5 earth can be used as the opposite of water 0 0 0 2 3 0.943283333334 5 4.6 0.3 4.3 verbosity 0.05659046438354489

earth PART\_OF universe EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_4/5,TIME\_1/5,EVENT\_2/5 earth is part of universe 0 0 0 0 5 0.893225 5 5.0 0.0 5.0 conceptnet/4/en 3.700439718141092

earth SYN clay OBJECT\_3/5,RELATIONSHIP\_1/5,SPACE\_2/5,NATURE\_3/5 earth can be used with the same meaning of clay 0 0 0 2 3 0.967883333333 5 4.6 0.3 4.3 wiktionary/de/en 1.0

earth SYN globe OBJECT\_1/5,CULTURE\_1/5,SPACE\_3/5,NATURE\_3/5 earth can be used with the same meaning of globe 0 0 0 0 5 0.907958333333 5 5.0 0.0 5.0 wiktionary/de/en 1.0

earth SYN land OBJECT\_1/5,NATURE\_3/5,RELATIONSHIP\_1/5,SPACE\_3/5 earth can be used with the same meaning of land 0 0 0 1 4 0.98165 5 4.8 0.2 4.6 wiktionary/de/en 1.0

earth SYN planet CULTURE\_1/5,NATURE\_1/5,SPACE\_4/5 earth can be used with the same meaning of planet 0 0 0 0 5 0.961283333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

earth SYN soil OBJECT\_2/5,SPACE\_2/5,NATURE\_3/5 earth can be used with the same meaning of soil 0 0 0 0 5 0.934358333333 5 5.0 0.0 5.0 wiktionary/de/en 1.0

earth SYN world OBJECT\_2/5,NATURE\_3/5,EVENT\_1/5,SPACE\_3/5 earth can be used with the same meaning of world 0 0 0 0 5 0.966466666667 5 5.0 0.0 5.0 wiktionary/de/en 1.0

fear ANT courage EMOTION\_3/5,EVENT\_2/5,EMTION\_1/5 fear can be used as the opposite of courage 0 0 0 3 3 0.935433333333 6 4.5 0.3 4.2 verbosity 0.16565713408013444

fear ANT trust EMOTION\_3/80,RELATIONSHIP\_1/80,BUSINESS\_1/80,NATURE\_2/80,COMMUNICATION\_5/80,SPACE\_1/80,TIME\_1/80,EMTIONRELATIONSHIP\_3/80,CULTURE\_2/80,EVENT\_9/80,EMTION\_70/80,EMTIONCOMMUNICATION\_4/80 fear can be used as the opposite of trust 2 2 0 22 30 0.902527210884 56 4.35714285714 0.888311688312 3.46883116883 verbosity 0.010779838753242761

fear HYPER emotion EMOTION\_3/5,EMTION\_2/5 fear is a kind of emotion 0 0 0 0 5 0.948008333333 5 5.0 0.0 5.0 conceptnet/4/en 3.5849625007211565

fear RANDOM bottle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fear RANDOM box n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fear RANDOM bright n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fear RANDOM egg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fear RANDOM event n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fear RANDOM fasten n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fear RANDOM give n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fine ANT bad EMOTION\_1/5,NATURE\_1/5,CULTURE\_2/5,EVENT\_3/5,EMTION\_1/5 fine can be used as the opposite of bad 0 0 0 0 5 0.954266666666 5 5.0 0.0 5.0 verbosity 0.15471281378215795

fine ANT rough EMOTION\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,TIME\_1/5,EVENT\_1/5 fine can be used as the opposite of rough 0 0 0 0 5 0.983166666666 5 5.0 0.0 5.0 verbosity 0.01753476257268918

fine RANDOM appear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fine RANDOM article n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fine RANDOM bus n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fine RANDOM conflict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fine RANDOM crowd n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fine RANDOM exercise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fine RANDOM insect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fine RANDOM residence n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

staff HYPER stick OBJECT\_5/5,NATURE\_1/5 staff is a kind of stick 0 0 0 1 4 0.952158333333 5 4.8 0.2 4.6 wordnet/4.0 score

staff SYN club EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_4/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_2/5 staff can be used with the same meaning of club 0 0 0 1 4 0.926266666667 5 4.8 0.2 4.6 wiktionary/de/en 1.0

staff SYN pole OBJECT\_4/5,RELATIONSHIP\_1/5,BUSINESS\_1/5 staff can be used with the same meaning of pole 0 0 0 1 4 0.946125 5 4.8 0.2 4.6 wiktionary/de/en 1.0

staff RANDOM bias n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

staff RANDOM boy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

staff RANDOM enlightenment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

staff RANDOM hollow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

staff RANDOM nasty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

staff RANDOM question n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

staff RANDOM sour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast HYPER bread OBJECT\_3/5,FOOD\_5/5,CULTURE\_1/5 toast is a kind of bread 0 0 0 0 5 0.973283333334 5 5.0 0.0 5.0 globalmind 3.0

toast RANDOM mine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast RANDOM orange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast RANDOM interest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast RANDOM job n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast RANDOM link n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast RANDOM noble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast RANDOM pattern n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast RANDOM rent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toast RANDOM harvest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

communism HYPER government COMMUNICATION\_2/5,EMTIONRELATIONSHIP\_1/5,CULTURE\_2/5,CULTURE\_1/5,EVENT\_1/5 communism is a kind of government 0 0 0 1 4 0.931833333334 5 4.8 0.2 4.6 conceptnet/4/en 2.0

communism HYPER society CULTURE\_3/5,NATURE\_1/5,EVENT\_2/5,COMMUNICATION\_2/5 communism is a kind of society 0 0 0 2 3 0.9754 5 4.6 0.3 4.3 umbel 1.0

communism HYPER ideology RELATIONSHIP\_1/5,CULTURE\_3/5,TIME\_1/5,EVENT\_2/5,EMTIONCOMMUNICATION\_1/5 communism is a kind of ideology 0 0 0 2 3 0.913266666667 5 4.6 0.3 4.3 conceptnet/4/en 2.0

communism RANDOM awake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

communism RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

communism RANDOM boredom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

communism RANDOM jacket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

communism RANDOM light n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

communism RANDOM pass n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

communism RANDOM proton n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dice SYN die OBJECT\_4/5,EVENT\_1/5 dice can be used with the same meaning of die 0 0 0 1 4 0.94805 5 4.8 0.2 4.6 umbel 1.0

dice HYPER cube OBJECT\_5/5,FOOD\_1/5 dice is a kind of cube 0 0 0 1 4 0.958283333334 5 4.8 0.2 4.6 conceptnet/4/en 3.4594316186372978

dice HYPER game RELATIONSHIP\_1/5,OBJECT\_3/5,TIME\_1/5,CULTURE\_2/5,CULTURE\_1/5,EVENT\_1/5 dice is a kind of game 0 0 0 2 3 0.954225 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

dice RANDOM cash n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dice RANDOM charge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dice RANDOM gay n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dice RANDOM machine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dice RANDOM mean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dice RANDOM rock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dice RANDOM sidewalk n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tire PART\_OF automobile OBJECT\_4/5,EVENT\_1/5,RELATIONSHIP\_2/5 tire is part of automobile 0 0 0 1 4 0.975533333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

tire PART\_OF car OBJECT\_5/5,SPACE\_1/5 tire is part of car 0 0 0 1 4 0.957008333333 5 4.8 0.2 4.6 globalmind 4.459431618637297

tire RANDOM add n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tire RANDOM clothe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tire RANDOM committee n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tire RANDOM conclusion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tire RANDOM culture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tire RANDOM down n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tire RANDOM gay n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tire RANDOM jacket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crime ANT justice CULTURE\_2/5,EVENT\_3/5,RELATIONSHIP\_1/5,CULTURE\_1/5 crime can be used as the opposite of justice 0 0 0 1 4 0.9381 5 4.8 0.2 4.6 verbosity 0.025750316028512216

crime HYPER business RELATIONSHIP\_2/5,EVENT\_2/5,BUSINESS\_3/5 crime is a kind of business 0 0 0 2 3 0.94444 5 4.6 0.3 4.3 umbel 1.0

crime RANDOM comfortable n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crime RANDOM mean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crime RANDOM pattern n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crime RANDOM school n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crime RANDOM shoe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crime RANDOM swallow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crime RANDOM watch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

terminal HYPER place RELATIONSHIP\_1/5,SPACE\_5/5 terminal is a kind of place 0 0 0 1 4 0.94575 5 4.8 0.2 4.6 dbpedia/en 0.5849625007211562

terminal HYPER port OBJECT\_2/5,NATURE\_1/5,SPACE\_4/5 terminal is a kind of port 0 0 0 1 4 0.976733333333 5 4.8 0.2 4.6 umbel 1.0

terminal RANDOM atmosphere n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

terminal RANDOM far n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

terminal RANDOM fortune n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

terminal RANDOM meat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

terminal RANDOM mate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

terminal RANDOM rock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

terminal RANDOM lift n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

terminal RANDOM stand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wood HYPER solid OBJECT\_6/6,RELATIONSHIP\_1/6,NATURE\_2/6 wood is a kind of solid 0 0 0 0 5 0.9614 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

wood HYPER material OBJECT\_5/5,COMMUNICATION\_1/5,NATURE\_1/5,TIME\_1/5 wood is a kind of material 0 0 0 0 5 0.93455 5 5.0 0.0 5.0 conceptnet/4/en 3.0

wood RANDOM baby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wood RANDOM push n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wood RANDOM bird n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wood RANDOM confidence n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wood RANDOM money n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wood RANDOM pale n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wood RANDOM race n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wood RANDOM think n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disgust HYPER dislike EMOTION\_3/7,EMTION\_3/7,RELATIONSHIP\_1/7 disgust is a kind of dislike 0 0 0 0 5 0.911908333334 5 5.0 0.0 5.0 umbel 1.0

disgust HYPER emotion EMOTION\_3/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_2/5,EMTION\_2/5 disgust is a kind of emotion 0 0 0 2 3 0.912833333334 5 4.6 0.3 4.3 conceptnet/4/en 2.807354922057604

disgust RANDOM dwell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disgust RANDOM equal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disgust RANDOM experiment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disgust RANDOM globe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disgust RANDOM link n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disgust RANDOM misunderstand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disgust RANDOM think n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

disgust RANDOM warm n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

employee HYPER person RELATIONSHIP\_2/5,EVENT\_1/5,BUSINESS\_1/5,NATURE\_1/5 employee is a kind of person 0 0 0 1 4 0.9227 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

employee HYPER worker BUSINESS\_1/3,RELATIONSHIP\_2/3 Employee is a kind of worker 0 0 0 2 3 0.95324 5 4.6 0.3 4.3 wordnet/4.0 score

employee RANDOM darkness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

employee RANDOM decorate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

employee RANDOM document n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

employee RANDOM game n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

employee RANDOM gay n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

employee RANDOM hollow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

employee RANDOM lock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

employee RANDOM monitor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool HYPER material OBJECT\_4/5,COMMUNICATION\_1/5,NATURE\_3/5 wool is a kind of material 0 0 0 0 5 0.928525 5 5.0 0.0 5.0 conceptnet/4/en 2.0

wool RANDOM courage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool RANDOM excitement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool RANDOM feel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool RANDOM male n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool RANDOM push n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool RANDOM race n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool RANDOM shape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool RANDOM type n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wool RANDOM useless n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cube SYN die OBJECT\_5/5,COMMUNICATION\_1/5 cube can be used with the same meaning of die 0 0 0 1 4 0.968283333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

cube HYPER number OBJECT\_2/5,CULTURE\_1/5,RELATIONSHIP\_4/5,COMMUNICATION\_1/5 cube is a kind of number 0 0 0 2 3 0.93695 5 4.6 0.3 4.3 wordnet/4.0 score

cube RANDOM bicycle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cube RANDOM document n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cube RANDOM friend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cube RANDOM leg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cube RANDOM record n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cube RANDOM silent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cube RANDOM stand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cube RANDOM telephone n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

handle HYPER touch NATURE\_1/5,FOOD\_1/5,OBJECT\_2/5,CULTURE\_1/5,EVENT\_3/5,EMTION\_1/5 handle is a kind of touch 0 0 0 2 3 0.949766666667 5 4.6 0.3 4.3 wordnet/4.0 score

handle PART\_OF baggage OBJECT\_5/5 handle is part of baggage 0 0 0 2 3 0.9569 5 4.6 0.3 4.3 wordnet/4.0 score

handle PART\_OF basket OBJECT\_5/5,CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5 handle is part of basket 0 0 0 2 3 0.950083333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

handle PART\_OF brush OBJECT\_5/5,RELATIONSHIP\_2/5,NATURE\_1/5 handle is part of brush 0 0 0 0 5 0.890008333334 5 5.0 0.0 5.0 wordnet/4.0 score

handle PART\_OF cup OBJECT\_5/5 handle is part of cup 0 0 0 0 5 0.93755 5 5.0 0.0 5.0 globalmind 2.0

handle PART\_OF hammer EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 handle is part of hammer 0 0 0 1 4 0.9085 5 4.8 0.2 4.6 conceptnet/4/en 2.0

handle PART\_OF mug OBJECT\_5/5,COMMUNICATION\_1/5,NATURE\_1/5 handle is part of mug 0 0 0 0 5 0.949175 5 5.0 0.0 5.0 wordnet/4.0 score

handle PART\_OF object OBJECT\_5/5 handle is part of object 0 0 0 2 3 0.927941666666 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

handle PART\_OF pot OBJECT\_5/5 handle is part of pot 0 0 0 1 4 0.933891666667 5 4.8 0.2 4.6 globalmind 2.0

handle PART\_OF saucepan EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 handle is part of saucepan 0 0 0 1 4 0.910733333333 5 4.8 0.2 4.6 wordnet/4.0 score

handle PART\_OF umbrella OBJECT\_5/5,NATURE\_1/5 handle is part of umbrella 0 0 0 0 5 0.945508333333 5 5.0 0.0 5.0 wordnet/4.0 score

handle SYN feel EMOTION\_2/5,RELATIONSHIP\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5,EMTIONCOMMUNICATION\_1/5 handle can be used with the same meaning of feel 0 0 0 2 3 0.966233333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

get ANT lose EMOTION\_1/5,RELATIONSHIP\_3/5,NATURE\_1/5,COMMUNICATION\_1/5,TIME\_1/5,EVENT\_3/5 get can be used as the opposite of lose 0 0 0 1 4 0.95465 5 4.8 0.2 4.6 wiktionary/en/en 1.0

get SYN bring NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5 get can be used with the same meaning of bring 0 0 0 2 3 0.96955 5 4.6 0.3 4.3 wiktionary/en/en 1.0

get RANDOM act n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

get RANDOM bread n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

get RANDOM center n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

get RANDOM conflict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

get RANDOM criminal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

get RANDOM direction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

get RANDOM extinguish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

get RANDOM gown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

familiar ANT strange EMOTION\_3/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_3/5 familiar can be used as the opposite of strange 0 0 0 1 4 0.9713 5 4.8 0.2 4.6 verbosity 0.22181522787370223

familiar ANT unknown RELATIONSHIP\_3/5,SPACE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_2/5,EMTION\_1/5 familiar can be used as the opposite of unknown 0 0 0 0 5 0.962858333334 5 5.0 0.0 5.0 verbosity 0.31630796394028143

familiar SYN friendly EMOTION\_2/5,RELATIONSHIP\_3/5,COMMUNICATION\_1/5,CULTURE\_1/5,EVENT\_1/5 familiar can be used with the same meaning of friendly 0 0 0 2 3 0.9238 5 4.6 0.3 4.3 wiktionary/en/en 1.0

familiar RANDOM awake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

familiar RANDOM cabinet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

familiar RANDOM fog n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

familiar RANDOM jail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

familiar RANDOM knife n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

familiar RANDOM set n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

familiar RANDOM success n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

report HYPER document BUSINESS\_1/5,NATURE\_2/5,COMMUNICATION\_2/5,OBJECT\_3/5,EVENT\_1/5 report is a kind of document 0 0 0 1 4 0.950933333333 5 4.8 0.2 4.6 umbel 1.0

report RANDOM dislike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

report RANDOM gown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

report RANDOM lens n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

report RANDOM sink n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

report RANDOM street n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

report RANDOM vacuum n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

report RANDOM young n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trade HYPER business BUSINESS\_4/5,RELATIONSHIP\_2/5 trade is a kind of business 0 0 0 1 4 0.90685 5 4.8 0.2 4.6 wordnet/4.0 score

trade HYPER commerce OBJECT\_1/5,EVENT\_1/5,BUSINESS\_5/5 trade is a kind of commerce 0 0 0 0 5 0.94965 5 5.0 0.0 5.0 wordnet/4.0 score

trade HYPER exchange COMMUNICATION\_1/5,BUSINESS\_5/5,RELATIONSHIP\_2/5 trade is a kind of exchange 0 0 0 1 4 0.966283333333 5 4.8 0.2 4.6 wordnet/4.0 score

trade RANDOM blow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trade RANDOM doorway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trade RANDOM mug n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trade RANDOM fear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trade RANDOM follow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trade RANDOM leaf n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trade RANDOM paper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enemy ANT friend EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_5/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 enemy can be used as the opposite of friend 0 0 0 4 81 0.917598823529 85 4.95294117647 0.0453781512605 4.90756302521 verbosity 3.848417468499173

enemy RANDOM beam n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enemy RANDOM break n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enemy RANDOM life n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enemy RANDOM movie n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enemy RANDOM pass n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enemy RANDOM professor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enemy RANDOM share n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enemy RANDOM sick n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cry ANT smile EMOTION\_1/5,RELATIONSHIP\_2/5,EMTION\_2/5,EVENT\_1/5 cry can be used as the opposite of smile 0 0 0 2 3 0.953333333333 5 4.6 0.3 4.3 verbosity 0.36274666513686127

cry PART\_OF sadness EMOTION\_3/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 cry is part of sadness 0 0 0 2 3 0.963408333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

cry ANT laugh EMOTION\_5/5,EVENT\_1/5,NATURE\_1/5 cry can be used as the opposite of laugh 0 0 0 2 4 0.9319 6 4.66666666667 0.266666666667 4.4 wordnet/4.0 score

cry RANDOM beat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cry RANDOM child n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cry RANDOM drink n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cry RANDOM friend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cry RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cry RANDOM liberty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cry RANDOM move n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

priest HYPER clergyman BUSINESS\_1/5,RELATIONSHIP\_4/5,NATURE\_1/5,TIME\_1/5,CULTURE\_1/5,CULTURE\_2/5 priest is a kind of clergyman 0 0 0 0 5 0.940491666666 5 5.0 0.0 5.0 umbel 1.0

priest HYPER person OBJECT\_1/5,CULTURE\_1/5,RELATIONSHIP\_3/5,NATURE\_2/5 priest is a kind of person 0 0 0 0 5 0.883483333334 5 5.0 0.0 5.0 conceptnet/4/en 2.0

priest RANDOM actress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

priest RANDOM cake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

priest RANDOM dull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

priest RANDOM everything n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

priest RANDOM idle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

priest RANDOM misunderstand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

priest RANDOM road n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

priest RANDOM stick n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

common ANT individual RELATIONSHIP\_3/5,NATURE\_1/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_1/5 common can be used as the opposite of individual 0 0 0 3 3 0.95325 6 4.5 0.3 4.2 wordnet/4.0 score

common ANT rare RELATIONSHIP\_3/3 Common can be used as the opposite of rare 1 0 0 10 33 0.91245 44 4.68181818182 0.501057082452 4.18076109937 verbosity 1.1541197769085636

common ANT unique OBJECT\_1/5,CULTURE\_3/5,EVENT\_1/5,RELATIONSHIP\_1/5 common can be used as the opposite of unique 0 0 0 1 4 0.93192 5 4.8 0.2 4.6 verbosity 0.1794823871713948

common ANT unusual RELATIONSHIP\_2/5,NATURE\_2/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_2/5 common can be used as the opposite of unusual 1 0 0 0 4 0.93228 5 4.2 3.2 1.0 verbosity 0.47855769859950414

common RANDOM damage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

common RANDOM doorway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

common RANDOM fish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

common RANDOM fly n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

common RANDOM ifn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

common RANDOM ring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steak HYPER food FOOD\_5/5,OBJECT\_1/5,RELATIONSHIP\_1/5 steak is a kind of food 0 0 0 0 5 0.9261 5 5.0 0.0 5.0 conceptnet/4/en 3.700439718141092

steak HYPER meal FOOD\_5/5 steak is a kind of meal 0 0 0 1 4 0.965633333333 5 4.8 0.2 4.6 globalmind 2.0

steak RANDOM bias n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steak RANDOM calculate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steak RANDOM class n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steak RANDOM climb n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steak RANDOM prosecution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steak RANDOM set n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steak RANDOM statue n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal HYPER take EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_2/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_4/5 steal is a kind of take 0 0 0 1 4 0.899758333333 5 4.8 0.2 4.6 wordnet/4.0 score

steal RANDOM asia n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal RANDOM fancy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal RANDOM fish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal RANDOM knife n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal RANDOM paper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal RANDOM quality n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal RANDOM recreation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal RANDOM couple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

steal RANDOM taste n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vision HYPER experience EMOTION\_1/5,EVENT\_3/5,EMTION\_1/5,NATURE\_3/5 vision is a kind of experience 0 0 0 2 3 0.95925 5 4.6 0.3 4.3 wordnet/4.0 score

vision SYN dream EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,OBJECT\_1/5,CULTURE\_1/5,TIME\_1/5,EVENT\_3/5,EMTION\_1/5 vision can be used with the same meaning of dream 0 1 0 1 3 0.97665 5 4.2 1.7 2.5 wiktionary/en/en 1.0

vision RANDOM exchange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vision RANDOM homosexual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vision RANDOM joint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vision RANDOM less n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vision RANDOM math n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vision RANDOM saucepan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vision RANDOM report n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vision RANDOM rubbish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

set HYPER stage OBJECT\_3/5,EVENT\_1/5,SPACE\_4/5 set is a kind of stage 0 0 0 1 4 0.965 5 4.8 0.2 4.6 wordnet/4.0 score

set SYN collection OBJECT\_3/5,CULTURE\_1/5,EVENT\_1/5,NATURE\_1/5 set can be used with the same meaning of collection 0 0 0 0 5 0.970533333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

set RANDOM excitement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

set RANDOM flock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

set RANDOM ideology n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

set RANDOM idle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

set RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

set RANDOM nobody n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

set RANDOM state n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

set RANDOM trap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

frame HYPER construct OBJECT\_4/5,EVENT\_2/5 frame is a kind of construct 0 0 0 1 4 0.956708333334 5 4.8 0.2 4.6 wordnet/4.0 score

frame PART\_OF bed OBJECT\_5/5,RELATIONSHIP\_1/5 frame is part of bed 0 0 0 0 5 0.921125 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

frame PART\_OF bicycle OBJECT\_5/5 frame is part of bicycle 0 0 0 0 5 0.942608333334 5 5.0 0.0 5.0 globalmind 2.0

frame PART\_OF couch OBJECT\_5/5 frame is part of couch 0 0 0 2 3 0.924541666667 5 4.6 0.3 4.3 globalmind 2.0

frame PART\_OF picture OBJECT\_5/5 frame is part of picture 0 0 0 1 4 0.9726 5 4.8 0.2 4.6 conceptnet/4/en 2.0

frame PART\_OF window OBJECT\_5/5,EVENT\_1/5,NATURE\_2/5 frame is part of window 0 0 0 1 4 0.968508333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

frame RANDOM ascend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

frame RANDOM country n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

frame RANDOM emotion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

frame RANDOM leg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeze HYPER cool EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_3/5 freeze is a kind of cool 0 0 0 1 4 0.922558333333 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

freeze ANT melt OBJECT\_1/5,EVENT\_2/5,NATURE\_4/5 freeze can be used as the opposite of melt 0 0 0 2 3 0.92554 5 4.6 0.3 4.3 verbosity 0.010779838753242761

freeze RANDOM band n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeze RANDOM beat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeze RANDOM conflict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeze RANDOM dictionary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeze RANDOM forest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeze RANDOM gate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeze RANDOM ifn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freeze RANDOM kindness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

see SYN view EVENT\_5/7,NATURE\_2/7 see can be used with the same meaning of view 0 0 0 2 3 0.922433333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

see RANDOM apple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

see RANDOM back n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

see RANDOM cow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

see RANDOM government n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

see RANDOM guitar n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

see RANDOM nothing n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

see RANDOM sad n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

see RANDOM wash n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

computer HYPER machine OBJECT\_5/5,COMMUNICATION\_2/5,RELATIONSHIP\_1/5,CULTURE\_2/5 computer is a kind of machine 0 0 0 1 4 0.97365 5 4.8 0.2 4.6 globalmind 3.700439718141092

computer HYPER tool OBJECT\_5/5 computer is a kind of tool 0 0 1 1 3 0.90668 5 4.4 0.8 3.6 conceptnet/4/en 2.321928094887362

computer RANDOM bed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

computer RANDOM continent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

computer RANDOM drown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

computer RANDOM enjoy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

computer RANDOM man n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

computer RANDOM novel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

computer RANDOM prosecution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

computer RANDOM soul n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

college HYPER place CULTURE\_1/5,SPACE\_5/5 college is a kind of place 0 0 0 0 5 0.92816 5 5.0 0.0 5.0 conceptnet/4/en 4.321928094887363

college SYN school EMOTION\_1/5,BUSINESS\_1/5,NATURE\_1/5,COLOR\_1/5,COMMUNICATION\_1/5,SPACE\_5/5,EVENT\_1/5 college can be used with the same meaning of school 0 0 0 2 3 0.944608333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

college SYN university CULTURE\_1/5,NATURE\_1/5,RELATIONSHIP\_1/5,SPACE\_4/5 college can be used with the same meaning of university 0 0 0 0 5 0.96905 5 5.0 0.0 5.0 wiktionary/en/en 1.0

college RANDOM dance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

college RANDOM humanity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

college RANDOM paper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

college RANDOM play n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

college RANDOM rent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

college RANDOM shoot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

college RANDOM sunshine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sea HYPER place OBJECT\_1/5,NATURE\_1/5,SPACE\_5/5 sea is a kind of place 0 0 0 2 3 0.905766666667 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

sea ANT beach SPACE\_4/5,NATURE\_3/5 sea can be used as the opposite of beach 0 0 0 1 4 0.928875 5 4.8 0.2 4.6 verbosity 0.03562390973072122

sea ANT desert NATURE\_2/5,SPACE\_4/5 sea can be used as the opposite of desert 0 0 0 0 5 0.917525 5 5.0 0.0 5.0 verbosity 0.024936629210872547

sea RANDOM costume n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sea RANDOM frame n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sea RANDOM free n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sea RANDOM safe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sea RANDOM wear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fail ANT success EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_4/5 fail can be used as the opposite of success 0 0 0 0 5 0.900533333334 5 5.0 0.0 5.0 verbosity 0.7992873210466277

fail ANT complete EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 fail can be used as the opposite of complete 0 0 0 2 3 0.923866666666 5 4.6 0.3 4.3 verbosity 0.017921907997262315

fail ANT pass RELATIONSHIP\_1/5,COMMUNICATION\_1/5,TIME\_1/5,EVENT\_4/5,EMTIONCOMMUNICATION\_1/5 fail can be used as the opposite of pass 0 0 0 0 5 0.962166666666 5 5.0 0.0 5.0 wordnet/4.0 score

fail ANT succeed EMTIONRELATIONSHIP\_1/5,EVENT\_4/5,RELATIONSHIP\_2/5,CULTURE\_1/5 fail can be used as the opposite of succeed 0 0 0 0 5 0.8876 5 5.0 0.0 5.0 wordnet/4.0 score

fail ANT win CULTURE\_3/7,EVENT\_5/7 fail can be used as the opposite of win 0 0 0 1 4 0.941616666667 5 4.8 0.2 4.6 verbosity 0.48266675187850133

fail RANDOM actress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fail RANDOM dash n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fail RANDOM enlightenment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fail RANDOM hand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fail RANDOM mountain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

close ANT far OBJECT\_1/5,SPACE\_3/5,RELATIONSHIP\_2/5,TIME\_1/5 close can be used as the opposite of far 0 0 0 0 6 0.9438 6 5.0 0.0 5.0 verbosity 2.0125843160224757

close ANT open EMOTION\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,COLOR\_1/5,COMMUNICATION\_1/5,SPACE\_1/5,EVENT\_4/5 close can be used as the opposite of open 0 0 0 0 5 0.946333333334 5 5.0 0.0 5.0 wordnet/4.0 score

close SYN cover OBJECT\_1/5,EVENT\_4/5,RELATIONSHIP\_1/5 close can be used with the same meaning of cover 0 0 0 1 4 0.975783333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

close SYN end CULTURE\_2/5,EVENT\_4/5,NATURE\_1/5 close can be used with the same meaning of end 0 0 0 1 4 0.940375 5 4.8 0.2 4.6 wiktionary/en/en 1.0

close SYN finish RELATIONSHIP\_1/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_3/5 close can be used with the same meaning of finish 0 0 0 1 4 0.914958333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

close SYN narrow OBJECT\_1/5,EVENT\_3/5,RELATIONSHIP\_2/5,SPACE\_1/5 close can be used with the same meaning of narrow 0 0 0 2 3 0.953083333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

close RANDOM cap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

close RANDOM come n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

close RANDOM cook n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

close RANDOM elate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sport HYPER entertainment EMOTION\_2/3,OBJECT\_1/3,EVENT\_2/3,CULTURE\_2/3 Sport is a kind of entertainment 0 0 0 2 3 0.9027 5 4.6 0.3 4.3 conceptnet/4/en 2.321928094887362

sport HYPER exercise CULTURE\_3/5,EVENT\_2/5 sport is a kind of exercise 0 0 0 1 4 0.9022 5 4.8 0.2 4.6 conceptnet/4/en 1.0

sport RANDOM construct n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sport RANDOM middle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sport RANDOM pagan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sport RANDOM peace n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sport RANDOM recycle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sport RANDOM bring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sport RANDOM retire n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sport RANDOM spread n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

closet SYN cabinet OBJECT\_4/5,SPACE\_2/5 closet can be used with the same meaning of cabinet 0 0 0 1 4 0.967766666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

closet HYPER place OBJECT\_1/5,RELATIONSHIP\_1/5,SPACE\_5/5 closet is a kind of place 0 0 0 1 4 0.97808 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

closet HYPER room OBJECT\_1/5,SPACE\_5/5 closet is a kind of room 0 0 0 2 3 0.952708333334 5 4.6 0.3 4.3 umbel 1.0

closet RANDOM bus n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

closet RANDOM experiment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

closet RANDOM novel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

closet RANDOM rubbish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

closet RANDOM short n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

closet RANDOM teach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentleman ANT lady EVENT\_1/5,RELATIONSHIP\_4/5,SPACE\_1/5 gentleman can be used as the opposite of lady 0 0 0 1 4 0.930058333333 5 4.8 0.2 4.6 verbosity 0.2882905522778622

gentleman HYPER person EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_3/5,EVENT\_2/5 gentleman is a kind of person 0 0 0 0 5 0.97235 5 5.0 0.0 5.0 dbpedia/en 0.5849625007211562

gentleman SYN gent OBJECT\_1/5,COMMUNICATION\_1/5,RELATIONSHIP\_3/5,NATURE\_1/5 gentleman can be used with the same meaning of gent 0 0 0 0 5 0.913516666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

gentleman RANDOM blade n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentleman RANDOM chain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentleman RANDOM connect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentleman RANDOM dark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentleman RANDOM hammer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentleman RANDOM material n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gentleman RANDOM satisfy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

finger ANT toe OBJECT\_1/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5 finger can be used as the opposite of toe 0 0 0 2 3 0.936583333334 5 4.6 0.3 4.3 verbosity 1.857962754040473

finger PART\_OF hand OBJECT\_2/5,RELATIONSHIP\_1/5,NATURE\_5/5 finger is part of hand 0 0 0 0 5 0.96345 5 5.0 0.0 5.0 globalmind 4.584962500721157

finger PART\_OF human OBJECT\_1/5,NATURE\_5/5 finger is part of human 0 0 0 0 5 0.973783333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

finger RANDOM alphabet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

finger RANDOM dark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

finger RANDOM party n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

finger RANDOM place n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

finger RANDOM proton n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

finger RANDOM sunlight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

finger RANDOM unhappiness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

screen HYPER choose RELATIONSHIP\_3/5,EVENT\_4/5,EMTION\_1/5,NATURE\_1/5 screen is a kind of choose 0 0 0 2 3 0.958283333334 5 4.6 0.3 4.3 wordnet/4.0 score

screen PART\_OF monitor NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,CULTURE\_1/5,EVENT\_1/5 screen is part of monitor 0 0 0 0 5 0.931833333334 5 5.0 0.0 5.0 conceptnet/4/en 2.0

screen PART\_OF television OBJECT\_5/5,NATURE\_2/5 screen is part of television 0 0 0 0 5 0.936883333334 5 5.0 0.0 5.0 globalmind 2.0

screen PART\_OF tv OBJECT\_5/5 screen is part of tv 0 0 0 1 4 0.95865 5 4.8 0.2 4.6 globalmind 3.1699250014423126

screen RANDOM cigarette n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

screen RANDOM dish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

screen RANDOM father n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

screen RANDOM fly n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

screen RANDOM nut n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

screen RANDOM row n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sorrow ANT happy EMOTION\_5/5,RELATIONSHIP\_1/5 sorrow can be used as the opposite of happy 0 0 0 1 4 0.94788 5 4.8 0.2 4.6 verbosity 0.03899797879750991

sorrow HYPER unhappiness EMOTION\_3/5,RELATIONSHIP\_1/5,EMTION\_2/5,NATURE\_1/5 sorrow is a kind of unhappiness 0 0 0 1 4 0.961858333334 5 4.8 0.2 4.6 umbel 1.0

sorrow RANDOM construction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sorrow RANDOM culture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sorrow RANDOM fight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sorrow RANDOM produce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sorrow RANDOM spot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sorrow RANDOM surface n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sorrow RANDOM trap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sole PART\_OF foot NATURE\_5/5 sole is part of foot 0 0 0 1 4 0.975116666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

sole PART\_OF shoe OBJECT\_5/5,SPACE\_1/5 sole is part of shoe 0 0 0 0 5 0.963816666667 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

sole RANDOM boy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sole RANDOM commerce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sole RANDOM dark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sole RANDOM event n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sole RANDOM couple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sole RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sole RANDOM mail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sole RANDOM rank n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

death ANT life TIME\_1/5,EVENT\_3/5,RELATIONSHIP\_1/5,NATURE\_4/5 death can be used as the opposite of life 0 0 0 0 5 0.966966666666 5 5.0 0.0 5.0 verbosity 0.35614381022527536

death HYPER change RELATIONSHIP\_1/5,NATURE\_3/5,CULTURE\_1/5,TIME\_1/5,EVENT\_3/5 death is a kind of change 1 0 0 0 4 0.9228 5 4.2 3.2 1.0 wordnet/4.0 score

death HYPER end TIME\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5,NATURE\_3/5 death is a kind of end 0 0 0 0 5 0.9386 5 5.0 0.0 5.0 wordnet/4.0 score

death PART\_OF war RELATIONSHIP\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,CULTURE\_1/5,CULTURE\_2/5,EVENT\_3/5,EMTION\_1/5 death is part of war 0 0 0 2 3 0.966458333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

death RANDOM baggage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

death RANDOM candy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

death RANDOM eyeglass n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

death RANDOM hear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

death RANDOM leader n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

death RANDOM man n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

police HYPER human CULTURE\_2/5,RELATIONSHIP\_2/5,NATURE\_1/5 police is a kind of human 0 0 0 2 3 0.958058333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

police HYPER person COMMUNICATION\_1/5,RELATIONSHIP\_4/5,CULTURE\_1/5 police is a kind of person 0 0 0 0 5 0.929266666666 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

police RANDOM buy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

police RANDOM fluid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

police RANDOM lazy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

police RANDOM lock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

police RANDOM quit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

police RANDOM sink n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

police RANDOM sunset n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

police RANDOM understand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

come ANT leave EMOTION\_1/5,EVENT\_5/5,RELATIONSHIP\_2/5,NATURE\_1/5 come can be used as the opposite of leave 0 0 0 1 4 0.95665 5 4.8 0.2 4.6 wiktionary/en/en 1.0

come SYN arrive EVENT\_5/5,RELATIONSHIP\_1/5 come can be used with the same meaning of arrive 0 0 0 1 4 0.899041666666 5 4.8 0.2 4.6 wiktionary/en/en 1.0

come RANDOM fail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

come RANDOM fill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

come RANDOM look n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

come RANDOM newspaper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

come RANDOM orange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

come RANDOM original n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

come RANDOM recreation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

come RANDOM satisfaction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

protect ANT hurt EMOTION\_3/5,RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_1/5,EVENT\_2/5 protect can be used as the opposite of hurt 0 0 0 1 4 0.957291666667 5 4.8 0.2 4.6 verbosity 0.022190239634065988

protect ANT injure EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,CULTURE\_1/5,EVENT\_4/5 protect can be used as the opposite of injure 0 0 0 2 3 0.957991666667 5 4.6 0.3 4.3 verbosity 0.014355292977070055

protect SYN cover EMOTION\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_3/5 protect can be used with the same meaning of cover 0 0 0 0 5 0.912958333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

protect RANDOM add n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

protect RANDOM entertainment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

protect RANDOM error n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

protect RANDOM gang n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

protect RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

protect RANDOM performance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

protect RANDOM pop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grass HYPER plant OBJECT\_1/5,NATURE\_5/5 grass is a kind of plant 0 0 0 0 5 0.930066666667 5 5.0 0.0 5.0 globalmind 3.5849625007211565

grass HYPER shoot OBJECT\_2/5,NATURE\_3/5 grass is a kind of shoot 0 0 0 2 3 0.94215 5 4.6 0.3 4.3 wordnet/4.0 score

grass RANDOM change n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grass RANDOM creation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grass RANDOM faith n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grass RANDOM full n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grass RANDOM pencil n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grass RANDOM pretend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grass RANDOM talk n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

grass RANDOM well n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow HYPER food OBJECT\_1/5,FOOD\_5/5,NATURE\_1/5 cow is a kind of food 0 0 0 2 3 0.914058333333 5 4.6 0.3 4.3 conceptnet/4/en 0.0

cow RANDOM answer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow RANDOM constellation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow RANDOM device n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow RANDOM die n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow RANDOM hide n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow RANDOM ideology n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow RANDOM integrity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow RANDOM sofa n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cow RANDOM weed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

residence HYPER address EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_5/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 residence is a kind of address 0 0 0 0 5 0.944933333333 5 5.0 0.0 5.0 wordnet/4.0 score

residence HYPER house OBJECT\_1/5,SPACE\_5/5 residence is a kind of house 0 0 0 1 4 0.92002 5 4.8 0.2 4.6 wordnet/4.0 score

residence HYPER place OBJECT\_1/5,CULTURE\_1/5,RELATIONSHIP\_1/5,SPACE\_5/5 residence is a kind of place 0 0 0 0 5 0.87978 5 5.0 0.0 5.0 dbpedia/en 0.5849625007211562

residence SYN dwell EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,COLOR\_1/5,SPACE\_4/5,TIME\_1/5,EVENT\_1/5 residence can be used with the same meaning of dwell 0 0 0 1 4 0.9628 5 4.8 0.2 4.6 wiktionary/de/en 1.0

residence RANDOM gear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

residence RANDOM hot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

residence RANDOM lift n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

residence RANDOM line n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

residence RANDOM professor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

residence RANDOM relax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quiet ANT shout EMOTION\_2/5,OBJECT\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,TIME\_1/5,COLOR\_1/5,CULTURE\_2/5,NATURE\_1/5,EVENT\_2/5 quiet can be used as the opposite of shout 0 0 0 0 5 0.946 5 5.0 0.0 5.0 verbosity 0.036327491817765054

quiet ANT talk EMOTION\_1/5,COMMUNICATION\_2/5,EVENT\_3/5,RELATIONSHIP\_1/5 quiet can be used as the opposite of talk 0 0 0 2 3 0.94264 5 4.6 0.3 4.3 verbosity 0.009112795905580447

quiet RANDOM buy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quiet RANDOM end n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quiet RANDOM group n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quiet RANDOM mankind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quiet RANDOM offspring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quiet RANDOM reproduction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quiet RANDOM simple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

quiet RANDOM story n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contract ANT expand CULTURE\_1/3,EVENT\_2/3,RELATIONSHIP\_1/3 Contract can be used as the opposite of expand 0 0 1 1 3 0.94918 5 4.4 0.8 3.6 wordnet/4.0 score

contract ANT grow CULTURE\_1/5,EVENT\_3/5,RELATIONSHIP\_1/5 contract can be used as the opposite of grow 1 0 0 1 3 0.946383333333 5 4.0 3.0 1.0 wiktionary/en/en 1.0

contract RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contract RANDOM flight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contract RANDOM gate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contract RANDOM guitar n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contract RANDOM lace n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contract RANDOM lose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contract RANDOM nail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

contract RANDOM recreation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

consume SYN eat FOOD\_4/5,EVENT\_2/5 consume can be used with the same meaning of eat 0 0 0 0 5 0.910808333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

consume SYN swallow FOOD\_4/5,COMMUNICATION\_1/5,EVENT\_1/5,NATURE\_1/5 consume can be used with the same meaning of swallow 0 0 0 1 4 0.966341666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

consume SYN use CULTURE\_1/5,EVENT\_4/5,RELATIONSHIP\_3/5,NATURE\_1/5 consume can be used with the same meaning of use 0 0 0 2 3 0.972258333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

consume RANDOM cat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

consume RANDOM ifn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

consume RANDOM like n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

consume RANDOM lobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

consume RANDOM shop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

consume RANDOM star n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

consume RANDOM stationary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

point PART\_OF knife OBJECT\_5/5,NATURE\_1/5 point is part of knife 1 0 0 1 3 0.966425 5 4.0 3.0 1.0 wordnet/4.0 score

point PART\_OF needle RELATIONSHIP\_2/5,SPACE\_1/5,OBJECT\_5/5,CULTURE\_1/5,EVENT\_1/5 point is part of needle 0 0 0 0 5 0.934633333333 5 5.0 0.0 5.0 wordnet/4.0 score

point PART\_OF pencil OBJECT\_5/5,RELATIONSHIP\_1/5,SPACE\_1/5 point is part of pencil 0 0 0 0 5 0.97235 5 5.0 0.0 5.0 wordnet/4.0 score

point HYPER mark NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,SPACE\_1/5,EVENT\_1/5 point is a kind of mark 0 0 0 2 3 0.932591666666 5 4.6 0.3 4.3 wordnet/4.0 score

point PART\_OF pin OBJECT\_4/5,EVENT\_1/5 point is part of pin 0 0 0 2 3 0.952708333334 5 4.6 0.3 4.3 wordnet/4.0 score

point PART\_OF sword OBJECT\_5/5 point is part of sword 0 0 0 0 5 0.904658333334 5 5.0 0.0 5.0 globalmind 2.0

point SYN sharp EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_4/5,COLOR\_1/5,SPACE\_1/5,TIME\_3/5,EVENT\_1/5 point can be used with the same meaning of sharp 0 0 0 0 5 0.971716666667 5 5.0 0.0 5.0 wiktionary/en/en 1.0

point RANDOM bed n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

point RANDOM FALSE n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

point RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

color SYN shade COLOR\_5/5,COMMUNICATION\_1/5,TIME\_1/5 color can be used with the same meaning of shade 0 0 0 2 3 0.942641666666 5 4.6 0.3 4.3 wiktionary/en/en 1.0

color SYN paint COLOR\_5/5,OBJECT\_1/5,EVENT\_2/5,NATURE\_1/5 color can be used with the same meaning of paint 0 0 0 2 3 0.938341666666 5 4.6 0.3 4.3 wiktionary/en/en 1.0

color RANDOM dinner n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

color RANDOM fan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

color RANDOM health n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

color RANDOM leaf n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

color RANDOM literature n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

color RANDOM reason n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

color RANDOM religion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

color RANDOM turkey n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sweet ANT stale FOOD\_5/5 sweet can be used as the opposite of stale 1 0 0 1 3 0.936366666667 5 4.0 3.0 1.0 wiktionary/en/en 1.0

sweet HYPER taste FOOD\_4/5,EMOTION\_1/5,RELATIONSHIP\_1/5,EMTION\_1/5 sweet is a kind of taste 0 0 0 0 5 0.939225 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

sweet SYN kind EMOTION\_3/5,RELATIONSHIP\_1/5,EMTION\_2/5 sweet can be used with the same meaning of kind 0 0 0 1 4 0.965983333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

sweet SYN sugar EMOTION\_1/5,FOOD\_2/5,RELATIONSHIP\_1/5,NATURE\_2/5 sweet can be used with the same meaning of sugar 0 0 0 1 4 0.921858333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

sweet RANDOM article n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sweet RANDOM come n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sweet RANDOM rest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sweet RANDOM size n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sweet RANDOM society n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sweet RANDOM river n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trunk HYPER baggage EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 trunk is a kind of baggage 0 0 0 1 4 0.904475 5 4.8 0.2 4.6 wordnet/4.0 score

trunk PART\_OF car RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_3/5,SPACE\_2/5,EVENT\_1/5 trunk is part of car 0 0 0 1 4 0.941483333333 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

trunk PART\_OF tree OBJECT\_3/5,CULTURE\_1/5,NATURE\_5/5 trunk is part of tree 0 0 0 0 5 0.967533333334 5 5.0 0.0 5.0 globalmind 2.0

trunk RANDOM appear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trunk RANDOM fancy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trunk RANDOM boot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trunk RANDOM brush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trunk RANDOM device n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trunk RANDOM dislike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trunk RANDOM enrage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

walk ANT flight EVENT\_5/5,NATURE\_1/5 walk can be used as the opposite of flight 0 0 0 2 3 0.973866666667 5 4.6 0.3 4.3 wiktionary/de/en 1.0

walk ANT stop CULTURE\_1/5,EVENT\_5/5,NATURE\_1/5 walk can be used as the opposite of stop 0 0 0 2 3 0.91935 5 4.6 0.3 4.3 verbosity 0.05486236568968999

walk RANDOM common n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

walk RANDOM competition n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

walk RANDOM deceive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

walk RANDOM division n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

walk RANDOM enjoyment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

walk RANDOM future n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

walk RANDOM plate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

walk RANDOM vessel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

respect HYPER emotion EMOTION\_2/5,RELATIONSHIP\_1/5,EVENT\_2/5,EMTION\_2/5 respect is a kind of emotion 0 0 0 1 4 0.96015 5 4.8 0.2 4.6 umbel 1.0

respect SYN admire EMOTION\_2/5,RELATIONSHIP\_2/5,CULTURE\_1/5,TIME\_1/5,EVENT\_4/5,EMTION\_2/5 respect can be used with the same meaning of admire 0 0 0 2 3 0.933066666666 5 4.6 0.3 4.3 wiktionary/en/en 1.0

respect RANDOM active n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

respect RANDOM animal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

respect RANDOM candy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

respect RANDOM chest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

respect RANDOM on n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

respect RANDOM pole n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trust PART\_OF faith EMOTION\_2/5,NATURE\_1/5,EMTIONRELATIONSHIP\_1/5,CULTURE\_1/5,CULTURE\_4/5,EMTION\_1/5 trust is part of faith 0 0 0 1 4 0.975166666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

trust SYN confidence EMOTION\_3/5,COMMUNICATION\_1/5,CULTURE\_1/5,EVENT\_1/5,EMTION\_2/5 trust can be used with the same meaning of confidence 0 0 0 2 3 0.952983333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

trust RANDOM closet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trust RANDOM death n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trust RANDOM land n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trust RANDOM doorway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trust RANDOM honey n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trust RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trust RANDOM ocean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trust RANDOM part n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speak HYPER communicate EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_5/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_2/5 speak is a kind of communicate 0 0 0 6 84 0.918054444444 90 4.93333333333 0.0629213483146 4.87041198502 wordnet/4.0 score

speak HYPER sound COMMUNICATION\_5/5,CULTURE\_1/5 speak is a kind of sound 0 0 0 1 4 0.929658333334 5 4.8 0.2 4.6 wordnet/4.0 score

speak HYPER talk EMOTION\_1/5,COMMUNICATION\_5/5,NATURE\_1/5 speak is a kind of talk 0 0 0 0 5 0.955283333334 5 5.0 0.0 5.0 umbel 1.0

speak RANDOM baggage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speak RANDOM begin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speak RANDOM law n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speak RANDOM mistake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speak RANDOM problem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speak RANDOM relax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speak RANDOM transportation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turkey HYPER animal NATURE\_5/5 turkey is a kind of animal 0 0 0 0 5 0.971716666667 5 5.0 0.0 5.0 dbpedia/en 1.3219280948873624

turkey HYPER food FOOD\_5/5 turkey is a kind of food 0 0 0 0 5 0.94056 5 5.0 0.0 5.0 conceptnet/4/en 3.0

turkey HYPER place EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_5/5,TIME\_1/5,EVENT\_1/5 turkey is a kind of place 1 0 0 1 3 0.91362 5 4.0 3.0 1.0 dbpedia/en 0.5849625007211562

turkey RANDOM courage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turkey RANDOM drown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turkey RANDOM game n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turkey RANDOM land n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turkey RANDOM less n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turkey RANDOM newspaper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

turkey RANDOM protect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

raise ANT down EMOTION\_1/5,EVENT\_4/5,SPACE\_2/5,TIME\_1/5 raise can be used as the opposite of down 0 0 0 0 5 0.97235 5 5.0 0.0 5.0 verbosity 0.05528243550118961

raise ANT fall OBJECT\_1/5,EVENT\_5/5,NATURE\_1/5 raise can be used as the opposite of fall 0 0 0 0 5 0.936216666666 5 5.0 0.0 5.0 verbosity 0.013462259806562429

raise SYN lift RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_4/5 raise can be used with the same meaning of lift 0 0 0 1 4 0.942883333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

raise RANDOM address n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

raise RANDOM brush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

raise RANDOM pack n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

raise RANDOM place n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

raise RANDOM record n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

raise RANDOM temple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

raise RANDOM unbroken n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stretch ANT compress EVENT\_5/5 stretch can be used as the opposite of compress 0 0 0 1 4 0.951308333333 5 4.8 0.2 4.6 verbosity 0.7774314388918928

stretch ANT contract BUSINESS\_1/88,RELATIONSHIP\_5/88,NATURE\_11/88,COMMUNICATION\_4/88,OBJECT\_6/88,CULTURE\_2/88,TIME\_1/88,EVENT\_82/88 stretch can be used as the opposite of contract 0 0 0 1 4 0.888675 5 4.8 0.2 4.6 verbosity 0.26165975585757645

stretch HYPER exercise CULTURE\_2/5,EVENT\_4/5 stretch is a kind of exercise 0 0 0 2 3 0.892008333334 5 4.6 0.3 4.3 umbel 1.0

stretch RANDOM look n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stretch RANDOM mark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stretch RANDOM miss n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stretch RANDOM park n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stretch RANDOM praise n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stretch RANDOM recess n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stretch RANDOM smoke n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

create ANT destroy EMOTION\_1/5,CULTURE\_1/5,RELATIONSHIP\_1/5,BUSINESS\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,COLOR\_1/5,TIME\_1/5,EVENT\_5/5 create can be used as the opposite of destroy 0 0 0 0 5 0.925483333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

create HYPER make CULTURE\_1/5,EVENT\_4/5 create is a kind of make 2 0 2 20 69 0.92218172043 93 4.65591397849 0.532491818607 4.12342215988 wordnet/4.0 score

create SYN design OBJECT\_1/5,CULTURE\_1/5,EVENT\_4/5 create can be used with the same meaning of design 0 0 0 2 3 0.960116666666 5 4.6 0.3 4.3 wiktionary/en/en 1.0

create SYN produce EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 create can be used with the same meaning of produce 0 0 0 1 4 0.973283333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

create RANDOM food n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

create RANDOM leak n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

create RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

create RANDOM old n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

create RANDOM planet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

create RANDOM plot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vacation ANT work CULTURE\_1/5,EVENT\_5/5,SPACE\_1/5 vacation can be used as the opposite of work 0 0 0 1 4 0.894816666667 5 4.8 0.2 4.6 verbosity 0.04604862641508352

vacation HYPER leisure CULTURE\_2/5,EVENT\_4/5,TIME\_1/5 vacation is a kind of leisure 0 0 0 0 5 0.981633333334 5 5.0 0.0 5.0 wordnet/4.0 score

vacation HYPER trip RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_1/5,SPACE\_2/5,EVENT\_4/5 vacation is a kind of trip 0 0 0 0 5 0.922433333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

vacation SYN break EVENT\_5/5,NATURE\_1/5 vacation can be used with the same meaning of break 0 0 0 0 5 0.955183333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

vacation RANDOM strange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vacation RANDOM ascend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vacation RANDOM brave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vacation RANDOM cave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vacation RANDOM character n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

vacation RANDOM less n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feather PART\_OF bird OBJECT\_1/5,EVENT\_1/5,NATURE\_5/5 feather is part of bird 0 0 0 1 4 0.954383333334 5 4.8 0.2 4.6 wordnet/4.0 score

feather PART\_OF pillow OBJECT\_5/5,RELATIONSHIP\_1/5,NATURE\_2/5 feather is part of pillow 0 0 0 2 3 0.9113 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

feather RANDOM degree n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feather RANDOM depress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feather RANDOM frame n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feather RANDOM girl n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feather RANDOM honesty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feather RANDOM joint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feather RANDOM passageway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

feather RANDOM sink n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

waste ANT want EMOTION\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_3/5,EMTION\_1/5 waste can be used as the opposite of want 0 1 0 1 3 0.974516666666 5 4.2 1.7 2.5 verbosity 0.04236767761082006

waste ANT consume EMOTION\_1/5,FOOD\_1/5,EVENT\_5/5,NATURE\_2/5 waste can be used as the opposite of consume 0 0 0 1 4 0.977066666666 5 4.8 0.2 4.6 verbosity 0.010779838753242761

waste ANT recycle OBJECT\_2/5,CULTURE\_2/5,EVENT\_4/5 waste can be used as the opposite of recycle 0 1 0 0 4 0.93808 5 4.4 1.8 2.6 verbosity 0.1957142104768825

waste ANT save BUSINESS\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_3/5 waste can be used as the opposite of save 0 0 0 0 5 0.971833333334 5 5.0 0.0 5.0 verbosity 0.48213772920798786

waste ANT use OBJECT\_2/5,EVENT\_4/5 waste can be used as the opposite of use 0 0 0 0 5 0.942883333334 5 5.0 0.0 5.0 verbosity 0.5123476750298688

waste ANT useful RELATIONSHIP\_3/5,NATURE\_1/5,OBJECT\_3/5,TIME\_1/5,CULTURE\_2/5 waste can be used as the opposite of useful 0 1 0 2 3 0.947066666667 6 4.16666666667 1.36666666667 2.8 verbosity 0.18424220295834737

waste ANT valuable OBJECT\_3/5,EMOTION\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5 waste can be used as the opposite of valuable 0 0 0 1 4 0.93562 5 4.8 0.2 4.6 verbosity 0.032524065692199365

waste SYN refuse OBJECT\_5/5,COMMUNICATION\_1/5,TIME\_1/5 waste can be used with the same meaning of refuse 0 0 0 0 5 0.892525 5 5.0 0.0 5.0 wiktionary/de/en 1.0

waste SYN rubbish EMOTION\_1/7,RELATIONSHIP\_3/7,NATURE\_1/7,OBJECT\_3/7,CULTURE\_1/7,EVENT\_1/7 waste can be used with the same meaning of rubbish 0 0 0 0 5 0.942408333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

waste RANDOM cake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warmth ANT cold EMOTION\_2/5,RELATIONSHIP\_1/5,NATURE\_2/5 warmth can be used as the opposite of cold 0 0 0 0 5 0.92956 5 5.0 0.0 5.0 verbosity 0.08338358771008252

warmth ANT cool EMOTION\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,OBJECT\_1/5,SPACE\_1/5,CULTURE\_1/5,EVENT\_3/5 warmth can be used as the opposite of cool 0 0 0 2 3 0.9434 5 4.6 0.3 4.3 verbosity 0.01613970265525285

warmth RANDOM joint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warmth RANDOM enjoy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warmth RANDOM money n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warmth RANDOM hard n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warmth RANDOM hear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warmth RANDOM hem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warmth RANDOM ingredient n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warmth RANDOM old n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty ANT full OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_4/5 empty can be used as the opposite of full 0 0 0 1 4 0.960116666666 5 4.8 0.2 4.6 verbosity 0.39643695644882765

empty RANDOM apartment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty RANDOM approach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty RANDOM argument n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty RANDOM child n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty RANDOM forest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty RANDOM image n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty RANDOM lose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty RANDOM mature n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

empty RANDOM river n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fire HYPER burn EMOTION\_1/5,NATURE\_4/5,COMMUNICATION\_1/5,OBJECT\_2/5,EVENT\_2/5 fire is a kind of burn 0 0 0 2 3 0.902108333334 5 4.6 0.3 4.3 umbel 1.0

fire HYPER fireplace RELATIONSHIP\_1/5,SPACE\_1/5,OBJECT\_4/5,CULTURE\_1/5,TIME\_1/5 fire is a kind of fireplace 0 0 0 2 3 0.961366666666 5 4.6 0.3 4.3 wordnet/4.0 score

fire SYN shoot RELATIONSHIP\_1/5,BUSINESS\_1/5,SPACE\_1/5,COMMUNICATION\_1/5,EVENT\_5/5 fire can be used with the same meaning of shoot 0 0 0 1 4 0.9366 5 4.8 0.2 4.6 wiktionary/en/en 1.0

fire RANDOM attic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fire RANDOM escape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fire RANDOM fat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fire RANDOM free n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fire RANDOM fruit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fire RANDOM school n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fire RANDOM smile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sunshine ANT cloudy OBJECT\_1/5,EVENT\_2/5,NATURE\_3/5 sunshine can be used as the opposite of cloudy 0 0 1 1 3 0.95224 5 4.4 0.8 3.6 verbosity 0.009989063374530607

sunshine ANT night RELATIONSHIP\_1/5,SPACE\_1/5,COLOR\_2/5,OBJECT\_1/5,TIME\_1/5,NATURE\_3/5,EVENT\_1/5 sunshine can be used as the opposite of night 0 0 0 2 3 0.9343 5 4.6 0.3 4.3 wiktionary/de/en 1.0

sunshine RANDOM bolt n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sunshine RANDOM planet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sunshine RANDOM challenge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sunshine RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sunshine RANDOM couch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sunshine RANDOM hand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sunshine RANDOM illness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sunshine RANDOM something n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gas ANT liquid OBJECT\_2/5,RELATIONSHIP\_2/5,NATURE\_4/5 gas can be used as the opposite of liquid 0 1 0 2 3 0.920916666667 6 4.16666666667 1.36666666667 2.8 verbosity 1.3424054051581211

gas ANT oil OBJECT\_4/5,BUSINESS\_1/5,NATURE\_3/5 gas can be used as the opposite of oil 0 0 0 2 3 0.968283333334 5 4.6 0.3 4.3 verbosity 0.0095908259571858

gas ANT solid OBJECT\_2/5,NATURE\_3/5 gas can be used as the opposite of solid 0 0 0 2 3 0.9083 5 4.6 0.3 4.3 verbosity 1.2804966165629812

gas RANDOM fan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gas RANDOM jacket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gas RANDOM object n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gas RANDOM plant n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gas RANDOM slip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gas RANDOM solution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gas RANDOM stupid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand HYPER know EMOTION\_2/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_2/5,CULTURE\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_2/5,EMTION\_1/5 understand is a kind of know 0 0 0 1 4 0.958883333334 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

understand RANDOM aluminum n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand RANDOM mountain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand RANDOM couple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand RANDOM dirty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand RANDOM foot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand RANDOM ram n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand RANDOM image n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand RANDOM press n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

understand RANDOM trunk n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sound HYPER wave EMOTION\_1/5,SPACE\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,NATURE\_3/5,EVENT\_1/5 sound is a kind of wave 0 0 0 0 5 0.948041666666 5 5.0 0.0 5.0 conceptnet/4/en 2.0

sound ANT silent COMMUNICATION\_2/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5 sound can be used as the opposite of silent 0 0 0 1 4 0.9381 5 4.8 0.2 4.6 verbosity 0.19364560061082656

sound RANDOM contract n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sound RANDOM darling n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sound RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sound RANDOM piece n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sound RANDOM port n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sound RANDOM road n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sound RANDOM spouse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

commerce SYN deal EMOTION\_1/5,CULTURE\_1/5,RELATIONSHIP\_1/5,BUSINESS\_4/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_3/5 commerce can be used with the same meaning of deal 0 0 0 2 3 0.960183333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

commerce SYN trade EMOTION\_1/5,CULTURE\_1/5,RELATIONSHIP\_1/5,BUSINESS\_4/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_3/5 commerce can be used with the same meaning of trade 0 0 0 1 4 0.92225 5 4.8 0.2 4.6 wiktionary/en/en 1.0

commerce RANDOM bathroom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

commerce RANDOM bull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

commerce RANDOM crystal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

commerce RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

commerce RANDOM humble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

commerce RANDOM john n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

commerce RANDOM movement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

commerce RANDOM number n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

save ANT spend RELATIONSHIP\_2/5,BUSINESS\_2/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_4/5 save can be used as the opposite of spend 0 0 0 0 5 0.932366666667 5 5.0 0.0 5.0 verbosity 0.012568673503055681

save SYN keep EVENT\_5/5,RELATIONSHIP\_1/5 save can be used with the same meaning of keep 0 0 0 1 4 0.9092 5 4.8 0.2 4.6 umbel 2.321928094887362

save RANDOM address n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

save RANDOM dirty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

save RANDOM expand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

save RANDOM human n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

save RANDOM laugh n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

save RANDOM mug n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

save RANDOM tank n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

save RANDOM tooth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

politician HYPER human RELATIONSHIP\_3/5,NATURE\_2/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5 politician is a kind of human 0 0 0 0 5 0.969416666667 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

politician HYPER leader RELATIONSHIP\_4/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5 politician is a kind of leader 0 0 0 2 3 0.909366666667 5 4.6 0.3 4.3 wordnet/4.0 score

politician RANDOM body n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

politician RANDOM bridge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

politician RANDOM dinner n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

politician RANDOM escape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

politician RANDOM frame n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

politician RANDOM fun n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

politician RANDOM light n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

politician RANDOM mountain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plain ANT complex RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_1/5,CULTURE\_1/5,EVENT\_2/5 plain can be used as the opposite of complex 0 0 0 2 3 0.945241666667 5 4.6 0.3 4.3 verbosity 0.013640910669386311

plain ANT fancy NATURE\_1/5,FOOD\_1/5,OBJECT\_2/5,SPACE\_1/5,EVENT\_2/5 plain can be used as the opposite of fancy 0 0 0 1 4 0.952525 5 4.8 0.2 4.6 verbosity 1.451703028187131

plain ANT pattern EMOTION\_2/5,RELATIONSHIP\_1/5,COLOR\_1/5,OBJECT\_3/5,EVENT\_1/5 plain can be used as the opposite of pattern 0 0 0 0 5 0.945591666667 5 5.0 0.0 5.0 verbosity 0.00839545371011164

plain HYPER land NATURE\_2/5,SPACE\_5/5 plain is a kind of land 0 0 0 1 5 0.95505 6 4.83333333333 0.166666666667 4.66666666666 wordnet/4.0 score

plain RANDOM arrive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plain RANDOM cell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plain RANDOM come n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plain RANDOM grow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plain RANDOM level n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

plain RANDOM pagan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sex HYPER feel EMOTION\_5/5,OBJECT\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_3/5,FOOD\_1/5,COMMUNICATION\_2/5,SPACE\_1/5,COLOR\_1/5,TIME\_1/5,EVENT\_2/5 sex is a kind of feel 0 0 0 2 3 0.89586 5 4.6 0.3 4.3 wordnet/3.0 1.5849625007211563

sex HYPER fun EMOTION\_5/5,EVENT\_4/5,CULTURE\_1/5 sex is a kind of fun 0 0 0 2 3 0.90918 5 4.6 0.3 4.3 globalmind 2.0

sex HYPER pleasure EMOTION\_3/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_2/5 sex is a kind of pleasure 0 0 0 0 5 0.92422 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

sex PART\_OF life EVENT\_3/5,RELATIONSHIP\_1/5,NATURE\_4/5 sex is part of life 0 0 0 0 5 0.968283333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

sex RANDOM cigarette n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sex RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sex RANDOM potato n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sex RANDOM keep n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sex RANDOM nail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sex RANDOM planet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

error PART\_OF learn RELATIONSHIP\_1/5,NATURE\_2/5,CULTURE\_2/5,TIME\_1/5,EVENT\_2/5 error is part of learn 0 0 0 2 3 0.925608333333 5 4.6 0.3 4.3 conceptnet/4/en 2.321928094887362

error SYN mistake COMMUNICATION\_1/5,EVENT\_4/5,RELATIONSHIP\_1/5,SPACE\_1/5 error can be used with the same meaning of mistake 0 0 0 0 5 0.973 5 5.0 0.0 5.0 wiktionary/en/en 1.0

error SYN slip COMMUNICATION\_2/5,EVENT\_4/5,RELATIONSHIP\_2/5 error can be used with the same meaning of slip 0 0 0 1 4 0.9642 5 4.8 0.2 4.6 wiktionary/en/en 1.0

error RANDOM courthouse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

error RANDOM dark n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

error RANDOM disease n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

error RANDOM honesty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

error RANDOM misery n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

error RANDOM recess n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

error RANDOM temperature n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fun SYN pleasure EMOTION\_3/5,EVENT\_1/5,EMTION\_2/5 fun can be used with the same meaning of pleasure 0 0 0 1 4 0.938983333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

fun RANDOM desert n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fun RANDOM eye n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fun RANDOM fashion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fun RANDOM lobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fun RANDOM nothing n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fun RANDOM rule n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fun RANDOM skin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fun RANDOM wind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property SYN land OBJECT\_3/5,SPACE\_4/5 property can be used with the same meaning of land 0 0 0 2 3 0.948358333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

property RANDOM bias n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property RANDOM cover n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property RANDOM engage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property RANDOM flight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property RANDOM liquid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property RANDOM paint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property RANDOM pit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property RANDOM rough n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

property RANDOM skin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

telephone HYPER device OBJECT\_5/5,COMMUNICATION\_3/5,RELATIONSHIP\_1/5 telephone is a kind of device 0 0 0 0 5 0.978583333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

telephone SYN call RELATIONSHIP\_1/5,COMMUNICATION\_3/5,OBJECT\_4/5,CULTURE\_1/5,EVENT\_1/5 telephone can be used with the same meaning of call 0 0 0 1 4 0.8992 5 4.8 0.2 4.6 wiktionary/en/en 1.0

telephone SYN ring RELATIONSHIP\_1/5,COMMUNICATION\_2/5,OBJECT\_3/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5 telephone can be used with the same meaning of ring 0 0 0 2 3 0.939833333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

telephone RANDOM arrive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

telephone RANDOM book n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

telephone RANDOM bull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

telephone RANDOM door n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

telephone RANDOM finish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

telephone RANDOM grain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

telephone RANDOM save n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue HYPER paper OBJECT\_5/5,EVENT\_1/5,NATURE\_1/5 tissue is a kind of paper 0 0 0 0 5 0.916216666667 5 5.0 0.0 5.0 wordnet/4.0 score

tissue RANDOM bite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue RANDOM dirty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue RANDOM harvest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue RANDOM jump n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue RANDOM large n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue RANDOM leader n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue RANDOM orange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue RANDOM thin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tissue RANDOM job n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

develop ANT destroy EVENT\_3/5,RELATIONSHIP\_1/5,EMTIONCOMMUNICATION\_1/5 develop can be used as the opposite of destroy 0 0 0 1 4 0.947783333333 5 4.8 0.2 4.6 verbosity 0.04731153208534154

develop HYPER create OBJECT\_2/5,CULTURE\_1/5,TIME\_1/5,EVENT\_4/5,EMTION\_1/5 develop is a kind of create 0 0 0 2 3 0.967533333334 5 4.6 0.3 4.3 wordnet/4.0 score

develop HYPER expand RELATIONSHIP\_1/5,EVENT\_5/5,BUSINESS\_1/5 develop is a kind of expand 0 0 0 2 3 0.909541666667 5 4.6 0.3 4.3 wordnet/4.0 score

develop HYPER grow CULTURE\_1/5,EVENT\_4/5,NATURE\_1/5 develop is a kind of grow 0 0 0 2 3 0.902108333334 5 4.6 0.3 4.3 wordnet/4.0 score

develop RANDOM choose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

develop RANDOM dream n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

develop RANDOM garden n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

develop RANDOM ideology n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

develop RANDOM monitor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

develop RANDOM motorcycle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soldier HYPER person EMOTION\_1/3,RELATIONSHIP\_2/3,NATURE\_1/3,OBJECT\_2/3,TIME\_1/3 Soldier is a kind of person 0 0 0 2 3 0.8601 5 4.6 0.3 4.3 conceptnet/4/en 2.321928094887362

soldier PART\_OF army OBJECT\_1/5,EVENT\_1/5,RELATIONSHIP\_5/5,NATURE\_1/5 soldier is part of army 0 0 0 0 5 0.9649 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

soldier PART\_OF war RELATIONSHIP\_2/5,NATURE\_2/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_2/5 soldier is part of war 0 0 0 1 4 0.962216666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

soldier RANDOM appear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soldier RANDOM bad n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soldier RANDOM bolt n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soldier RANDOM cannabis n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soldier RANDOM contaminate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soldier RANDOM fill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soldier RANDOM little n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

same ANT unique OBJECT\_3/5,CULTURE\_1/5,EVENT\_1/5,RELATIONSHIP\_2/5 same can be used as the opposite of unique 0 0 0 2 3 0.94624 5 4.6 0.3 4.3 verbosity 0.04001567884787907

same SYN equal RELATIONSHIP\_3/5,NATURE\_1/5,COMMUNICATION\_1/5,CULTURE\_1/5,EVENT\_2/5 same can be used with the same meaning of equal 0 0 0 0 5 0.940875 5 5.0 0.0 5.0 wiktionary/en/en 1.0

same RANDOM bind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

same RANDOM cigarette n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

same RANDOM count n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

same RANDOM escape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

same RANDOM fun n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

same RANDOM offspring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

same RANDOM pot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

same RANDOM restrict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complex ANT simple EMOTION\_2/5,RELATIONSHIP\_4/5,BUSINESS\_1/5,TIME\_1/5,EVENT\_1/5 complex can be used as the opposite of simple 0 0 0 2 3 0.9381 5 4.6 0.3 4.3 wordnet/4.0 score

complex SYN hard CULTURE\_1/5,EVENT\_5/5,RELATIONSHIP\_1/5,COMMUNICATION\_1/5 complex can be used with the same meaning of hard 0 0 0 2 3 0.898 5 4.6 0.3 4.3 wiktionary/en/en 1.0

complex RANDOM beat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complex RANDOM equal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complex RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complex RANDOM mystery n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complex RANDOM road n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complex RANDOM sheep n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complex RANDOM spring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complex RANDOM sunshine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech HYPER speak COMMUNICATION\_4/5,EVENT\_1/5,NATURE\_1/5 speech is a kind of speak 0 0 0 0 5 0.941133333334 5 5.0 0.0 5.0 wordnet/3.0 1.5849625007211563

speech RANDOM chill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech RANDOM fortune n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech RANDOM hand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech RANDOM parent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech RANDOM plant n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech RANDOM purpose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech RANDOM retire n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech RANDOM spend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

speech RANDOM value n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document HYPER communication OBJECT\_2/5,COMMUNICATION\_5/5,CULTURE\_1/5 document is a kind of communication 0 0 0 2 3 0.958883333334 5 4.6 0.3 4.3 wordnet/4.0 score

document RANDOM bird n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document RANDOM boredom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document RANDOM bumpy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document RANDOM communism n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document RANDOM hate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document RANDOM juice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document RANDOM meat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document RANDOM mystery n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

document RANDOM useful n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

conflict ANT agreement EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_5/5 conflict can be used as the opposite of agreement 0 0 0 0 5 0.934033333334 5 5.0 0.0 5.0 verbosity 0.008694389639227666

conflict ANT peace EMOTION\_2/5,RELATIONSHIP\_1/5,NATURE\_1/5,CULTURE\_2/5,TIME\_1/5,EVENT\_4/5 conflict can be used as the opposite of peace 0 0 0 0 5 0.923716666666 5 5.0 0.0 5.0 verbosity 0.07525878405584602

conflict SYN fight EMOTION\_1/5,RELATIONSHIP\_2/5,BUSINESS\_1/5,CULTURE\_1/5,EVENT\_3/5 conflict can be used with the same meaning of fight 0 0 0 0 5 0.936216666666 5 5.0 0.0 5.0 wiktionary/de/en 1.0

conflict RANDOM bath n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

conflict RANDOM begin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

conflict RANDOM date n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

conflict RANDOM descend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

conflict RANDOM globe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

conflict RANDOM metal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

conflict RANDOM stationary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wheel HYPER object OBJECT\_5/5,RELATIONSHIP\_1/5 wheel is a kind of object 0 0 0 0 5 0.946183333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

wheel PART\_OF bicycle OBJECT\_5/5,NATURE\_1/5 wheel is part of bicycle 0 0 0 0 5 0.9847 5 5.0 0.0 5.0 globalmind 3.1699250014423126

wheel PART\_OF car OBJECT\_5/5,NATURE\_1/5 wheel is part of car 0 0 0 0 5 0.927941666666 5 5.0 0.0 5.0 globalmind 4.169925001442312

wheel PART\_OF motorcycle OBJECT\_5/5,BUSINESS\_1/5 wheel is part of motorcycle 0 0 0 0 5 0.899491666667 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

wheel PART\_OF vehicle OBJECT\_5/5 wheel is part of vehicle 0 0 0 0 5 0.968666666667 5 5.0 0.0 5.0 conceptnet/4/en 2.0

wheel RANDOM build n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wheel RANDOM document n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wheel RANDOM hear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wheel RANDOM information n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wheel RANDOM kitchen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sickness ANT healthy EMOTION\_1/5,CULTURE\_1/5,EVENT\_3/5,NATURE\_2/5 sickness can be used as the opposite of healthy 0 0 0 1 4 0.91862 5 4.8 0.2 4.6 verbosity 0.05123287232110194

sickness ANT well RELATIONSHIP\_2/5,NATURE\_3/5,TIME\_1/5,EVENT\_3/5,EMTION\_1/5 sickness can be used as the opposite of well 0 0 0 0 5 0.920183333334 5 5.0 0.0 5.0 verbosity 0.04293319766525429

sickness RANDOM antique n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sickness RANDOM burn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sickness RANDOM collection n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sickness RANDOM harvest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sickness RANDOM muscle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sickness RANDOM prosecution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sickness RANDOM bike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sickness RANDOM skyscraper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoyment HYPER pleasure EMOTION\_3/5,COMMUNICATION\_2/5,EMTION\_2/5 enjoyment is a kind of pleasure 0 0 0 0 5 0.965366666666 5 5.0 0.0 5.0 wordnet/4.0 score

enjoyment SYN delight EMOTION\_3/5,RELATIONSHIP\_1/5,NATURE\_1/5,EVENT\_2/5,EMTIONCOMMUNICATION\_1/5 enjoyment can be used with the same meaning of delight 0 0 0 1 4 0.936041666667 5 4.8 0.2 4.6 wiktionary/de/en 1.0

enjoyment SYN fun EMOTION\_3/5,OBJECT\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,TIME\_1/5,COLOR\_1/5,SPACE\_1/5,CULTURE\_2/5,EVENT\_2/5,EMTION\_1/5 enjoyment can be used with the same meaning of fun 0 0 0 1 4 0.963341666667 5 4.8 0.2 4.6 umbel 1.0

enjoyment RANDOM branch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoyment RANDOM criminal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoyment RANDOM destroy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoyment RANDOM fluid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoyment RANDOM grip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoyment RANDOM live n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

enjoyment RANDOM quality n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick HYPER choose EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 pick is a kind of choose 0 0 0 1 4 0.9712 5 4.8 0.2 4.6 wordnet/4.0 score

pick RANDOM bolt n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick RANDOM breathe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick RANDOM consume n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick RANDOM enlightenment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick RANDOM fill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick RANDOM flat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick RANDOM mobile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick RANDOM smooth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pick RANDOM stress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rain ANT dry EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_2/5,NATURE\_5/5,EVENT\_2/5 rain can be used as the opposite of dry 0 0 0 1 4 0.97705 5 4.8 0.2 4.6 verbosity 0.0730627052199046

rain ANT sun EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_4/5,EVENT\_1/5 rain can be used as the opposite of sun 0 0 1 0 4 0.9151 5 4.6 0.8 3.8 verbosity 0.1196549782090462

rain ANT sunshine CULTURE\_1/5,NATURE\_5/5 rain can be used as the opposite of sunshine 0 0 0 1 4 0.93472 5 4.8 0.2 4.6 verbosity 0.32741144392003185

rain HYPER weather RELATIONSHIP\_1/5,NATURE\_3/5,COMMUNICATION\_1/5,OBJECT\_2/5,EVENT\_2/5 rain is a kind of weather 0 0 0 1 4 0.947791666667 5 4.8 0.2 4.6 globalmind 3.4594316186372978

rain RANDOM cat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rain RANDOM garden n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rain RANDOM globe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rain RANDOM land n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rain RANDOM pit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rain RANDOM pitch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hand SYN paw OBJECT\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 hand can be used with the same meaning of paw 0 0 0 2 3 0.959208333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

hand HYPER aid CULTURE\_1/5,EVENT\_3/5,NATURE\_1/5 hand is a kind of aid 0 0 0 2 3 0.961141666667 5 4.6 0.3 4.3 wordnet/4.0 score

hand PART\_OF body OBJECT\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 hand is part of body 0 0 0 0 5 0.921225 5 5.0 0.0 5.0 conceptnet/4/en 2.584962500721156

hand PART\_OF human EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 hand is part of human 0 0 0 0 5 0.952841666667 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

hand RANDOM cabinet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hand RANDOM coin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hand RANDOM cube n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hand RANDOM enjoy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hand RANDOM performance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hand RANDOM teach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

delight ANT dislike EMOTION\_3/5,RELATIONSHIP\_2/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 delight can be used as the opposite of dislike 0 0 0 0 5 0.960283333334 5 5.0 0.0 5.0 verbosity 0.007482576331206196

delight SYN joy EMOTION\_3/5,EMTION\_2/5 delight can be used with the same meaning of joy 0 0 0 0 5 0.96495 5 5.0 0.0 5.0 wiktionary/de/en 1.0

delight SYN pleasure EMOTION\_3/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 delight can be used with the same meaning of pleasure 0 0 0 0 5 0.961416666667 5 5.0 0.0 5.0 wiktionary/de/en 1.0

delight RANDOM continent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

delight RANDOM follow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

delight RANDOM grow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

delight RANDOM hot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

delight RANDOM less n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

delight RANDOM side n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

delight RANDOM trap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

purpose SYN mean EMOTION\_1/5,EVENT\_3/5,RELATIONSHIP\_4/5 purpose can be used with the same meaning of mean 0 0 0 2 3 0.947533333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

purpose HYPER goal EMOTION\_2/5,CULTURE\_1/5,CULTURE\_1/5,TIME\_1/5,EVENT\_4/5,EMTIONCOMMUNICATION\_1/5 purpose is a kind of goal 0 0 0 1 4 0.966616666666 5 4.8 0.2 4.6 wordnet/4.0 score

purpose SYN object EMOTION\_1/5,RELATIONSHIP\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_2/5 purpose can be used with the same meaning of object 0 0 0 2 3 0.9549 5 4.6 0.3 4.3 wiktionary/de/en 1.0

purpose SYN plan EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_4/5,EMTIONCOMMUNICATION\_1/5 purpose can be used with the same meaning of plan 0 0 0 0 5 0.948916666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

purpose SYN reason RELATIONSHIP\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5,EMTIONCOMMUNICATION\_1/5 purpose can be used with the same meaning of reason 0 0 0 1 4 0.961416666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

purpose RANDOM attach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

purpose RANDOM branch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

purpose RANDOM bread n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

purpose RANDOM cloth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

purpose RANDOM furniture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

statue HYPER art EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,CULTURE\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 statue is a kind of art 0 0 0 0 5 0.95745 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

statue RANDOM bitch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

statue RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

statue RANDOM enlightenment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

statue RANDOM island n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

statue RANDOM climb n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

statue RANDOM mistake n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

statue RANDOM ordinary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

statue RANDOM successful n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

expand HYPER grow NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,TIME\_1/5,EVENT\_4/5 expand is a kind of grow 0 0 0 1 4 0.952591666666 5 4.8 0.2 4.6 wordnet/4.0 score

expand SYN increase RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_3/5,TIME\_1/5,EVENT\_2/5 expand can be used with the same meaning of increase 0 0 0 0 5 0.914741666667 5 5.0 0.0 5.0 wiktionary/de/en 1.0

expand SYN spread OBJECT\_1/5,RELATIONSHIP\_1/5,COMMUNICATION\_1/5,TIME\_1/5,CULTURE\_1/5,EVENT\_3/5 expand can be used with the same meaning of spread 0 0 0 2 3 0.911808333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

expand RANDOM drown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

expand RANDOM homosexual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

expand RANDOM misunderstand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

expand RANDOM score n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

expand RANDOM skeleton n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

expand RANDOM student n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

expand RANDOM vertical n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

weapon HYPER tool RELATIONSHIP\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,CULTURE\_1/5,EVENT\_1/5 weapon is a kind of tool 0 0 0 1 4 0.962966666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

weapon PART\_OF war OBJECT\_4/5,EVENT\_1/5,RELATIONSHIP\_1/5 weapon is part of war 0 0 0 0 5 0.930558333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

weapon RANDOM toe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

weapon RANDOM bolt n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

weapon RANDOM hear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

weapon RANDOM information n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

weapon RANDOM down n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

weapon RANDOM fan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

weapon RANDOM material n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

weapon RANDOM pay n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deal SYN trade BUSINESS\_62/73,NATURE\_4/73,COMMUNICATION\_5/73,OBJECT\_3/73,CULTURE\_2/73,EVENT\_27/73 deal can be used with the same meaning of trade 0 0 0 2 3 0.959833333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

deal SYN contract COMMUNICATION\_1/5,BUSINESS\_4/5,EVENT\_2/5,RELATIONSHIP\_1/5 deal can be used with the same meaning of contract 0 0 0 1 4 0.973283333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

deal RANDOM all n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deal RANDOM gear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deal RANDOM i n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deal RANDOM pit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deal RANDOM pride n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deal RANDOM snow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deal RANDOM take n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deal RANDOM truth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

person HYPER individual OBJECT\_1/5,RELATIONSHIP\_3/5,NATURE\_2/5 person is a kind of individual 0 0 0 0 5 0.96085 5 5.0 0.0 5.0 conceptnet/4/en 3.1699250014423126

person HYPER mammal OBJECT\_1/5,EVENT\_1/5,NATURE\_5/5 person is a kind of mammal 0 0 0 0 5 0.92082 5 5.0 0.0 5.0 globalmind 3.4594316186372978

person HYPER organism OBJECT\_2/5,CULTURE\_1/5,NATURE\_5/5 person is a kind of organism 0 0 0 1 4 0.931091666666 5 4.8 0.2 4.6 wordnet/4.0 score

person PART\_OF humanity OBJECT\_1/5,CULTURE\_1/5,RELATIONSHIP\_2/5,NATURE\_3/5 person is part of humanity 0 0 0 3 3 0.91255 6 4.5 0.3 4.2 conceptnet/4/en 1.5849625007211563

person PART\_OF society EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_2/5,SPACE\_1/5,TIME\_1/5,EVENT\_2/5 person is part of society 0 0 0 2 3 0.947108333333 5 4.6 0.3 4.3 conceptnet/4/en 4.08746284125034

person RANDOM article n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

person RANDOM frame n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

person RANDOM free n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

person RANDOM small n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

person RANDOM stop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

edge ANT middle COMMUNICATION\_1/5,RELATIONSHIP\_3/5,SPACE\_2/5 edge can be used as the opposite of middle 0 0 0 2 3 0.911908333334 5 4.6 0.3 4.3 verbosity 0.9458350570507508

edge PART\_OF sword OBJECT\_5/5,RELATIONSHIP\_2/5 edge is part of sword 0 0 0 0 5 0.939833333334 5 5.0 0.0 5.0 globalmind 2.0

edge SYN hem OBJECT\_5/5,NATURE\_1/5,SPACE\_1/5 edge can be used with the same meaning of hem 0 0 0 2 3 0.961608333333 5 4.6 0.3 4.3 wiktionary/de/en 1.0

edge SYN line RELATIONSHIP\_3/5,SPACE\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5 edge can be used with the same meaning of line 0 0 0 1 4 0.941116666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

edge RANDOM bull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

edge RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

edge RANDOM equal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

edge RANDOM kitchen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

edge RANDOM loose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

edge RANDOM male n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foyer HYPER place RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_2/5,CULTURE\_1/5,SPACE\_3/5,EVENT\_1/5 foyer is a kind of place 0 0 0 1 4 0.955758333334 5 4.8 0.2 4.6 dbpedia/en 0.5849625007211562

foyer HYPER room OBJECT\_2/5,COMMUNICATION\_1/5,EVENT\_1/5,SPACE\_5/5 foyer is a kind of room 0 0 0 1 4 0.932366666667 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

foyer PART\_OF house OBJECT\_2/5,SPACE\_5/5 foyer is part of house 0 0 0 2 3 0.930208333334 5 4.6 0.3 4.3 conceptnet/4/en 2.0

foyer SYN hall OBJECT\_1/5,SPACE\_5/5 foyer can be used with the same meaning of hall 0 0 0 2 3 0.973383333334 5 4.6 0.3 4.3 wiktionary/de/en 1.0

foyer SYN lobby EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_3/5,TIME\_1/5,EVENT\_2/5 foyer can be used with the same meaning of lobby 0 0 0 0 5 0.959716666667 5 5.0 0.0 5.0 wiktionary/de/en 2.0

foyer RANDOM brave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foyer RANDOM confuse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foyer RANDOM engage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foyer RANDOM good n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foyer RANDOM pot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flesh HYPER color RELATIONSHIP\_1/5,NATURE\_2/5,COLOR\_4/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5 flesh is a kind of color 0 0 0 2 3 0.939833333334 5 4.6 0.3 4.3 conceptnet/4/en 2.0

flesh PART\_OF apple EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_2/5,COMMUNICATION\_1/5,OBJECT\_3/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 flesh is part of apple 0 0 0 2 3 0.970483333334 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

flesh PART\_OF grape FOOD\_4/5,NATURE\_2/5 flesh is part of grape 0 0 0 1 4 0.962966666666 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

flesh PART\_OF orange FOOD\_4/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5 flesh is part of orange 0 0 0 1 4 0.955933333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

flesh PART\_OF peach NATURE\_3/5,FOOD\_2/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5 flesh is part of peach 0 0 0 2 3 0.966041666667 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

flesh SYN meat RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_3/5,OBJECT\_2/5,CULTURE\_1/5 flesh can be used with the same meaning of meat 0 0 0 1 4 0.968508333334 5 4.8 0.2 4.6 umbel 1.0

flesh RANDOM agreement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flesh RANDOM apartment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flesh RANDOM character n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

flesh RANDOM descend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rest ANT action OBJECT\_1/5,EVENT\_4/5 rest can be used as the opposite of action 0 0 0 0 5 0.977783333333 5 5.0 0.0 5.0 verbosity 0.1480311210407133

rest ANT active NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,TIME\_1/5,EVENT\_4/5 rest can be used as the opposite of active 0 0 0 1 4 0.944708333334 5 4.8 0.2 4.6 verbosity 0.7157429447295307

rest ANT awake EMOTION\_2/5,CULTURE\_1/5,EVENT\_2/5,NATURE\_1/5 rest can be used as the opposite of awake 0 2 0 0 4 0.9295 6 4.0 2.4 1.6 verbosity 0.1802624572722177

rest ANT busy BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,TIME\_1/5,CULTURE\_1/5,EVENT\_2/5 rest can be used as the opposite of busy 0 0 0 1 4 0.96725 5 4.8 0.2 4.6 verbosity 0.16832913960528972

rest ANT wake EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_5/5 rest can be used as the opposite of wake 0 0 0 2 3 0.918733333334 5 4.6 0.3 4.3 verbosity 0.01010845347428868

rest ANT work EVENT\_5/5 rest can be used as the opposite of work 0 0 0 1 4 0.9642 5 4.8 0.2 4.6 verbosity 1.501414303838342

rest SYN lie EMOTION\_1/5,EVENT\_4/5 rest can be used with the same meaning of lie 0 0 0 1 4 0.964858333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

rest SYN relax EMOTION\_1/5,EVENT\_5/5 rest can be used with the same meaning of relax 0 0 0 0 5 0.9039 5 5.0 0.0 5.0 wiktionary/en/en 1.0

rest SYN sleep EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_5/5 rest can be used with the same meaning of sleep 0 0 0 4 22 0.914573188405 26 4.84615384615 0.135384615385 4.71076923077 wiktionary/en/en 1.0

rest RANDOM even n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent ANT ocean OBJECT\_3/5,NATURE\_3/5,RELATIONSHIP\_2/5,SPACE\_4/5 continent can be used as the opposite of ocean 0 0 0 0 5 0.919175 5 5.0 0.0 5.0 verbosity 0.42135419639803634

continent RANDOM ball n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent RANDOM correct n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent RANDOM energy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent RANDOM human n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent RANDOM organism n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent RANDOM prosecution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent RANDOM rough n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent RANDOM square n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

continent RANDOM statue n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happiness ANT sadness EMOTION\_3/5,EVENT\_1/5,EMTION\_2/5,NATURE\_1/5 happiness can be used as the opposite of sadness 0 0 0 0 5 0.9354 5 5.0 0.0 5.0 wordnet/4.0 score

happiness ANT unhappiness EMOTION\_3/5,RELATIONSHIP\_1/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 happiness can be used as the opposite of unhappiness 0 0 0 0 5 0.969708333333 5 5.0 0.0 5.0 wiktionary/de/en 1.0

happiness HYPER emotion EMOTION\_3/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5,EMTION\_2/5 happiness is a kind of emotion 0 0 0 0 5 0.9371 5 5.0 0.0 5.0 conceptnet/4/en 3.4594316186372978

happiness HYPER mood EMOTION\_3/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5,EMTION\_2/5 happiness is a kind of mood 0 0 0 1 4 0.949458333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

happiness SYN joy EMOTION\_3/5,EMTION\_2/5 happiness can be used with the same meaning of joy 0 0 0 0 5 0.872958333334 5 5.0 0.0 5.0 wiktionary/en/en 1.0

happiness RANDOM courage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happiness RANDOM cut n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happiness RANDOM information n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happiness RANDOM order n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happiness RANDOM score n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cut HYPER division EMOTION\_1/5,CULTURE\_1/5,EVENT\_4/5,SPACE\_1/5 cut is a kind of division 0 0 0 2 3 0.947583333333 5 4.6 0.3 4.3 wordnet/4.0 score

cut ANT join OBJECT\_1/5,EVENT\_4/5 cut can be used as the opposite of join 0 0 0 2 3 0.952275 5 4.6 0.3 4.3 verbosity 0.1916005493721649

cut ANT stitch OBJECT\_1/5,EVENT\_3/5,RELATIONSHIP\_1/5,SPACE\_1/5 cut can be used as the opposite of stitch 0 0 0 1 4 0.922608333334 5 4.8 0.2 4.6 verbosity 0.010387190893891715

cut RANDOM bread n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cut RANDOM cavity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cut RANDOM cold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cut RANDOM loose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cut RANDOM outside n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cut RANDOM pan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cut RANDOM plate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rose HYPER color COLOR\_3/3,RELATIONSHIP\_1/3,NATURE\_1/3 Rose is a kind of color 0 0 0 2 3 0.89008 5 4.6 0.3 4.3 dbpedia/en 0.5849625007211562

rose HYPER plant NATURE\_5/5 rose is a kind of plant 0 0 0 0 5 0.897325 5 5.0 0.0 5.0 dbpedia/en 2.4594316186372973

rose RANDOM active n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rose RANDOM bend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rose RANDOM cave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rose RANDOM chill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rose RANDOM illness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rose RANDOM tan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

royal ANT common CULTURE\_1/5,EVENT\_1/5,RELATIONSHIP\_4/5,CULTURE\_1/5 royal can be used as the opposite of common 1 0 0 1 3 0.9274 5 4.0 3.0 1.0 verbosity 0.10768786931437331

royal RANDOM demand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

royal RANDOM everyone n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

royal RANDOM finish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

royal RANDOM practice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

royal RANDOM sun n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

silver HYPER element OBJECT\_3/5,COLOR\_1/5,BUSINESS\_1/5,NATURE\_3/5 silver is a kind of element 0 0 0 0 5 0.91645 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

silver HYPER metal RELATIONSHIP\_1/5,NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_4/5,CULTURE\_1/5,EVENT\_1/5 silver is a kind of metal 0 0 0 0 5 0.954483333333 5 5.0 0.0 5.0 globalmind 4.754887502163469

silver SYN silverware OBJECT\_5/5,FOOD\_1/5,CULTURE\_1/5,NATURE\_1/5 silver can be used with the same meaning of silverware 0 0 0 1 4 0.944083333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

silver RANDOM attach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

silver RANDOM lower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

silver RANDOM fall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

silver RANDOM flight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

silver RANDOM sunset n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

silver RANDOM idea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

silver RANDOM movement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wall HYPER protect EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_5/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 wall is a kind of protect 0 0 1 2 3 0.915866666667 6 4.33333333333 0.666666666667 3.66666666666 wordnet/4.0 score

wall PART\_OF build OBJECT\_3/5,COMMUNICATION\_1/5,SPACE\_2/5 wall is part of build 0 0 0 0 5 0.9619 5 5.0 0.0 5.0 wordnet/3.0 1.5849625007211563

wall PART\_OF hallway OBJECT\_2/5,SPACE\_4/5 wall is part of hallway 0 0 0 2 4 0.916616666666 6 4.66666666667 0.266666666667 4.4 wordnet/4.0 score

wall PART\_OF room OBJECT\_4/5,SPACE\_4/5 wall is part of room 0 0 0 0 5 0.91825 5 5.0 0.0 5.0 wordnet/4.0 score

wall RANDOM idle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wall RANDOM culture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wall RANDOM date n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wall RANDOM deceive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wall RANDOM fall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wall RANDOM i n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

combine HYPER union RELATIONSHIP\_3/5,COMMUNICATION\_2/5,OBJECT\_1/5,EMTIONRELATIONSHIP\_1/5,TIME\_1/5,EVENT\_3/5 combine is a kind of union 0 0 0 1 4 0.919541666666 5 4.8 0.2 4.6 wordnet/3.0 1.5849625007211563

combine ANT divide EMOTION\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,COMMUNICATION\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_4/5 combine can be used as the opposite of divide 0 0 0 1 4 0.975783333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

combine ANT separate EVENT\_3/5,RELATIONSHIP\_4/5 combine can be used as the opposite of separate 0 0 0 0 5 0.9619 5 5.0 0.0 5.0 wiktionary/en/en 1.0

combine RANDOM art n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

combine RANDOM bias n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

combine RANDOM bill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

combine RANDOM create n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

combine RANDOM displease n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

combine RANDOM fact n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

combine RANDOM map n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

east ANT west COMMUNICATION\_1/5,RELATIONSHIP\_3/5,SPACE\_3/5 east can be used as the opposite of west 0 0 0 0 5 0.974516666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

east HYPER direction RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,SPACE\_4/5,CULTURE\_1/5 east is a kind of direction 0 0 0 0 5 0.925483333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

east RANDOM comb n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

east RANDOM fight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

east RANDOM harvest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

east RANDOM jar n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

east RANDOM kid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

east RANDOM open n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

east RANDOM restrict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

east RANDOM story n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smart ANT dull EMOTION\_1/5,RELATIONSHIP\_1/5,CULTURE\_1/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 smart can be used as the opposite of dull 0 0 0 1 4 0.910775 5 4.8 0.2 4.6 wiktionary/en/en 1.0

smart ANT stupid EMOTION\_2/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_2/5,EVENT\_1/5 smart can be used as the opposite of stupid 0 0 0 0 5 0.93006 5 5.0 0.0 5.0 wordnet/4.0 score

smart RANDOM birth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smart RANDOM calm n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smart RANDOM closet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smart RANDOM hobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smart RANDOM sunshine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smart RANDOM novel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smart RANDOM prosecution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smart RANDOM reverse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

swim ANT drown EMOTION\_1/5,EVENT\_4/5,RELATIONSHIP\_1/5,NATURE\_1/5 swim can be used as the opposite of drown 0 1 0 0 5 0.9438 6 4.5 1.5 3.0 verbosity 0.9470568798646627

swim ANT sink EVENT\_5/5 swim can be used as the opposite of sink 1 0 0 1 4 0.901883333333 6 4.16666666667 2.56666666667 1.6 verbosity 0.7193148873445192

swim HYPER action CULTURE\_1/5,EVENT\_4/5 swim is a kind of action 0 0 0 0 5 0.89586 5 5.0 0.0 5.0 umbel 1.0

swim HYPER sport RELATIONSHIP\_1/5,NATURE\_1/5,CULTURE\_2/5,CULTURE\_1/5,EVENT\_2/5 swim is a kind of sport 0 0 0 0 5 0.90422 5 5.0 0.0 5.0 conceptnet/4/en 3.9068905956085187

swim RANDOM book n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

swim RANDOM crystal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

swim RANDOM design n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

swim RANDOM fireplace n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

swim RANDOM happy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

swim RANDOM politician n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

read HYPER learn NATURE\_1/5,COMMUNICATION\_3/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_4/5 read is a kind of learn 0 0 0 2 3 0.961975 5 4.6 0.3 4.3 conceptnet/4/en 2.321928094887362

read HYPER study NATURE\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,CULTURE\_2/5,EVENT\_3/5 read is a kind of study 0 0 0 1 4 0.892383333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

read RANDOM friend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

read RANDOM half n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

read RANDOM race n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

read RANDOM separate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

read RANDOM shallow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

read RANDOM short n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

read RANDOM take n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dart HYPER action EVENT\_5/5 dart is a kind of action 0 0 1 1 3 0.91034 5 4.4 0.8 3.6 umbel 1.0

dart HYPER game OBJECT\_2/5,CULTURE\_3/5,EVENT\_1/5 dart is a kind of game 0 0 0 2 3 0.90864 5 4.6 0.3 4.3 umbel 1.0

dart HYPER sport OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5,RELATIONSHIP\_1/5 dart is a kind of sport 0 0 0 2 3 0.97808 5 4.6 0.3 4.3 dbpedia/en 1.3219280948873624

dart RANDOM bind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dart RANDOM clean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dart RANDOM criminal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dart RANDOM flow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dart RANDOM jacket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dart RANDOM problem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dart RANDOM sorrow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dark ANT light EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_3/5,COLOR\_2/5,COMMUNICATION\_2/5,OBJECT\_2/5,FOOD\_1/5,SPACE\_1/5,TIME\_2/5,EVENT\_3/5 dark can be used as the opposite of light 0 0 0 0 5 0.958208333334 5 5.0 0.0 5.0 verbosity 2.2933500664820468

dark ANT pale RELATIONSHIP\_1/5,COLOR\_4/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_1/5 dark can be used as the opposite of pale 0 0 0 0 5 0.96635 5 5.0 0.0 5.0 wiktionary/en/en 1.0

dark SYN darkness COLOR\_3/5,EMOTION\_1/5,EVENT\_1/5,NATURE\_2/5 dark can be used with the same meaning of darkness 0 0 0 1 4 0.904833333334 5 4.8 0.2 4.6 wiktionary/de/en 1.0

dark RANDOM bite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dark RANDOM cell n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dark RANDOM cigarette n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dark RANDOM drug n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dark RANDOM narrow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dark RANDOM plan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dark RANDOM retire n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

test ANT answer COMMUNICATION\_3/5,EVENT\_4/5,RELATIONSHIP\_1/5 test can be used as the opposite of answer 0 0 0 2 3 0.917625 5 4.6 0.3 4.3 verbosity 0.040892430646901054

test SYN challenge EVENT\_5/5,NATURE\_1/5 test can be used with the same meaning of challenge 0 0 0 2 3 0.97095 5 4.6 0.3 4.3 wiktionary/en/en 1.0

test SYN trial EVENT\_5/5 test can be used with the same meaning of trial 0 0 0 1 4 0.911908333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

test RANDOM band n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

test RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

test RANDOM civilization n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

test RANDOM game n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

test RANDOM mate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

test RANDOM pole n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

test RANDOM kite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

game HYPER play EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_2/5,TIME\_1/5,NATURE\_1/5,EVENT\_5/5 game is a kind of play 0 0 0 1 4 0.933141666667 5 4.8 0.2 4.6 wordnet/4.0 score

game SYN sport CULTURE\_2/5,EVENT\_2/5,RELATIONSHIP\_1/5,CULTURE\_1/5 game can be used with the same meaning of sport 0 0 0 2 3 0.975533333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

game HYPER competition EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,COLOR\_1/5,SPACE\_2/5,TIME\_2/5,EVENT\_4/5 game is a kind of competition 0 0 0 1 4 0.944091666667 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

game HYPER meat RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_3/5,CULTURE\_1/5,EVENT\_1/5 game is a kind of meat 0 0 0 2 3 0.904083333334 5 4.6 0.3 4.3 wordnet/4.0 score

game HYPER recreation CULTURE\_5/5 game is a kind of recreation 0 0 0 2 3 0.9028 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

game SYN entertainment COMMUNICATION\_1/5,CULTURE\_2/5,EVENT\_2/5,CULTURE\_1/5 game can be used with the same meaning of entertainment 0 0 0 0 5 0.950691666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

game SYN match RELATIONSHIP\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_2/5 game can be used with the same meaning of match 0 0 0 2 3 0.941 5 4.6 0.3 4.3 wiktionary/en/en 1.0

game RANDOM baggage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

game RANDOM comb n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

game RANDOM cup n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

performance HYPER action CULTURE\_1/5,EVENT\_5/5,RELATIONSHIP\_1/5,COMMUNICATION\_1/5 performance is a kind of action 0 0 0 1 4 0.943141666667 5 4.8 0.2 4.6 wordnet/4.0 score

performance HYPER show EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_4/5 performance is a kind of show 0 0 0 1 4 0.925266666667 5 4.8 0.2 4.6 wordnet/4.0 score

performance RANDOM boat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

performance RANDOM communism n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

performance RANDOM growth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

performance RANDOM seat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

performance RANDOM spit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

performance RANDOM strip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

performance RANDOM text n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

performance RANDOM unusual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

world HYPER place SPACE\_3/3 World is a kind of place 0 0 0 1 4 0.94918 5 4.8 0.2 4.6 dbpedia/en 0.5849625007211562

world PART\_OF universe RELATIONSHIP\_2/5,NATURE\_2/5,OBJECT\_1/5,SPACE\_4/5,EVENT\_1/5 world is part of universe 0 0 0 0 5 0.975783333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

world RANDOM drama n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

world RANDOM flock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

world RANDOM idol n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

world RANDOM lens n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

world RANDOM light n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

world RANDOM support n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

world RANDOM marry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

world RANDOM theory n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shadow HYPER follow RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_2/5,CULTURE\_1/5,EVENT\_3/5 shadow is a kind of follow 1 0 0 1 3 0.964825 5 4.0 3.0 1.0 wordnet/4.0 score

shadow ANT light RELATIONSHIP\_1/5,NATURE\_4/5,COLOR\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_2/5 shadow can be used as the opposite of light 0 0 0 1 4 0.958958333334 5 4.8 0.2 4.6 verbosity 1.0071955014042038

shadow ANT sunlight EMOTION\_1/5,OBJECT\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,NATURE\_4/5,COLOR\_1/5,TIME\_1/5,EVENT\_2/5 shadow can be used as the opposite of sunlight 0 1 0 22 33 0.92406574074 56 4.55357142857 0.360714285714 4.19285714286 verbosity 0.07738543809344793

shadow RANDOM hammer n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shadow RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shadow RANDOM enrage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shadow RANDOM leisure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shadow RANDOM pillow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shadow RANDOM shoe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

shadow RANDOM sick n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trash HYPER waste OBJECT\_4/5,EVENT\_1/5,NATURE\_1/5 trash is a kind of waste 0 0 0 2 3 0.906858333334 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

trash SYN rubbish OBJECT\_5/5,CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5 trash can be used with the same meaning of rubbish 0 0 0 0 5 0.922291666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

trash RANDOM bottle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trash RANDOM grip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trash RANDOM leak n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trash RANDOM log n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trash RANDOM personal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trash RANDOM push n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trash RANDOM quiet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

trash RANDOM rent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gift HYPER present OBJECT\_4/5,EMOTION\_1/5,RELATIONSHIP\_1/5,BUSINESS\_1/5 gift is a kind of present 0 0 0 0 5 0.934275 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

gift RANDOM college n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gift RANDOM ingredient n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gift RANDOM low n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gift RANDOM music n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gift RANDOM restrict n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gift RANDOM soldier n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

gift RANDOM teacher n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spine PART\_OF back OBJECT\_1/5,NATURE\_5/5 spine is part of back 0 0 0 1 4 0.941908333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

spine PART\_OF body NATURE\_5/5 spine is part of body 0 0 0 0 5 0.96965 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

spine PART\_OF book OBJECT\_5/5,COMMUNICATION\_1/5,NATURE\_1/5 spine is part of book 0 0 0 0 5 0.908208333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

spine PART\_OF skeleton OBJECT\_1/5,EVENT\_1/5,SPACE\_1/5,NATURE\_5/5 spine is part of skeleton 0 0 0 0 5 0.936358333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

spine RANDOM retire n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spine RANDOM bring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spine RANDOM cry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spine RANDOM empty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spine RANDOM face n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

spine RANDOM movement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foolish ANT bright EMOTION\_2/5,COMMUNICATION\_1/5,EVENT\_1/5,CULTURE\_2/5 foolish can be used as the opposite of bright 0 0 0 1 4 0.93362 5 4.8 0.2 4.6 wiktionary/en/en 1.0

foolish ANT intelligent EMOTION\_3/5,RELATIONSHIP\_3/5,NATURE\_1/5 foolish can be used as the opposite of intelligent 0 0 0 1 4 0.93362 5 4.8 0.2 4.6 wiktionary/en/en 1.0

foolish ANT smart EMOTION\_5/5,COMMUNICATION\_1/5 foolish can be used as the opposite of smart 0 0 0 2 3 0.94074 5 4.6 0.3 4.3 wiktionary/en/en 1.0

foolish RANDOM bus n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foolish RANDOM chain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foolish RANDOM cord n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foolish RANDOM document n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foolish RANDOM highway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foolish RANDOM join n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

foolish RANDOM light n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft ANT solid OBJECT\_2/5,COMMUNICATION\_2/5,EVENT\_3/5 soft can be used as the opposite of solid 0 0 0 1 5 0.933583333333 6 4.83333333333 0.166666666667 4.66666666666 wiktionary/en/en 1.0

soft RANDOM assemble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft RANDOM collection n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft RANDOM connect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft RANDOM cord n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft RANDOM picture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft RANDOM plan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft RANDOM roof n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft RANDOM text n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

soft RANDOM unusual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heel PART\_OF boot OBJECT\_5/5,RELATIONSHIP\_1/5 heel is part of boot 0 0 0 0 5 0.913758333333 5 5.0 0.0 5.0 wordnet/4.0 score

heel PART\_OF foot OBJECT\_1/5,NATURE\_5/5 heel is part of foot 0 0 0 0 5 0.961866666667 5 5.0 0.0 5.0 globalmind 2.584962500721156

heel PART\_OF human OBJECT\_2/5,RELATIONSHIP\_1/5,NATURE\_5/5 heel is part of human 0 0 0 1 4 0.940375 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

heel PART\_OF shoe EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 heel is part of shoe 0 0 0 0 5 0.948675 5 5.0 0.0 5.0 wordnet/4.0 score

heel PART\_OF sock EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 heel is part of sock 0 0 0 1 4 0.948358333333 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

heel RANDOM climb n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heel RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heel RANDOM face n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heel RANDOM hobby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heel RANDOM hour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crowd ANT desert RELATIONSHIP\_1/5,SPACE\_3/5,NATURE\_1/5,CULTURE\_1/5,EVENT\_3/5 crowd can be used as the opposite of desert 0 0 0 1 4 0.97245 5 4.8 0.2 4.6 verbosity 0.02716750149293282

crowd ANT individual BUSINESS\_1/5,EVENT\_2/5,RELATIONSHIP\_4/5 crowd can be used as the opposite of individual 0 0 0 1 4 0.96445 5 4.8 0.2 4.6 verbosity 0.1583674061783092

crowd ANT nobody EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_1/5,EVENT\_3/5 crowd can be used as the opposite of nobody 0 0 0 2 3 0.91952 5 4.6 0.3 4.3 verbosity 0.0587494123355234

crowd ANT one OBJECT\_3/5,EVENT\_1/5,RELATIONSHIP\_2/5 crowd can be used as the opposite of one 0 0 0 1 4 0.927425 5 4.8 0.2 4.6 verbosity 0.05893985455623296

crowd SYN group RELATIONSHIP\_5/5,CULTURE\_1/5 crowd can be used with the same meaning of group 0 0 0 1 4 0.913516666666 5 4.8 0.2 4.6 wiktionary/en/en 1.0

crowd RANDOM actress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crowd RANDOM cook n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crowd RANDOM ingredient n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crowd RANDOM material n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crowd RANDOM paint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern PART\_OF ship RELATIONSHIP\_1/5,BUSINESS\_1/5,SPACE\_2/5,COMMUNICATION\_1/5,OBJECT\_4/5,NATURE\_1/5 stern is part of ship 0 0 0 1 4 0.924891666667 5 4.8 0.2 4.6 wordnet/4.0 score

stern RANDOM beach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern RANDOM division n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern RANDOM hero n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern RANDOM history n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern RANDOM soldier n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern RANDOM sea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern RANDOM note n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern RANDOM sunlight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stern RANDOM wife n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crown ANT base RELATIONSHIP\_1/5,SPACE\_2/5,COMMUNICATION\_1/5,OBJECT\_3/5,TIME\_1/5,NATURE\_2/5 crown can be used as the opposite of base 0 0 0 1 5 0.956983333334 6 4.83333333333 0.166666666667 4.66666666666 wiktionary/en/en 1.0

crown HYPER hat OBJECT\_5/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5 crown is a kind of hat 0 0 0 1 4 0.9485 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

crown PART\_OF tooth OBJECT\_2/5,CULTURE\_1/5,RELATIONSHIP\_2/5,NATURE\_4/5 crown is part of tooth 0 0 0 1 4 0.974475 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

crown RANDOM book n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crown RANDOM bull n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crown RANDOM darkness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crown RANDOM keyboard n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crown RANDOM lot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crown RANDOM pet n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

crown RANDOM purpose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

phone HYPER machine EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,TIME\_1/5,NATURE\_3/5,EVENT\_1/5 phone is a kind of machine 0 0 0 2 3 0.9278 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

phone SYN call OBJECT\_2/5,COMMUNICATION\_3/5,EVENT\_2/5,RELATIONSHIP\_1/5 phone can be used with the same meaning of call 0 0 0 1 4 0.909866666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

phone SYN ring OBJECT\_3/5,EVENT\_3/5,RELATIONSHIP\_1/5 phone can be used with the same meaning of ring 0 0 0 1 4 0.961325 5 4.8 0.2 4.6 wiktionary/en/en 1.0

phone SYN telephone EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 phone can be used with the same meaning of telephone 0 0 0 0 5 0.907075 5 5.0 0.0 5.0 wiktionary/en/en 1.0

phone RANDOM bike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

phone RANDOM bridge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

phone RANDOM disk n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

phone RANDOM exchange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

phone RANDOM fear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

phone RANDOM flat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hair PART\_OF dog EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 hair is part of dog 0 0 0 1 4 0.9595 5 4.8 0.2 4.6 globalmind 2.0

hair PART\_OF head OBJECT\_1/5,EVENT\_1/5,NATURE\_5/5 hair is part of head 0 0 0 1 4 0.940475 5 4.8 0.2 4.6 globalmind 2.584962500721156

hair PART\_OF human OBJECT\_1/3,NATURE\_3/3 Hair is part of human 0 0 0 0 5 0.95324 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

hair RANDOM big n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hair RANDOM coin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hair RANDOM consume n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hair RANDOM event n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hair RANDOM family n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hair RANDOM fruit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hair RANDOM math n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

escape ANT catch EVENT\_5/5 escape can be used as the opposite of catch 0 0 0 2 3 0.964433333334 5 4.6 0.3 4.3 verbosity 0.06558540814467789

escape ANT jail CULTURE\_1/5,EVENT\_4/5,RELATIONSHIP\_1/5,SPACE\_2/5 escape can be used as the opposite of jail 0 0 0 0 5 0.973866666667 5 5.0 0.0 5.0 verbosity 0.008200013832136128

escape RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

escape RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

escape RANDOM knowledge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

escape RANDOM part n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

escape RANDOM pillow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

escape RANDOM pipe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

escape RANDOM refuse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

escape RANDOM smile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slice HYPER part OBJECT\_4/6,EVENT\_2/6,RELATIONSHIP\_2/6 slice is a kind of part 0 0 0 2 3 0.966466666667 5 4.6 0.3 4.3 wordnet/4.0 score

slice PART\_OF orange OBJECT\_2/5,FOOD\_5/5,EVENT\_1/5 slice is part of orange 0 0 0 2 3 0.93885 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

slice RANDOM cavity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slice RANDOM dictionary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slice RANDOM ordinary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slice RANDOM relax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slice RANDOM strike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slice RANDOM thin n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slice RANDOM tower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

slice RANDOM war n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

religion ANT science NATURE\_1/5,COMMUNICATION\_1/5,TIME\_1/5,CULTURE\_3/5,CULTURE\_1/5,EVENT\_1/5 religion can be used as the opposite of science 0 0 1 2 3 0.903783333333 6 4.33333333333 0.666666666667 3.66666666666 verbosity 0.16513050194827714

religion PART\_OF culture CULTURE\_4/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5,CULTURE\_1/5 religion is part of culture 0 0 0 1 4 0.953658333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

religion RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

religion RANDOM flight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

religion RANDOM flow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

religion RANDOM gown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

religion RANDOM night n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

religion RANDOM sleep n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

religion RANDOM spouse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

religion RANDOM street n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog HYPER weather OBJECT\_1/5,EVENT\_2/5,RELATIONSHIP\_1/5,NATURE\_4/5 fog is a kind of weather 0 0 0 0 5 0.937666666666 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

fog RANDOM desert n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog RANDOM doorway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog RANDOM fight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog RANDOM horn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog RANDOM jump n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog RANDOM paint n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog RANDOM phrase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog RANDOM relax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fog RANDOM stop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

unhappiness ANT happy EMOTION\_4/5,NATURE\_1/5 unhappiness can be used as the opposite of happy 0 0 0 2 3 0.9625 5 4.6 0.3 4.3 verbosity 0.04386940757202236

unhappiness SYN sadness EMOTION\_3/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5,EMTION\_2/5 unhappiness can be used with the same meaning of sadness 0 0 0 0 5 0.953658333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

unhappiness RANDOM basement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

unhappiness RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

unhappiness RANDOM cut n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

unhappiness RANDOM gas n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

unhappiness RANDOM hour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

unhappiness RANDOM mountain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

unhappiness RANDOM record n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

unhappiness RANDOM ram n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord PART\_OF telephone OBJECT\_5/5,COMMUNICATION\_1/5 cord is part of telephone 0 0 0 1 4 0.949525 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

cord RANDOM america n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord RANDOM challenge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord RANDOM effect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord RANDOM grape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord RANDOM help n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord RANDOM offspring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord RANDOM tour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord RANDOM violent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cord RANDOM war n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

run ANT walk EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_5/5 run can be used as the opposite of walk 0 0 0 2 3 0.938225 5 4.6 0.3 4.3 verbosity 2.6003020977746982

run ANT stand EVENT\_5/5 run can be used as the opposite of stand 0 0 0 1 4 0.975533333334 5 4.8 0.2 4.6 verbosity 0.24035045986819872

run HYPER exercise CULTURE\_2/5,EVENT\_3/5,RELATIONSHIP\_1/5 run is a kind of exercise 0 0 0 0 5 0.954541666667 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

run HYPER sport OBJECT\_1/5,CULTURE\_4/5,EVENT\_3/5 run is a kind of sport 0 0 0 1 4 0.958283333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

run RANDOM alcohol n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

run RANDOM dish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

run RANDOM grow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

run RANDOM male n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

run RANDOM meat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

run RANDOM same n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

power SYN control BUSINESS\_1/5,RELATIONSHIP\_3/5,NATURE\_1/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_2/5,EVENT\_1/5,EMTION\_1/5 power can be used with the same meaning of control 0 0 0 0 5 0.926708333334 5 5.0 0.0 5.0 wiktionary/en/en 1.0

power SYN energy OBJECT\_1/5,COMMUNICATION\_1/5,RELATIONSHIP\_2/5,NATURE\_4/5 power can be used with the same meaning of energy 0 0 0 1 4 0.893558333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

power RANDOM cave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

power RANDOM complete n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

power RANDOM decorate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

power RANDOM plain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

power RANDOM punishment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

power RANDOM spit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

power RANDOM spring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

power RANDOM tool n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stem PART\_OF apple RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_3/5,OBJECT\_1/5,NATURE\_5/5 stem is part of apple 0 0 0 2 3 0.914741666667 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

stem PART\_OF flower OBJECT\_4/5,RELATIONSHIP\_1/5,NATURE\_4/5 stem is part of flower 0 0 0 0 5 0.936033333334 5 5.0 0.0 5.0 conceptnet/4/en 2.0

stem PART\_OF plant EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 stem is part of plant 0 0 0 0 5 0.909866666667 5 5.0 0.0 5.0 globalmind 3.0

stem RANDOM back n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stem RANDOM child n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stem RANDOM crowd n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stem RANDOM girl n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stem RANDOM hero n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stem RANDOM ship n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

stem RANDOM sound n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

throw ANT catch EVENT\_5/5,NATURE\_1/5 throw can be used as the opposite of catch 0 0 0 1 4 0.922491666666 5 4.8 0.2 4.6 verbosity 0.09523378593334798

throw HYPER movement EVENT\_5/5,RELATIONSHIP\_1/5 throw is a kind of movement 0 0 0 2 3 0.946391666666 5 4.6 0.3 4.3 wordnet/4.0 score

throw SYN toss OBJECT\_1/5,EVENT\_5/5,NATURE\_1/5 throw can be used with the same meaning of toss 0 0 0 1 4 0.954241666667 5 4.8 0.2 4.6 wiktionary/en/en 1.0

throw RANDOM object n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

throw RANDOM agreement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

throw RANDOM assemble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

throw RANDOM slow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

throw RANDOM cow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

throw RANDOM look n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

throw RANDOM fat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread PART\_OF step OBJECT\_2/5,COMMUNICATION\_1/5,EVENT\_4/5,RELATIONSHIP\_2/5 tread is part of step 0 0 0 2 3 0.972466666667 5 4.6 0.3 4.3 wordnet/4.0 score

tread RANDOM buy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread RANDOM education n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread RANDOM fashion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread RANDOM mood n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread RANDOM quality n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread RANDOM row n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread RANDOM stage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread RANDOM state n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tread RANDOM sun n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

faith SYN trust EMOTION\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 faith can be used with the same meaning of trust 0 0 0 1 4 0.911425 5 4.8 0.2 4.6 wiktionary/en/en 1.0

faith SYN belief EMOTION\_2/5,NATURE\_1/5,CULTURE\_2/5,EVENT\_2/5,EMTION\_1/5 faith can be used with the same meaning of belief 0 0 0 0 5 0.933416666667 5 5.0 0.0 5.0 wiktionary/en/en 1.0

faith SYN religion EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,CULTURE\_2/5,EVENT\_2/5 faith can be used with the same meaning of religion 0 0 0 0 5 0.95085 5 5.0 0.0 5.0 umbel 1.5849625007211563

faith RANDOM bathroom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

faith RANDOM challenge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

faith RANDOM commerce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

faith RANDOM corn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

faith RANDOM globe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

faith RANDOM link n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

faith RANDOM solution n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

column PART\_OF newspaper BUSINESS\_1/60,RELATIONSHIP\_3/60,NATURE\_2/60,COMMUNICATION\_26/60,OBJECT\_40/60,CULTURE\_4/60,SPACE\_4/60,CULTURE\_9/60,EVENT\_1/60 column is part of newspaper 0 0 0 1 4 0.957725 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

column ANT row EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 column can be used as the opposite of row 0 0 0 2 3 0.965733333334 5 4.6 0.3 4.3 verbosity 2.2213812788662017

column HYPER shape EMOTION\_1/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 column is a kind of shape 0 0 0 1 4 0.910083333333 5 4.8 0.2 4.6 wordnet/4.0 score

column PART\_OF temple EMOTION\_1/5,RELATIONSHIP\_1/5,BUSINESS\_1/5,SPACE\_3/5,COLOR\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,NATURE\_1/5,EVENT\_2/5 column is part of temple 0 0 0 2 3 0.973866666667 5 4.6 0.3 4.3 wordnet/4.0 score

column RANDOM boat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

column RANDOM bread n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

column RANDOM chicken n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

column RANDOM chill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

column RANDOM contaminate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

column RANDOM experience n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freedom HYPER value EMOTION\_2/5,OBJECT\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,CULTURE\_3/5,CULTURE\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_3/5,EMTION\_1/5 freedom is a kind of value 0 0 0 2 3 0.969108333333 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

freedom ANT jail COMMUNICATION\_1/5,EVENT\_2/5,RELATIONSHIP\_2/5,SPACE\_1/5 freedom can be used as the opposite of jail 0 0 0 0 5 0.973866666667 5 5.0 0.0 5.0 verbosity 0.05369061574495559

freedom SYN liberty CULTURE\_2/5,EVENT\_3/5 freedom can be used with the same meaning of liberty 0 0 0 0 5 0.928958333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

freedom RANDOM deceive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freedom RANDOM entertainment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freedom RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freedom RANDOM generous n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freedom RANDOM gent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freedom RANDOM lover n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

freedom RANDOM report n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

union ANT split EMOTION\_1/5,BUSINESS\_1/5,RELATIONSHIP\_4/5,COMMUNICATION\_2/5,OBJECT\_3/5,TIME\_1/5,CULTURE\_1/5,CULTURE\_2/5,EVENT\_3/5 union can be used as the opposite of split 0 0 0 1 4 0.936358333333 5 4.8 0.2 4.6 verbosity 0.009351830730502367

union SYN marriage EMOTION\_1/5,CULTURE\_1/5,EVENT\_3/5,RELATIONSHIP\_4/5 union can be used with the same meaning of marriage 0 0 0 0 5 0.9386 5 5.0 0.0 5.0 umbel 1.5849625007211563

union RANDOM bounce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

union RANDOM choose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

union RANDOM erect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

union RANDOM improve n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

union RANDOM master n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

union RANDOM record n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

union RANDOM spirit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

union RANDOM stage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dinner HYPER meal RELATIONSHIP\_1/5,FOOD\_3/5,OBJECT\_1/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_1/5 dinner is a kind of meal 0 0 0 0 5 0.953533333333 5 5.0 0.0 5.0 globalmind 4.0

dinner HYPER party COMMUNICATION\_1/5,CULTURE\_1/5,EVENT\_5/5,SPACE\_1/5 dinner is a kind of party 0 0 0 2 3 0.953741666666 5 4.6 0.3 4.3 wordnet/4.0 score

dinner RANDOM antique n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dinner RANDOM bottle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dinner RANDOM clergyman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dinner RANDOM extinguish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dinner RANDOM pop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dinner RANDOM recreation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dinner RANDOM rough n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dinner RANDOM shop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wolf HYPER animal CULTURE\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 wolf is a kind of animal 0 0 0 0 5 0.962666666667 5 5.0 0.0 5.0 conceptnet/4/en 2.0

wolf HYPER mammal CULTURE\_1/5,RELATIONSHIP\_2/5,NATURE\_5/5 wolf is a kind of mammal 0 0 0 0 5 0.92105 5 5.0 0.0 5.0 globalmind 2.807354922057604

wolf RANDOM arrive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wolf RANDOM clock n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wolf RANDOM father n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wolf RANDOM ingredient n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wolf RANDOM law n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wolf RANDOM question n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wolf RANDOM street n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wolf RANDOM exit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tongue HYPER muscle EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 tongue is a kind of muscle 0 0 0 2 3 0.905183333333 5 4.6 0.3 4.3 conceptnet/4/en 2.0

tongue PART\_OF mouth OBJECT\_3/5,NATURE\_5/5 tongue is part of mouth 0 0 0 0 5 0.9647 5 5.0 0.0 5.0 conceptnet/4/en 2.0

tongue RANDOM attach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tongue RANDOM boat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tongue RANDOM brush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tongue RANDOM cash n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tongue RANDOM construct n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tongue RANDOM enjoy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tongue RANDOM happy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tongue RANDOM poem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

garbage SYN refuse OBJECT\_5/5,CULTURE\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5 garbage can be used with the same meaning of refuse 0 0 0 1 4 0.912633333334 5 4.8 0.2 4.6 wiktionary/de/en 1.0

garbage ANT valuable OBJECT\_4/5,CULTURE\_1/5 garbage can be used as the opposite of valuable 0 0 0 2 3 0.9381 5 4.6 0.3 4.3 wiktionary/en/en 1.0

garbage SYN rubbish OBJECT\_5/5,SPACE\_1/5,TIME\_1/5 garbage can be used with the same meaning of rubbish 0 0 0 1 4 0.943541666666 5 4.8 0.2 4.6 wiktionary/de/en 1.0

garbage SYN trash EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_2/5,TIME\_1/5,EVENT\_1/5 garbage can be used with the same meaning of trash 0 0 0 0 5 0.915183333333 5 5.0 0.0 5.0 wiktionary/de/en 1.0

garbage SYN waste EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 garbage can be used with the same meaning of waste 0 0 0 0 5 0.983416666666 5 5.0 0.0 5.0 wiktionary/de/en 1.0

garbage RANDOM birth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

garbage RANDOM call n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

garbage RANDOM fancy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

garbage RANDOM lace n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

garbage RANDOM mouth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

son ANT parent EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_5/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 son can be used as the opposite of parent 0 0 0 2 3 0.965866666666 5 4.6 0.3 4.3 wiktionary/en/en 1.0

son HYPER child NATURE\_2/5,RELATIONSHIP\_3/5,TIME\_1/5 son is a kind of child 0 0 0 2 3 0.917808333334 5 4.6 0.3 4.3 wiktionary/en/en 1.0

son HYPER person RELATIONSHIP\_3/5,NATURE\_4/5 son is a kind of person 0 0 0 0 5 0.975783333333 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

son PART\_OF family COMMUNICATION\_1/5,NATURE\_1/5,RELATIONSHIP\_5/5,TIME\_1/5 son is part of family 0 0 0 0 5 0.955233333333 5 5.0 0.0 5.0 globalmind 4.0

son RANDOM couch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

son RANDOM couple n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

son RANDOM frame n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

son RANDOM sport n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

son RANDOM hot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

son RANDOM mine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

down ANT up COMMUNICATION\_1/5,EVENT\_3/5,RELATIONSHIP\_2/5,SPACE\_3/5 down can be used as the opposite of up 0 0 0 0 5 0.980366666666 5 5.0 0.0 5.0 wordnet/3.0 1.5849625007211563

down HYPER direction RELATIONSHIP\_3/22,NATURE\_2/22,COMMUNICATION\_1/22,OBJECT\_2/22,SPACE\_6/22,CULTURE\_1/22,EVENT\_14/22 down is a kind of direction 0 0 0 0 5 0.958566666667 5 5.0 0.0 5.0 conceptnet/4/en 2.321928094887362

down RANDOM build n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

down RANDOM bush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

down RANDOM dish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

down RANDOM eat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

down RANDOM fortune n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

down RANDOM hand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

down RANDOM ideology n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

down RANDOM law n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

female ANT male RELATIONSHIP\_4/5,NATURE\_2/5 female can be used as the opposite of male 0 0 0 0 5 0.9614 5 5.0 0.0 5.0 wiktionary/de/en 1.0

female HYPER human EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,NATURE\_5/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 female is a kind of human 0 0 0 0 5 0.928166666667 5 5.0 0.0 5.0 globalmind 2.0

female HYPER person RELATIONSHIP\_1/5,NATURE\_5/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5 female is a kind of person 0 0 0 1 4 0.89484 5 4.8 0.2 4.6 wordnet/4.0 score

female HYPER sex EMOTION\_1/5,OBJECT\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,NATURE\_5/5,CULTURE\_1/5,TIME\_1/5,COLOR\_1/5,EVENT\_2/5 female is a kind of sex 0 0 0 1 4 0.94056 5 4.8 0.2 4.6 umbel 1.0

female SYN girl OBJECT\_1/5,TIME\_1/5,RELATIONSHIP\_3/5,NATURE\_4/5 female can be used with the same meaning of girl 0 0 0 0 5 0.961233333333 5 5.0 0.0 5.0 wiktionary/en/en 1.0

female SYN woman RELATIONSHIP\_5/5,NATURE\_1/5 female can be used with the same meaning of woman 0 0 0 0 5 0.912391666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

female RANDOM basement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

female RANDOM drown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

female RANDOM experiment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

female RANDOM filthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric PART\_OF sofa OBJECT\_5/5,SPACE\_1/5,NATURE\_1/5 fabric is part of sofa 0 0 0 1 4 0.916091666666 5 4.8 0.2 4.6 conceptnet/4/en 2.321928094887362

fabric RANDOM attic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric RANDOM change n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric RANDOM fortune n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric RANDOM future n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric RANDOM i n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric RANDOM loose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric RANDOM make n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric RANDOM mood n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fabric RANDOM present n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support HYPER aid EMOTION\_1/5,RELATIONSHIP\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5 support is a kind of aid 0 0 0 0 5 0.973583333334 5 5.0 0.0 5.0 wordnet/4.0 score

support RANDOM win n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support RANDOM fragile n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support RANDOM hand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support RANDOM window n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support RANDOM plan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support RANDOM ice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support RANDOM sadness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

support RANDOM unsettle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fish HYPER animal EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 fish is a kind of animal 0 0 0 1 4 0.96585 5 4.8 0.2 4.6 globalmind 3.9068905956085187

fish HYPER food EMOTION\_1/5,OBJECT\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_4/5,COMMUNICATION\_1/5,NATURE\_2/5,COLOR\_1/5,TIME\_1/5,EVENT\_1/5 fish is a kind of food 0 0 0 1 4 0.963158333333 5 4.8 0.2 4.6 wordnet/4.0 score

fish RANDOM committee n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fish RANDOM confuse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fish RANDOM cry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fish RANDOM highway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fish RANDOM leak n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fish RANDOM link n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fish RANDOM peach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fish RANDOM same n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happy ANT sad EMOTION\_5/5 happy can be used as the opposite of sad 0 0 0 0 5 0.9383 5 5.0 0.0 5.0 verbosity 1.9874991450950898

happy ANT unhappy EMOTION\_5/5,CULTURE\_2/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_1/5,EVENT\_1/5 happy can be used as the opposite of unhappy 0 0 0 0 5 0.9274 5 5.0 0.0 5.0 wordnet/4.0 score

happy ANT unpleasant EMOTION\_5/5,RELATIONSHIP\_1/5 happy can be used as the opposite of unpleasant 0 1 0 1 3 0.9434 5 4.2 1.7 2.5 wiktionary/en/en 1.0

happy RANDOM act n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happy RANDOM bike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happy RANDOM bush n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happy RANDOM cat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happy RANDOM element n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happy RANDOM integrity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

happy RANDOM material n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fork ANT knife OBJECT\_5/5,NATURE\_1/5 fork can be used as the opposite of knife 2 5 8 80 127 0.954549979363 222 4.46396396396 0.566568831275 3.89739513269 verbosity 1.0874967866166516

fork HYPER silverware OBJECT\_5/5 fork is a kind of silverware 0 0 0 0 5 0.970566666667 5 5.0 0.0 5.0 umbel 1.0

fork RANDOM box n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fork RANDOM fabric n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fork RANDOM flower n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fork RANDOM mine n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fork RANDOM sea n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fork RANDOM tail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fork RANDOM waterfall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fork RANDOM worker n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

head ANT foot EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 head can be used as the opposite of foot 0 0 0 2 3 0.954375 5 4.6 0.3 4.3 verbosity 1.44503471642368

head ANT rear EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_4/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 head can be used as the opposite of rear 1 0 0 1 3 0.949191666666 5 4.0 3.0 1.0 wordnet/4.0 score

head ANT tail OBJECT\_2/5,TIME\_1/5,NATURE\_3/5 head can be used as the opposite of tail 0 0 0 1 4 0.981233333333 5 4.8 0.2 4.6 verbosity 0.6210027379680856

head ANT toe EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 head can be used as the opposite of toe 0 0 0 1 4 0.900991666666 5 4.8 0.2 4.6 verbosity 0.3600622201598428

head HYPER leader BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,COMMUNICATION\_1/5,CULTURE\_1/5 head is a kind of leader 0 0 0 1 4 0.885525 5 4.8 0.2 4.6 wordnet/4.0 score

head HYPER top NATURE\_2/5,COMMUNICATION\_1/5,OBJECT\_5/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5 head is a kind of top 0 0 0 2 3 0.936366666667 5 4.6 0.3 4.3 wordnet/4.0 score

head PART\_OF animal OBJECT\_3/5,RELATIONSHIP\_2/5,NATURE\_5/5 head is part of animal 0 0 0 1 4 0.892458333333 5 4.8 0.2 4.6 conceptnet/4/en 3.0

head PART\_OF body NATURE\_5/5 head is part of body 0 0 0 0 5 0.975533333334 5 5.0 0.0 5.0 globalmind 3.700439718141092

head PART\_OF bolt OBJECT\_5/5,RELATIONSHIP\_1/5 head is part of bolt 0 0 0 1 4 0.98165 5 4.8 0.2 4.6 wordnet/4.0 score

head PART\_OF coin OBJECT\_5/5,CULTURE\_1/5,NATURE\_1/5 head is part of coin 0 0 0 2 3 0.966941666667 5 4.6 0.3 4.3 wordnet/4.0 score

head PART\_OF hammer OBJECT\_5/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5 head is part of hammer 0 0 0 1 4 0.932366666667 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

head PART\_OF human NATURE\_5/5 head is part of human 0 0 0 0 5 0.9847 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

head PART\_OF nail OBJECT\_7/7,RELATIONSHIP\_1/7,NATURE\_1/7 head is part of nail 0 0 0 0 5 0.986216666666 5 5.0 0.0 5.0 wordnet/4.0 score

head PART\_OF penis OBJECT\_1/5,RELATIONSHIP\_2/5,NATURE\_5/5 head is part of penis 0 0 0 1 4 0.982358333333 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

head PART\_OF person OBJECT\_2/5,EMOTION\_1/5,RELATIONSHIP\_1/5,NATURE\_4/5 head is part of person 0 0 0 0 5 0.97235 5 5.0 0.0 5.0 conceptnet/4/en 2.0

head PART\_OF pin OBJECT\_5/5,RELATIONSHIP\_1/5,NATURE\_1/5 head is part of pin 0 0 0 2 3 0.927525 5 4.6 0.3 4.3 wordnet/4.0 score

head PART\_OF screw OBJECT\_5/5,NATURE\_2/5 head is part of screw 0 0 0 2 3 0.908866666666 5 4.6 0.3 4.3 wordnet/4.0 score

head SYN brain RELATIONSHIP\_1/5,NATURE\_4/5,COMMUNICATION\_1/5,OBJECT\_3/5,EVENT\_1/5 head can be used with the same meaning of brain 1 0 3 45 68 0.905072860361 117 4.52991452991 0.406424992632 4.12348953728 wiktionary/de/en 1.0

head SYN mind EMOTION\_1/5,NATURE\_3/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_1/5 head can be used with the same meaning of mind 0 1 0 1 3 0.935075 5 4.2 1.7 2.5 wiktionary/de/en 1.0

complete SYN finish EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_4/5 complete can be used with the same meaning of finish 0 0 0 1 4 0.952233333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

complete RANDOM beam n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complete RANDOM boot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complete RANDOM connect n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complete RANDOM honey n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complete RANDOM humble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complete RANDOM i n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complete RANDOM piece n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complete RANDOM play n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

complete RANDOM sport n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

form HYPER make RELATIONSHIP\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,TIME\_1/5,EVENT\_4/5 form is a kind of make 0 0 0 1 4 0.921658333334 5 4.8 0.2 4.6 wordnet/4.0 score

form SYN shape RELATIONSHIP\_1/5,NATURE\_1/5,OBJECT\_2/5,CULTURE\_1/5,EVENT\_3/5 form can be used with the same meaning of shape 0 0 0 0 5 0.938033333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

form RANDOM cigarette n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

form RANDOM dinner n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

form RANDOM friend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

form RANDOM health n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

form RANDOM house n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

form RANDOM mood n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

form RANDOM pen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

form RANDOM pitch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heat ANT freeze OBJECT\_1/5,EVENT\_3/5,NATURE\_3/5 heat can be used as the opposite of freeze 0 0 0 0 5 0.973 5 5.0 0.0 5.0 verbosity 0.013164459198448008

heat ANT chill OBJECT\_2/5,EVENT\_3/5,RELATIONSHIP\_2/5,NATURE\_3/5 heat can be used as the opposite of chill 1 0 0 12 80 0.965491964285 93 4.82795698925 0.274427302478 4.55352968677 verbosity 0.12928301694496647

heat HYPER energy COMMUNICATION\_1/5,EVENT\_1/5,RELATIONSHIP\_2/5,NATURE\_3/5 heat is a kind of energy 0 0 0 2 3 0.92655 5 4.6 0.3 4.3 conceptnet/4/en 3.1699250014423126

heat RANDOM attic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heat RANDOM complex n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heat RANDOM far n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heat RANDOM juice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heat RANDOM pipe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heat RANDOM satisfaction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

heat RANDOM see n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear ANT speak COMMUNICATION\_4/5,EVENT\_1/5 hear can be used as the opposite of speak 0 0 0 2 3 0.939575 5 4.6 0.3 4.3 verbosity 0.03474394932473419

hear RANDOM band n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear RANDOM bold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear RANDOM cavity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear RANDOM cultivate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear RANDOM donkey n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear RANDOM entertainment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear RANDOM eye n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear RANDOM gas n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

hear RANDOM gentleman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ear PART\_OF corn OBJECT\_1/5,FOOD\_2/5,NATURE\_4/5 ear is part of corn 0 0 0 0 5 0.9771 5 5.0 0.0 5.0 wordnet/4.0 score

ear PART\_OF face OBJECT\_20/59,COLOR\_1/59,RELATIONSHIP\_4/59,NATURE\_57/59 ear is part of face 0 0 0 1 4 0.883483333334 5 4.8 0.2 4.6 globalmind 2.0

ear PART\_OF head OBJECT\_1/5,EVENT\_1/5,RELATIONSHIP\_1/5,NATURE\_5/5 ear is part of head 0 0 0 0 5 0.960933333333 5 5.0 0.0 5.0 globalmind 3.700439718141092

ear PART\_OF human EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,COLOR\_1/5,TIME\_1/5,NATURE\_5/5,EVENT\_1/5 ear is part of human 0 0 0 0 5 0.905833333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

ear RANDOM album n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ear RANDOM candy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ear RANDOM expand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ear RANDOM lose n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ear RANDOM mortal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ear RANDOM music n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dull ANT intelligent EMOTION\_3/5,RELATIONSHIP\_2/5,NATURE\_1/5 dull can be used as the opposite of intelligent 0 0 0 2 3 0.91952 5 4.6 0.3 4.3 wiktionary/en/en 1.0

dull ANT sharp EMOTION\_2/5,RELATIONSHIP\_1/5,NATURE\_3/5,OBJECT\_1/5,TIME\_1/5,EMTION\_1/5,EMTIONCOMMUNICATION\_1/5 dull can be used as the opposite of sharp 0 0 0 1 4 0.935291666666 5 4.8 0.2 4.6 wordnet/4.0 score

dull RANDOM deceive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dull RANDOM expand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dull RANDOM flex n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dull RANDOM pattern n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dull RANDOM rain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dull RANDOM score n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dull RANDOM sheep n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dull RANDOM sit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

he ANT girl RELATIONSHIP\_3/5,NATURE\_3/5,OBJECT\_2/5,CULTURE\_1/5,CULTURE\_1/5 he can be used as the opposite of girl 0 0 0 2 3 0.9381 5 4.6 0.3 4.3 verbosity 0.06350294230615795

he ANT she RELATIONSHIP\_5/5 he can be used as the opposite of she 1 0 0 7 90 0.920785714286 98 4.88775510204 0.224384599201 4.66337050284 wiktionary/de/en 1.0

he ANT woman RELATIONSHIP\_1/5,NATURE\_4/5 he can be used as the opposite of woman 0 0 0 2 3 0.9434 5 4.6 0.3 4.3 verbosity 0.05258978615892945

he RANDOM bedroom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

he RANDOM box n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

he RANDOM count n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

he RANDOM document n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

he RANDOM fluid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

he RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

he RANDOM serve n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pull ANT push OBJECT\_1/5,EVENT\_5/5,NATURE\_1/5 pull can be used as the opposite of push 0 0 0 0 5 0.915725 5 5.0 0.0 5.0 wordnet/4.0 score

pull HYPER move EVENT\_5/5,RELATIONSHIP\_1/5 pull is a kind of move 0 0 0 0 5 0.92878 5 5.0 0.0 5.0 wordnet/4.0 score

pull HYPER remove EVENT\_5/5 pull is a kind of remove 0 0 1 1 3 0.9139 5 4.4 0.8 3.6 wordnet/4.0 score

pull RANDOM bind n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pull RANDOM communication n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pull RANDOM displease n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pull RANDOM film n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pull RANDOM police n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pull RANDOM sex n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pull RANDOM sky n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rush ANT calm EMOTION\_4/5,EVENT\_2/5,RELATIONSHIP\_1/5 rush can be used as the opposite of calm 0 0 0 2 3 0.93472 5 4.6 0.3 4.3 verbosity 0.014801602351360684

rush ANT relax EMOTION\_2/5,EVENT\_4/5,TIME\_1/5 rush can be used as the opposite of relax 0 0 0 0 5 0.933116666667 5 5.0 0.0 5.0 verbosity 0.02680005934371527

rush ANT slow EMOTION\_2/5,EVENT\_3/5,TIME\_1/5 rush can be used as the opposite of slow 0 1 0 2 3 0.928333333333 6 4.16666666667 1.36666666667 2.8 verbosity 0.48443914474048877

rush RANDOM big n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rush RANDOM contaminate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rush RANDOM country n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rush RANDOM history n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rush RANDOM kid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rush RANDOM report n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rush RANDOM season n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wife PART\_OF family OBJECT\_1/5,RELATIONSHIP\_5/5,CULTURE\_1/5 wife is part of family 0 0 0 0 5 0.978583333334 5 5.0 0.0 5.0 conceptnet/4/en 1.5849625007211563

wife SYN spouse CULTURE\_1/5,RELATIONSHIP\_5/5,COMMUNICATION\_1/5,OBJECT\_1/5,TIME\_1/5,EVENT\_1/5 wife can be used with the same meaning of spouse 0 0 0 0 5 0.967466666666 5 5.0 0.0 5.0 wiktionary/en/en 1.0

wife RANDOM ax n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wife RANDOM pure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wife RANDOM drug n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wife RANDOM enlightenment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wife RANDOM furniture n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wife RANDOM heat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wife RANDOM jail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

wife RANDOM monitor n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smooth ANT bumpy OBJECT\_5/5,COMMUNICATION\_1/5,RELATIONSHIP\_1/5,CULTURE\_1/5 smooth can be used as the opposite of bumpy 0 0 0 1 4 0.958083333333 5 4.8 0.2 4.6 verbosity 0.013462259806562429

smooth SYN even EMOTION\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_1/5 smooth can be used with the same meaning of even 0 0 0 1 4 0.970216666666 5 4.8 0.2 4.6 wiktionary/en/en 1.0

smooth RANDOM assemble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smooth RANDOM catch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smooth RANDOM clergyman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smooth RANDOM construction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smooth RANDOM container n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smooth RANDOM individual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smooth RANDOM law n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

smooth RANDOM personal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

up HYPER direction EVENT\_3/5,RELATIONSHIP\_1/5,SPACE\_2/5 up is a kind of direction 0 0 0 0 5 0.944141666667 5 5.0 0.0 5.0 conceptnet/4/en 3.0

up HYPER increase RELATIONSHIP\_3/5,NATURE\_2/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_3/5 up is a kind of increase 0 0 0 1 4 0.9496 5 4.8 0.2 4.6 wordnet/4.0 score

up RANDOM boot n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

up RANDOM box n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

up RANDOM face n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

up RANDOM hem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

up RANDOM movement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

up RANDOM orange n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

up RANDOM team n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

up RANDOM school n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sadness HYPER emotion EMOTION\_3/3,RELATIONSHIP\_2/3,NATURE\_1/3,CULTURE\_1/3,EVENT\_1/3 Sadness is a kind of emotion 0 0 0 0 5 0.85898 5 5.0 0.0 5.0 globalmind 3.1699250014423126

sadness HYPER unhappiness EMTIONRELATIONSHIP\_1/5,COMMUNICATION\_1/5,EMOTION\_3/5,EMTION\_1/5 sadness is a kind of unhappiness 0 0 0 0 5 0.949225 5 5.0 0.0 5.0 wordnet/4.0 score

sadness RANDOM car n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sadness RANDOM egg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sadness RANDOM full n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sadness RANDOM leg n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sadness RANDOM less n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sadness RANDOM tail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sadness RANDOM taste n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

problem ANT solution CULTURE\_1/5,EVENT\_3/5,RELATIONSHIP\_1/5 problem can be used as the opposite of solution 0 0 0 0 5 0.94444 5 5.0 0.0 5.0 verbosity 1.3073947994594306

problem HYPER question COMMUNICATION\_3/5,EVENT\_3/5 problem is a kind of question 0 0 0 2 3 0.875491666667 5 4.6 0.3 4.3 wordnet/4.0 score

problem RANDOM apartment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

problem RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

problem RANDOM lover n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

problem RANDOM passageway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

problem RANDOM port n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

problem RANDOM practice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

problem RANDOM theory n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

problem RANDOM value n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

piece ANT all OBJECT\_4/5,EVENT\_2/5,RELATIONSHIP\_3/5 piece can be used as the opposite of all 0 0 0 1 4 0.943058333333 5 4.8 0.2 4.6 verbosity 0.012926174444270048

piece ANT whole OBJECT\_5/5,FOOD\_1/5,RELATIONSHIP\_1/5,CULTURE\_1/5 piece can be used as the opposite of whole 0 0 0 2 3 0.947133333333 5 4.6 0.3 4.3 verbosity 0.9880643990535907

piece HYPER part RELATIONSHIP\_1/5,NATURE\_1/5,COMMUNICATION\_1/5,OBJECT\_4/5,EVENT\_2/5 piece is a kind of part 0 0 0 0 5 0.945625 5 5.0 0.0 5.0 wordnet/4.0 score

piece RANDOM birth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

piece RANDOM dirty n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

piece RANDOM fortune n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

piece RANDOM future n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

piece RANDOM hero n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

piece RANDOM melt n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

piece RANDOM reproduction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toilet HYPER room OBJECT\_1/5,NATURE\_1/5,SPACE\_5/5 toilet is a kind of room 0 0 0 2 3 0.956083333333 5 4.6 0.3 4.3 wordnet/4.0 score

toilet PART\_OF bathroom OBJECT\_3/5,COMMUNICATION\_1/5,SPACE\_4/5 toilet is part of bathroom 0 0 0 0 5 0.974933333333 5 5.0 0.0 5.0 globalmind 2.807354922057604

toilet SYN pot OBJECT\_5/5 toilet can be used with the same meaning of pot 0 0 0 2 3 0.893558333333 5 4.6 0.3 4.3 wiktionary/en/en 1.0

toilet RANDOM escape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toilet RANDOM chill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toilet RANDOM group n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toilet RANDOM happy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toilet RANDOM hate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toilet RANDOM ignite n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

toilet RANDOM leaf n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cover ANT show RELATIONSHIP\_2/5,COMMUNICATION\_1/5,OBJECT\_3/5,CULTURE\_1/5,EVENT\_3/5 cover can be used as the opposite of show 0 0 0 1 4 0.963833333334 5 4.8 0.2 4.6 verbosity 0.02350376548271462

cover HYPER hide EMOTION\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_2/5 cover is a kind of hide 0 0 0 1 4 0.91808 5 4.8 0.2 4.6 wordnet/4.0 score

cover PART\_OF book OBJECT\_5/5,RELATIONSHIP\_1/5 cover is part of book 0 0 0 0 5 0.970583333333 5 5.0 0.0 5.0 globalmind 3.5849625007211565

cover RANDOM band n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cover RANDOM basket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cover RANDOM bias n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cover RANDOM bounce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cover RANDOM energetic n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cover RANDOM feel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

cover RANDOM link n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deep ANT shallow EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_1/5,COLOR\_1/5,TIME\_1/5,NATURE\_4/5,EVENT\_2/5 deep can be used as the opposite of shallow 0 0 0 1 4 0.94386 5 4.8 0.2 4.6 verbosity 2.3905995933687647

deep ANT small OBJECT\_1/5,EVENT\_1/5,RELATIONSHIP\_3/5 deep can be used as the opposite of small 0 1 0 1 3 0.956966666666 5 4.2 1.7 2.5 wiktionary/en/en 1.0

deep RANDOM agreement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deep RANDOM basement n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deep RANDOM busy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deep RANDOM elate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deep RANDOM end n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deep RANDOM poison n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deep RANDOM punishment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

deep RANDOM puppy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dog ANT bitch OBJECT\_1/5,RELATIONSHIP\_3/5,NATURE\_4/5 dog can be used as the opposite of bitch 0 0 0 0 5 0.871008333334 5 5.0 0.0 5.0 wiktionary/de/en 1.0

dog HYPER animal OBJECT\_2/5,NATURE\_5/5 dog is a kind of animal 0 0 0 0 5 0.963925 5 5.0 0.0 5.0 conceptnet/4/en 5.108524456778169

dog HYPER mammal OBJECT\_1/5,EVENT\_1/5,NATURE\_5/5 dog is a kind of mammal 0 0 0 0 5 0.963433333334 5 5.0 0.0 5.0 conceptnet/4/en 6.139551352398794

dog HYPER pet OBJECT\_2/5,COMMUNICATION\_1/5,RELATIONSHIP\_2/5,NATURE\_4/5 dog is a kind of pet 0 0 0 1 4 0.976633333333 5 4.8 0.2 4.6 conceptnet/4/en 5.044394119358453

dog RANDOM count n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dog RANDOM film n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dog RANDOM flesh n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dog RANDOM garden n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dog RANDOM grip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

dog RANDOM personal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exist ANT die EVENT\_4/5,RELATIONSHIP\_2/5,TIME\_2/5 exist can be used as the opposite of die 0 0 0 0 5 0.940008333333 5 5.0 0.0 5.0 verbosity 0.014355292977070055

exist SYN be TIME\_1/5,EVENT\_2/5,NATURE\_3/5 exist can be used with the same meaning of be 1 0 0 0 4 0.949275 5 4.2 3.2 1.0 wiktionary/en/en 1.0

exist RANDOM clean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exist RANDOM fashion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exist RANDOM free n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exist RANDOM leave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exist RANDOM mean n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exist RANDOM reduce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exist RANDOM rough n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

exist RANDOM sink n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girlfriend SYN lover EMTIONRELATIONSHIP\_1/5,RELATIONSHIP\_4/5 girlfriend can be used with the same meaning of lover 0 0 0 2 3 0.956766666667 5 4.6 0.3 4.3 wiktionary/de/en 1.0

girlfriend HYPER woman RELATIONSHIP\_4/5,NATURE\_2/5 girlfriend is a kind of woman 0 0 0 0 5 0.957125 5 5.0 0.0 5.0 wordnet/4.0 score

girlfriend SYN female RELATIONSHIP\_5/5,NATURE\_1/5,COMMUNICATION\_1/5,TIME\_1/5,CULTURE\_1/5 girlfriend can be used with the same meaning of female 0 1 0 0 4 0.942041666666 5 4.4 1.8 2.6 wiktionary/de/en 1.0

girlfriend RANDOM fail n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girlfriend RANDOM fish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girlfriend RANDOM history n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girlfriend RANDOM humble n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girlfriend RANDOM life n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girlfriend RANDOM smoke n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

girlfriend RANDOM universe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curl PART\_OF wave RELATIONSHIP\_1/5,NATURE\_2/5,OBJECT\_4/5,CULTURE\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_2/5 curl is part of wave 0 0 0 1 4 0.9436 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

curl SYN curve EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_3/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_4/5 curl can be used with the same meaning of curve 0 0 0 1 4 0.960108333333 5 4.8 0.2 4.6 wiktionary/en/en 1.0

curl RANDOM basket n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curl RANDOM cat n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curl RANDOM fix n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curl RANDOM hallway n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curl RANDOM hollow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curl RANDOM miss n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curl RANDOM narrow n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curl RANDOM religion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

education PART\_OF civilization COMMUNICATION\_1/5,RELATIONSHIP\_1/5,CULTURE\_4/5 education is part of civilization 0 0 0 2 3 0.963125 5 4.6 0.3 4.3 conceptnet/4/en 1.5849625007211563

education SYN teach RELATIONSHIP\_1/5,COMMUNICATION\_2/5,CULTURE\_1/5,CULTURE\_1/5,EVENT\_3/5 education can be used with the same meaning of teach 0 0 0 1 4 0.928675 5 4.8 0.2 4.6 umbel 1.0

education RANDOM competition n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

education RANDOM gun n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

education RANDOM healthy n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

education RANDOM hour n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

education RANDOM rubber n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

education RANDOM separate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

education RANDOM sight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

education RANDOM sleep n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pit HYPER cavity OBJECT\_2/5,NATURE\_1/5,SPACE\_4/5 pit is a kind of cavity 0 0 0 1 4 0.957208333333 5 4.8 0.2 4.6 wordnet/4.0 score

pit HYPER hole OBJECT\_3/5,NATURE\_1/5,SPACE\_4/5 pit is a kind of hole 0 0 0 0 5 0.918733333334 5 5.0 0.0 5.0 wordnet/4.0 score

pit HYPER trap RELATIONSHIP\_2/5,SPACE\_2/5,COMMUNICATION\_1/5,OBJECT\_3/5,EVENT\_1/5 pit is a kind of trap 0 0 0 2 3 0.924541666667 5 4.6 0.3 4.3 wordnet/4.0 score

pit RANDOM build n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pit RANDOM fact n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pit RANDOM gang n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pit RANDOM right n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pit RANDOM stand n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pit RANDOM stupid n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pit RANDOM tree n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

floor ANT sky OBJECT\_2/5,NATURE\_2/5,RELATIONSHIP\_1/5,SPACE\_3/5 floor can be used as the opposite of sky 0 0 0 2 3 0.932366666667 5 4.6 0.3 4.3 verbosity 0.04427869913831198

floor HYPER surface OBJECT\_4/5,SPACE\_2/5 floor is a kind of surface 0 0 0 1 4 0.973866666667 5 4.8 0.2 4.6 wordnet/4.0 score

floor PART\_OF hallway OBJECT\_3/5,COMMUNICATION\_1/5,SPACE\_4/5 floor is part of hallway 0 0 0 0 5 0.923716666666 5 5.0 0.0 5.0 wordnet/4.0 score

floor PART\_OF room OBJECT\_3/5,SPACE\_2/5,TIME\_1/5 floor is part of room 0 0 0 0 5 0.893625 5 5.0 0.0 5.0 conceptnet/4/en 2.0

floor RANDOM blade n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

floor RANDOM breathe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

floor RANDOM direction n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

floor RANDOM growth n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

floor RANDOM letter n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

floor RANDOM pierce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sick ANT healthy EVENT\_2/5,RELATIONSHIP\_1/5,NATURE\_5/5 sick can be used as the opposite of healthy 0 0 0 0 5 0.9421 5 5.0 0.0 5.0 verbosity 0.2177291097000925

sick ANT well EMOTION\_2/5,NATURE\_3/5 sick can be used as the opposite of well 0 0 0 1 4 0.9243 5 4.8 0.2 4.6 verbosity 0.19264868467548968

sick RANDOM bike n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sick RANDOM muscle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sick RANDOM sky n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sick RANDOM land n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sick RANDOM marriage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sick RANDOM performance n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sick RANDOM pitch n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

sick RANDOM antique n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

department HYPER division CULTURE\_1/5,RELATIONSHIP\_1/5,BUSINESS\_4/5,SPACE\_3/5 department is a kind of division 0 0 0 0 5 0.923441666666 5 5.0 0.0 5.0 wordnet/4.0 score

department HYPER place EMOTION\_1/6,CULTURE\_1/6,RELATIONSHIP\_1/6,BUSINESS\_2/6,SPACE\_6/6,FOOD\_1/6,COMMUNICATION\_1/6,OBJECT\_1/6,COLOR\_1/6,TIME\_1/6,NATURE\_1/6,EVENT\_1/6 department is a kind of place 0 0 0 2 3 0.937475 5 4.6 0.3 4.3 dbpedia/en 0.5849625007211562

department PART\_OF university BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_5/5 department is part of university 0 0 0 1 4 0.9819 5 4.8 0.2 4.6 globalmind 2.0

department RANDOM conclusion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

department RANDOM depress n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

department RANDOM family n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

department RANDOM freedom n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

department RANDOM jar n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

department RANDOM mug n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

department RANDOM short n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tie HYPER connect EMOTION\_1/5,RELATIONSHIP\_2/5,COMMUNICATION\_1/5,OBJECT\_1/5,EVENT\_4/5 tie is a kind of connect 0 0 0 2 3 0.941458333334 5 4.6 0.3 4.3 wordnet/4.0 score

tie HYPER equal CULTURE\_1/5,EVENT\_5/5,NATURE\_1/5 tie is a kind of equal 0 0 0 1 4 0.889641666666 5 4.8 0.2 4.6 wordnet/4.0 score

tie HYPER fashion EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_2/5,FOOD\_1/5,COMMUNICATION\_1/5,OBJECT\_5/5,COLOR\_1/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 tie is a kind of fashion 0 0 0 1 4 0.922608333334 5 4.8 0.2 4.6 wordnet/4.0 score

tie RANDOM down n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tie RANDOM commerce n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tie RANDOM deal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tie RANDOM happiness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tie RANDOM hold n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tie RANDOM injure n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

tie RANDOM large n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

puppy HYPER animal EMOTION\_1/5,OBJECT\_2/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_2/5,SPACE\_1/5,FOOD\_1/5,COMMUNICATION\_1/5,NATURE\_5/5,COLOR\_1/5,TIME\_2/5,EVENT\_1/5 puppy is a kind of animal 0 0 0 0 5 0.95586 5 5.0 0.0 5.0 conceptnet/4/en 2.0

puppy HYPER dog OBJECT\_1/5,TIME\_2/5,RELATIONSHIP\_1/5,NATURE\_4/5 puppy is a kind of dog 0 0 0 2 3 0.92834 5 4.6 0.3 4.3 conceptnet/4/en 3.8073549220576037

puppy RANDOM adult n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

puppy RANDOM band n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

puppy RANDOM day n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

puppy RANDOM moon n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

puppy RANDOM ordinary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

puppy RANDOM safe n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

puppy RANDOM taste n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

puppy RANDOM tv n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roll ANT bounce COMMUNICATION\_1/5,EVENT\_4/5,TIME\_1/5 roll can be used as the opposite of bounce 0 0 0 2 3 0.964733333333 5 4.6 0.3 4.3 verbosity 0.014355292977070055

roll HYPER turn RELATIONSHIP\_2/5,OBJECT\_1/5,TIME\_1/5,EMTIONRELATIONSHIP\_1/5,CULTURE\_1/5,EVENT\_4/5 roll is a kind of turn 0 0 0 2 3 0.964833333333 5 4.6 0.3 4.3 wordnet/4.0 score

roll RANDOM bring n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roll RANDOM cattle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roll RANDOM chain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roll RANDOM fan n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roll RANDOM homosexual n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roll RANDOM kitchen n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roll RANDOM neutron n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

roll RANDOM question n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

picture ANT movie RELATIONSHIP\_1/5,OBJECT\_3/5,CULTURE\_3/5,CULTURE\_1/5,EVENT\_1/5 picture can be used as the opposite of movie 0 0 0 2 3 0.906591666667 5 4.6 0.3 4.3 verbosity 0.05289277188456538

picture PART\_OF book OBJECT\_5/5,CULTURE\_1/5 picture is part of book 0 0 0 1 4 0.969416666667 5 4.8 0.2 4.6 globalmind 2.0

picture RANDOM apartment n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

picture RANDOM battle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

picture RANDOM dry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

picture RANDOM enrage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

picture RANDOM fill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

picture RANDOM ingredient n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

picture RANDOM light n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

picture RANDOM live n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw SYN pull EMOTION\_1/5,EVENT\_4/5,RELATIONSHIP\_2/5 draw can be used with the same meaning of pull 0 0 0 1 4 0.940666666667 5 4.8 0.2 4.6 wiktionary/de/en 1.0

draw RANDOM atmosphere n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw RANDOM baby n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw RANDOM bird n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw RANDOM bridge n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw RANDOM chest n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw RANDOM fear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw RANDOM grip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw RANDOM industry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

draw RANDOM train n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

star PART\_OF constellation OBJECT\_2/5,CULTURE\_1/5,SPACE\_1/5,NATURE\_4/5 star is part of constellation 0 0 0 1 4 0.956075 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

star PART\_OF galaxy OBJECT\_1/5,NATURE\_2/5,SPACE\_4/5 star is part of galaxy 0 0 0 0 5 0.930475 5 5.0 0.0 5.0 conceptnet/4/en 2.0

star RANDOM clergyman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

star RANDOM crystal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

star RANDOM gown n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

star RANDOM have n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

star RANDOM line n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

star RANDOM recreation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

star RANDOM strip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

star RANDOM violent n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

football HYPER ball OBJECT\_5/5,CULTURE\_1/5 football is a kind of ball 0 0 0 1 4 0.969666666666 5 4.8 0.2 4.6 wiktionary/de/en 1.5849625007211563

football HYPER game OBJECT\_1/5,CULTURE\_3/5,EVENT\_3/5,NATURE\_1/5 football is a kind of game 0 0 0 0 5 0.960408333334 5 5.0 0.0 5.0 conceptnet/4/en 5.08746284125034

football HYPER sport CULTURE\_4/5,EVENT\_1/5 football is a kind of sport 0 0 0 0 5 0.9384 5 5.0 0.0 5.0 globalmind 5.08746284125034

football RANDOM bias n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

football RANDOM communism n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

football RANDOM constellation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

football RANDOM fabric n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

football RANDOM friend n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

football RANDOM function n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

football RANDOM record n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

desert ANT ocean RELATIONSHIP\_2/57,BUSINESS\_1/57,NATURE\_30/57,COMMUNICATION\_1/57,OBJECT\_9/57,SPACE\_40/57,TIME\_1/57 desert can be used as the opposite of ocean 0 0 0 1 4 0.978958333334 5 4.8 0.2 4.6 verbosity 0.19618336331904226

desert PART\_OF earth BUSINESS\_1/5,RELATIONSHIP\_1/5,NATURE\_3/5,FOOD\_1/5,SPACE\_4/5,COLOR\_1/5,CULTURE\_1/5,EVENT\_1/5 desert is part of earth 0 0 0 0 5 0.927941666666 5 5.0 0.0 5.0 globalmind 2.0

desert RANDOM brain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

desert RANDOM darkness n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

desert RANDOM industry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

desert RANDOM landscape n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

desert RANDOM link n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

desert RANDOM positive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

desert RANDOM push n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

desert RANDOM spouse n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ghost HYPER spirit OBJECT\_3/5,CULTURE\_1/5,EVENT\_1/5,NATURE\_2/5 ghost is a kind of spirit 0 0 0 1 4 0.930208333334 5 4.8 0.2 4.6 conceptnet/4/en 1.5849625007211563

ghost RANDOM cap n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ghost RANDOM develop n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ghost RANDOM health n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ghost RANDOM industry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ghost RANDOM material n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ghost RANDOM motorcycle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ghost RANDOM music n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

ghost RANDOM tissue n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

potato HYPER plant OBJECT\_1/5,CULTURE\_1/5,FOOD\_2/5,NATURE\_4/5 potato is a kind of plant 0 0 0 2 3 0.897325 5 4.6 0.3 4.3 dbpedia/en 0.5849625007211562

potato RANDOM fall n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

potato RANDOM fashion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

potato RANDOM grip n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

potato RANDOM mortal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

potato RANDOM newspaper n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

potato RANDOM separation n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve HYPER line RELATIONSHIP\_1/7,SPACE\_1/7,COMMUNICATION\_1/7,OBJECT\_4/7,EVENT\_2/7 curve is a kind of line 0 0 0 1 4 0.9678 5 4.8 0.2 4.6 wordnet/4.0 score

curve RANDOM coach n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve RANDOM corn n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve RANDOM deceive n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve RANDOM engage n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve RANDOM extinguish n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve RANDOM fashion n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve RANDOM statue n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve RANDOM steal n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

curve RANDOM transport n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warm ANT freeze OBJECT\_2/5,CULTURE\_1/5,EVENT\_3/5,NATURE\_3/5 warm can be used as the opposite of freeze 0 0 0 1 4 0.902733333334 5 4.8 0.2 4.6 wiktionary/en/en 1.0

warm SYN heat EMOTION\_2/5,COLOR\_1/5,EVENT\_3/5,NATURE\_1/5 warm can be used with the same meaning of heat 0 0 0 1 4 0.899325 5 4.8 0.2 4.6 umbel 2.0

warm RANDOM home n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warm RANDOM humanity n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warm RANDOM hear n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warm RANDOM justice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warm RANDOM hem n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warm RANDOM mountain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warm RANDOM mug n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

warm RANDOM straight n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pupil PART\_OF eye RELATIONSHIP\_1/5,NATURE\_5/5,OBJECT\_1/5,CULTURE\_1/5,EVENT\_1/5 pupil is part of eye 0 0 0 0 5 0.932275 5 5.0 0.0 5.0 conceptnet/4/en 3.1699250014423126

pupil ANT teacher EMOTION\_1/5,COLOR\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_3/5,NATURE\_3/5,FOOD\_1/5,COMMUNICATION\_3/5,OBJECT\_2/5,CULTURE\_2/5,SPACE\_1/5,TIME\_1/5,EVENT\_1/5 pupil can be used as the opposite of teacher 0 0 0 2 4 0.959116666666 6 4.66666666667 0.266666666667 4.4 verbosity 0.01736752162100372

pupil PART\_OF class RELATIONSHIP\_3/5,SPACE\_1/5,COMMUNICATION\_1/5,OBJECT\_2/5,CULTURE\_1/5 pupil is part of class 0 0 0 1 4 0.957183333334 5 4.8 0.2 4.6 conceptnet/4/en 2.0

pupil SYN student OBJECT\_1/5,CULTURE\_2/5,RELATIONSHIP\_3/5,NATURE\_2/5 pupil can be used with the same meaning of student 0 0 0 0 5 0.942775 5 5.0 0.0 5.0 wiktionary/de/en 1.0

pupil RANDOM job n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pupil RANDOM juice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pupil RANDOM little n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pupil RANDOM marry n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pupil RANDOM pain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

pupil RANDOM retire n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fasten SYN lace EMOTION\_1/5,CULTURE\_1/5,BUSINESS\_1/5,RELATIONSHIP\_1/5,SPACE\_2/5,FOOD\_1/5,COMMUNICATION\_2/5,OBJECT\_4/5,COLOR\_1/5,TIME\_2/5,NATURE\_1/5,EVENT\_4/5 fasten can be used with the same meaning of lace 0 0 0 2 3 0.938308333334 5 4.6 0.3 4.3 wiktionary/de/en 1.0

fasten SYN tie EMOTION\_4/118,COLOR\_2/118,CULTURE\_5/118,BUSINESS\_3/118,RELATIONSHIP\_23/118,NATURE\_8/118,FOOD\_3/118,COMMUNICATION\_7/118,OBJECT\_34/118,CULTURE\_4/118,SPACE\_3/118,TIME\_6/118,EVENT\_92/118 fasten can be used with the same meaning of tie 0 0 0 0 5 0.934433333333 5 5.0 0.0 5.0 wiktionary/de/en 1.0

fasten RANDOM bill n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fasten RANDOM chicken n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fasten RANDOM dictionary n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fasten RANDOM fact n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fasten RANDOM fog n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fasten RANDOM phrase n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fasten RANDOM sword n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

fasten RANDOM vacuum n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rinse PART\_OF wash OBJECT\_1/5,EVENT\_5/5 rinse is part of wash 0 0 0 1 4 0.960425 5 4.8 0.2 4.6 wordnet/4.0 score

rinse RANDOM angel n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rinse RANDOM calculate n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rinse RANDOM cave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rinse RANDOM clergyman n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rinse RANDOM middle n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rinse RANDOM nice n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rinse RANDOM plain n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a

rinse RANDOM spirit n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a