```
15:855 ;1;    AirForce SubClassOf: origin[: origin] some Air[: Air]
15:855 ;2;    AirForce EquivalentTo: Attribute[: Force] and origin[: origin] some Air[: Air]
14:278 ;1;    MultipoleSection SubClassOf: Election[: Section] and contains[: contain] some Multipole[: Multipole]
14:278 ;2;    MultipoleSection SubClassOf: Election[: Section] and inverse relative[: live_at] some Multipole[: Multipole]
14:278 ;2;    MultipoleSection SubClassOf: Election[: Section] and inverse relative[: liveat] some Multipole[: Multipole]
14:278 ;2;    MultipoleSection SubClassOf: Election[: Section] and inverse moves[: place] some Multipole[: Multipole]
14:278 ;2;    MultipoleSection SubClassOf: Election[: Section] and inverse located[: locatedin] some Multipole[: Multipole]
32:183 ;4;    LARPlatoon SubClassOf: inverse uses[: use] some Thing
15:909 ;1;    AuditoriumSeat SubClassOf: origin[: origin] some Auditorium[: Auditorium]
15:909 ;2;    AuditoriumSeat EquivalentTo: Seat[: Seat] and origin[: origin] some Auditorium[: Auditorium]
13:626 ;1;    OrganicThing SubClassOf: Thing[: Thing] and composer[: composed] some Organism[: Organic]
10:121 ;1;    OrganicThing SubClassOf: inverse penetrates[: generates] some Organism[: Organic]
10:121 ;1;    OrganicThing SubClassOf: inverse causes[: causes] some Organism[: Organic]
10:121 ;2;    OrganicThing SubClassOf: inverse penetrates[: generates] some Thing
10:121 ;2;    OrganicThing SubClassOf: inverse causes[: causes] some Thing
10:121 ;6;    OrganicThing SubClassOf: Thing[: Thing] and  Opening[: cost]
10:121 ;6;    OrganicThing SubClassOf: Thing[: Thing] and  Relation[: revenue]
10:121 ;6;    OrganicThing SubClassOf: Thing[: Thing] and  Liability[: debt]
15:127 ;1;    FinancialInstrument SubClassOf: origin[: origin] some Financing[: Financial]
15:127 ;2;    FinancialInstrument EquivalentTo: Device[: Instrument] and origin[: origin] some Financing[: Financial]
15:339 ;1;    VehicleThrottle SubClassOf: origin[: origin] some Vehicle[: Vehicle]
15:339 ;2;    VehicleThrottle EquivalentTo: Valve[: Throttle] and origin[: origin] some Vehicle[: Vehicle]
19:198 ;1;    VehicleThrottle EquivalentTo: Valve[: Throttle] and startupOf[: partof] some Vehicle[: Vehicle]
19:198 ;1;    VehicleThrottle EquivalentTo: Valve[: Throttle] and member[: memberof] some Vehicle[: Vehicle]
19:198 ;1;    VehicleThrottle EquivalentTo: Valve[: Throttle] and startupOf[: part_of] some Vehicle[: Vehicle]
13:800 ;1;    PhosgeneOxime SubClassOf: OrganicCompound[: Oxime] and composer[: composed] some Phosgene[: Phosgene]
68:156 ;2;    PropositionalAttitude SubClassOf: Latitude[: Attitude] and during[: during] only Proposition[: Propositional]

2:565 ;3;    DruzeMuslim SubClassOf: Rollover[: Druze] and Muslim[: Muslim] and Human[: human]
2:565 ;4;    DruzeMuslim SubClassOf: Rollover[: Druze] and Muslim[: Muslim]
5:387 ;2;    DruzeMuslim EquivalentTo: Rollover[: Druze] and Muslim[: Muslim]
99:97 ;1;    MechanicsDomain EquivalentTo: Attribute[: Domain] and measure[: measures] some Science[: Mechanics]
99:97 ;3;    MechanicsDomain SubClassOf: measure[: measures] some Science[: Mechanics]
99:97 ;4;    MechanicsDomain SubClassOf: measure[: measures] some Thing
5:114 ;2;    FireEngine EquivalentTo: Fire[: Fire] and Engine[: Engine]
1:257 ;4;    ProcessStatus EquivalentTo: stateOfProcess[: StatusofProcess] some Thing
13:975 ;1;    DNAPolymerase SubClassOf: DNAPolymerase[: Polymerase] and composer[: composed] some Substance[: DNA]
32:428 ;4;    ZenatiLanguage SubClassOf: inverse uses[: use] some Thing
15:545 ;1;    PlantSubstance SubClassOf: origin[: origin] some Plant[: Plant]
15:545 ;2;    PlantSubstance EquivalentTo: Substance[: Substance] and origin[: origin] some Plant[: Plant]
1:681 ;4;    UserName EquivalentTo: userName[: NameofUser] some Thing
5:107 ;2;    UserName EquivalentTo: Organism[: User] and Name[: Name]
32:170 ;4;    JfetTransistor SubClassOf: inverse uses[: use] some Thing
13:966 ;1;    RootVegetable SubClassOf: Vegetable[: Vegetable] and composer[: composed] some Room[: Root]
13:152 ;1;    SoupStock SubClassOf: Stock[: Stock] and composer[: composed] some Soap[: Soup]
1:701 ;3;    ImaginaryNumber EquivalentTo: inverse faxNumber[: hasNumber] some Number[: Imaginary]
5:190 ;2;    RoadVehicle EquivalentTo: Road[: Road] and Vehicle[: Vehicle]
15:179 ;1;    RoadVehicle SubClassOf: origin[: origin] some Road[: Road]
15:179 ;2;    RoadVehicle EquivalentTo: Vehicle[: Vehicle] and origin[: origin] some Road[: Road]
19:413 ;1;    PontoonBridge EquivalentTo: Bridge[: Bridge] and startupOf[: partof] some Barge[: Pontoon]
19:413 ;1;    PontoonBridge EquivalentTo: Bridge[: Bridge] and member[: memberof] some Barge[: Pontoon]
19:413 ;1;    PontoonBridge EquivalentTo: Bridge[: Bridge] and startupOf[: part_of] some Barge[: Pontoon]
15:96 ;1;    PontoonBridge SubClassOf: origin[: origin] some Barge[: Pontoon]
15:96 ;2;    PontoonBridge EquivalentTo: Bridge[: Bridge] and origin[: origin] some Barge[: Pontoon]
32:431 ;4;    GuaporeLanguage SubClassOf: inverse uses[: use] some Thing
32:347 ;2;    CantLanguage SubClassOf: inverse uses[: use] some Message[: Cant]
32:347 ;4;    CantLanguage SubClassOf: inverse uses[: use] some Thing
32:347 ;6;    CantLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Message[: Cant]
```

```
13:329 ;1;    Refinancing SubClassOf: Financing[: financing] and composer[: composed] some Metal[: Re]
5:142 ;2;     GraphPath EquivalentTo: Graph[: Graph] and Fact[: Path]
5:154 ;2;     TreatyDocument EquivalentTo: Agreement[: Treaty] and Document[: Document]
13:992 ;1;    FlaxFiber SubClassOf: Substance[: Fiber] and composer[: composed] some Fax[: Flax]
13:971 ;1;    BloodAgent SubClassOf: Agent[: Agent] and composer[: composed] some Blood[: Blood]
14:239 ;1;    CoralReef SubClassOf: Reef[: Reef] and contains[: contain] some Coral[: Coral]
14:239 ;2;    CoralReef SubClassOf: Reef[: Reef] and inverse relative[: live_at] some Coral[: Coral]
14:239 ;2;    CoralReef SubClassOf: Reef[: Reef] and inverse relative[: liveat] some Coral[: Coral]
14:239 ;2;    CoralReef SubClassOf: Reef[: Reef] and inverse moves[: place] some Coral[: Coral]
14:239 ;2;    CoralReef SubClassOf: Reef[: Reef] and inverse located[: locatedin] some Coral[: Coral]
15:117 ;1;    ComputerDirectory SubClassOf: origin[: origin] some Computer[: Computer]
15:117 ;2;    ComputerDirectory EquivalentTo: ReferenceBook[: Directory] and origin[: origin] some Computer[: Computer]
14:107 ;1;    ComputerDirectory SubClassOf: ReferenceBook[: Directory] and contains[: contain] some Computer[: Computer]
14:107 ;2;    ComputerDirectory SubClassOf: ReferenceBook[: Directory] and inverse moves[: place] some Computer[: Computer]
14:107 ;2;    ComputerDirectory SubClassOf: ReferenceBook[: Directory] and inverse located[: locatedin] some Computer[: Computer]
14:150 ;1;    ArtilleryCannon SubClassOf: Canyon[: Cannon] and contains[: contain] some ArtilleryGun[: Artillery]
14:150 ;2;    ArtilleryCannon SubClassOf: Canyon[: Cannon] and inverse moves[: place] some ArtilleryGun[: Artillery]
14:150 ;2;    ArtilleryCannon SubClassOf: Canyon[: Cannon] and inverse located[: locatedin] some ArtilleryGun[: Artillery]
32:129 ;2;    ArtilleryCannon SubClassOf: inverse uses[: use] some ArtilleryGun[: Artillery]
32:129 ;4;    ArtilleryCannon SubClassOf: inverse uses[: use] some Thing
32:129 ;6;    ArtilleryCannon EquivalentTo: Canyon[: Cannon] and inverse uses[: use] some ArtilleryGun[: Artillery]
14:125 ;1;    PropellerJet SubClassOf: Airplane[: Jet] and contains[: contain] some PropellerJet[: Propeller]
14:125 ;2;    PropellerJet SubClassOf: Airplane[: Jet] and inverse moves[: place] some PropellerJet[: Propeller]
14:125 ;2;    PropellerJet SubClassOf: Airplane[: Jet] and inverse located[: locatedin] some PropellerJet[: Propeller]
32:113 ;2;    GearTrain SubClassOf: inverse uses[: use] some Gear[: Gear]
32:113 ;4;    GearTrain SubClassOf: inverse uses[: use] some Thing
32:113 ;6;    GearTrain EquivalentTo: Train[: Train] and inverse uses[: use] some Gear[: Gear]
14:94 ;1;     ProjectileLauncher SubClassOf: Function[: Launcher] and contains[: contain] some Projectile[: Projectile]
14:94 ;2;     ProjectileLauncher SubClassOf: Function[: Launcher] and inverse moves[: place] some Projectile[: Projectile]
14:94 ;2;     ProjectileLauncher SubClassOf: Function[: Launcher] and inverse located[: locatedin] some Projectile[: Projectile]
10:301 ;1;    SoilErosion SubClassOf: inverse penetrates[: generates] some Soil[: Soil]
10:301 ;1;    SoilErosion SubClassOf: inverse causes[: causes] some Soil[: Soil]
10:301 ;2;    SoilErosion SubClassOf: inverse penetrates[: generates] some Thing
10:301 ;2;    SoilErosion SubClassOf: inverse causes[: causes] some Thing
10:301 ;6;    SoilErosion SubClassOf: Erosion[: Erosion] and  Opening[: cost]
10:301 ;6;    SoilErosion SubClassOf: Erosion[: Erosion] and  Relation[: revenue]
10:301 ;6;    SoilErosion SubClassOf: Erosion[: Erosion] and  Liability[: debt]
5:418 ;2;     MotorHopper EquivalentTo: Motor[: Motor] and Copper[: Hopper]
13:133 ;1;    MotorHopper SubClassOf: Copper[: Hopper] and composer[: composed] some Motor[: Motor]
13:227 ;1;    AnimalSubstance SubClassOf: Substance[: Substance] and composer[: composed] some Animal[: Animal]
10:101 ;1;    AnimalSubstance SubClassOf: inverse penetrates[: generates] some Animal[: Animal]
10:101 ;1;    AnimalSubstance SubClassOf: inverse causes[: causes] some Animal[: Animal]
10:101 ;2;    AnimalSubstance SubClassOf: inverse penetrates[: generates] some Thing
10:101 ;2;    AnimalSubstance SubClassOf: inverse causes[: causes] some Thing
10:101 ;6;    AnimalSubstance SubClassOf: Substance[: Substance] and  Opening[: cost]
10:101 ;6;    AnimalSubstance SubClassOf: Substance[: Substance] and  Relation[: revenue]
10:101 ;6;    AnimalSubstance SubClassOf: Substance[: Substance] and  Liability[: debt]
5:103 ;2;     LandForm EquivalentTo: Sand[: Land] and Farm[: Form]
14:279 ;1;    ApartmentBuilding SubClassOf: Building[: Building] and contains[: contain] some NamePart[: Apartment]
14:279 ;2;    ApartmentBuilding SubClassOf: Building[: Building] and inverse moves[: place] some NamePart[: Apartment]
14:279 ;2;    ApartmentBuilding SubClassOf: Building[: Building] and inverse located[: locatedin] some NamePart[: Apartment]
19:267 ;1;    ApartmentBuilding EquivalentTo: Building[: Building] and startupOf[: partof] some NamePart[: Apartment]
19:267 ;1;    ApartmentBuilding EquivalentTo: Building[: Building] and startupOf[: part_of] some NamePart[: Apartment]
5:283 ;2;     MultipolePort EquivalentTo: Multipole[: Multipole] and Pork[: Port]
14:160 ;1;    MultipolePort SubClassOf: Pork[: Port] and contains[: contain] some Multipole[: Multipole]
14:160 ;2;    MultipolePort SubClassOf: Pork[: Port] and inverse moves[: place] some Multipole[: Multipole]
14:160 ;2;    MultipolePort SubClassOf: Pork[: Port] and inverse located[: locatedin] some Multipole[: Multipole]
32:169 ;4;    CaribLanguage SubClassOf: inverse uses[: use] some Thing
```

```
32:470 ;4;      GuaicuruanLanguage SubClassOf: inverse uses[: use] some Thing
13:178 ;1;      CarbonCycle SubClassOf: Cycle[: Cycle] and composer[: composed] some Carbon[: Carbon]
32:275 ;2;      ArtilleryGun SubClassOf: inverse uses[: use] some ArtilleryGun[: Artillery]
32:275 ;4;      ArtilleryGun SubClassOf: inverse uses[: use] some Thing
32:275 ;6;      ArtilleryGun EquivalentTo: Gun[: Gun] and inverse uses[: use] some ArtilleryGun[: Artillery]
14:140 ;1;      ArtilleryGun SubClassOf: Gun[: Gun] and contains[: contain] some ArtilleryGun[: Artillery]
14:140 ;2;      ArtilleryGun SubClassOf: Gun[: Gun] and inverse moves[: place] some ArtilleryGun[: Artillery]
14:140 ;2;      ArtilleryGun SubClassOf: Gun[: Gun] and inverse located[: locatedin] some ArtilleryGun[: Artillery]
10:137 ;1;      ArtilleryGun SubClassOf: inverse penetrates[: generates] some ArtilleryGun[: Artillery]
10:137 ;1;      ArtilleryGun SubClassOf: inverse causes[: causes] some ArtilleryGun[: Artillery]
10:137 ;2;      ArtilleryGun SubClassOf: inverse penetrates[: generates] some Thing
10:137 ;2;      ArtilleryGun SubClassOf: inverse causes[: causes] some Thing
10:137 ;6;      ArtilleryGun SubClassOf: Gun[: Gun] and  Opening[: cost]
10:137 ;6;      ArtilleryGun SubClassOf: Gun[: Gun] and  Relation[: revenue]
10:137 ;6;      ArtilleryGun SubClassOf: Gun[: Gun] and  Liability[: debt]
19:99 ;1;      ArtilleryGun EquivalentTo: Gun[: Gun] and startupOf[: partof] some ArtilleryGun[: Artillery]
19:99 ;1;      ArtilleryGun EquivalentTo: Gun[: Gun] and member[: memberof] some ArtilleryGun[: Artillery]
19:99 ;1;      ArtilleryGun EquivalentTo: Gun[: Gun] and startupOf[: part_of] some ArtilleryGun[: Artillery]
32:886 ;2;      GasolineEngine SubClassOf: inverse uses[: use] some Gasoline[: Gasoline]
32:886 ;4;      GasolineEngine SubClassOf: inverse uses[: use] some Thing
32:886 ;6;      GasolineEngine EquivalentTo: Engine[: Engine] and inverse uses[: use] some Gasoline[: Gasoline]
32:466 ;4;      TucanoanLanguage SubClassOf: inverse uses[: use] some Thing
32:470 ;4;      TacananLanguage SubClassOf: inverse uses[: use] some Thing
5:864 ;2;      NationalGovernment EquivalentTo: Nation[: National] and Government[: Government]
15:210 ;1;      AirRoute SubClassOf: origin[: origin] some Air[: Air]
15:210 ;2;      AirRoute EquivalentTo: Wine[: Route] and origin[: origin] some Air[: Air]
14:206 ;1;      AirRoute SubClassOf: Wine[: Route] and contains[: contain] some Air[: Air]
14:206 ;2;      AirRoute SubClassOf: Wine[: Route] and inverse moves[: place] some Air[: Air]
14:206 ;2;      AirRoute SubClassOf: Wine[: Route] and inverse located[: locatedin] some Air[: Air]
15:244 ;1;      ArrowFigure SubClassOf: origin[: origin] some Park[: Arrow]
15:244 ;2;      ArrowFigure EquivalentTo: Communication[: Figure] and origin[: origin] some Park[: Arrow]
32:643 ;4;      AtlasLanguage SubClassOf: inverse uses[: use] some Thing
5:606 ;2;      RevolverGun EquivalentTo: Pistol[: Revolver] and Gun[: Gun]
19:90 ;1;      RevolverGun EquivalentTo: Gun[: Gun] and startupOf[: partof] some Pistol[: Revolver]
19:90 ;1;      RevolverGun EquivalentTo: Gun[: Gun] and member[: memberof] some Pistol[: Revolver]
19:90 ;1;      RevolverGun EquivalentTo: Gun[: Gun] and startupOf[: part_of] some Pistol[: Revolver]
10:184 ;1;      WindProcess SubClassOf: inverse penetrates[: generates] some Wind[: Wind]
10:184 ;1;      WindProcess SubClassOf: inverse causes[: causes] some Wind[: Wind]
10:184 ;2;      WindProcess SubClassOf: inverse penetrates[: generates] some Thing
10:184 ;2;      WindProcess SubClassOf: inverse causes[: causes] some Thing
10:184 ;6;      WindProcess SubClassOf: Process[: Process] and  Opening[: cost]
10:184 ;6;      WindProcess SubClassOf: Process[: Process] and  Relation[: revenue]
10:184 ;6;      WindProcess SubClassOf: Process[: Process] and  Liability[: debt]
32:132 ;2;      WindProcess SubClassOf: inverse uses[: use] some Wind[: Wind]
32:132 ;4;      WindProcess SubClassOf: inverse uses[: use] some Thing
32:132 ;6;      WindProcess EquivalentTo: Process[: Process] and inverse uses[: use] some Wind[: Wind]
32:165 ;4;      DragonWeapon SubClassOf: inverse uses[: use] some Thing
13:201 ;1;      AerosolParticulate SubClassOf: Substance[: Particulate] and composer[: composed] some Cloud[: Aerosol]
5:141 ;2;      AerosolParticulate EquivalentTo: Cloud[: Aerosol] and Substance[: Particulate]
13:653 ;1;      SoftwareSystem SubClassOf: Artifact[: System] and composer[: composed] some Writing[: Software]
32:145 ;4;      AlgebraicEquation SubClassOf: inverse uses[: use] some Thing
32:625 ;2;      AutomaticApplication SubClassOf: inverse uses[: use] some AutomaticGun[: Automatic]
32:625 ;4;      AutomaticApplication SubClassOf: inverse uses[: use] some Thing
32:625 ;6;      AutomaticApplication EquivalentTo: Application[: Application] and inverse uses[: use] some AutomaticGun[: Automatic]
13:447 ;1;      SodiumChloride SubClassOf: Chlorine[: Chloride] and composer[: composed] some Sodium[: Sodium]
5:113 ;2;      TernaryPredicate EquivalentTo: Artery[: Ternary] and Predicate[: Predicate]
32:178 ;2;      RadioReceiver SubClassOf: inverse uses[: use] some Broadcasting[: Radio]
32:178 ;4;      RadioReceiver SubClassOf: inverse uses[: use] some Thing
```

```
32:178 ;6;    RadioReceiver EquivalentTo: Artifact[: Receiver] and inverse uses[: use] some Broadcasting[: Radio]
15:155 ;1;    RadioReceiver SubClassOf: origin[: origin] some Broadcasting[: Radio]
15:155 ;2;    RadioReceiver EquivalentTo: Artifact[: Receiver] and origin[: origin] some Broadcasting[: Radio]
32:472 ;4;    SkoLanguage SubClassOf: inverse uses[: use] some Thing
19:360 ;1;    TruckTractor EquivalentTo: Vehicle[: Tractor] and startupOf[: partof] some Truck[: Truck]
19:360 ;1;    TruckTractor EquivalentTo: Vehicle[: Tractor] and member[: memberof] some Truck[: Truck]
19:360 ;1;    TruckTractor EquivalentTo: Vehicle[: Tractor] and startupOf[: part_of] some Truck[: Truck]
5:102 ;2;    TruckTractor EquivalentTo: Truck[: Truck] and Vehicle[: Tractor]
13:269 ;1;    CommercialAgent SubClassOf: Agent[: Agent] and composer[: composed] some Advertising[: Commercial]
5:119 ;2;    CommercialAgent EquivalentTo: Advertising[: Commercial] and Agent[: Agent]
5:459 ;2;    PutOption EquivalentTo: Option[: Put] and Option[: Option]
10:122 ;1;    DataCompression SubClassOf: inverse penetrates[: generates] some Collection[: Data]
10:122 ;1;    DataCompression SubClassOf: inverse causes[: causes] some Collection[: Data]
10:122 ;2;    DataCompression SubClassOf: inverse penetrates[: generates] some Thing
10:122 ;2;    DataCompression SubClassOf: inverse causes[: causes] some Thing
10:122 ;6;    DataCompression SubClassOf: Commission[: Compression] and  Opening[: cost]
10:122 ;6;    DataCompression SubClassOf: Commission[: Compression] and  Relation[: revenue]
10:122 ;6;    DataCompression SubClassOf: Commission[: Compression] and  Liability[: debt]
32:124 ;2;    LandTransportation SubClassOf: inverse uses[: use] some Sand[: Land]
32:124 ;4;    LandTransportation SubClassOf: inverse uses[: use] some Thing
32:124 ;6;    LandTransportation EquivalentTo: Transportation[: Transportation] and inverse uses[: use] some Sand[: Land]
32:466 ;4;    ZamucoanLanguage SubClassOf: inverse uses[: use] some Thing
13:161 ;1;    OilPicture SubClassOf: Creation[: Picture] and composer[: composed] some Oil[: Oil]
5:541 ;2;    IndexOption EquivalentTo: Index[: Index] and Option[: Option]
1:911 ;3;    BinaryNumber EquivalentTo: inverse faxNumber[: hasNumber] some Star[: Binary]
10:212 ;1;    ConsolidationLoan SubClassOf: inverse penetrates[: generates] some ConsolidationLoan[: Consolidation]
10:212 ;1;    ConsolidationLoan SubClassOf: inverse causes[: causes] some ConsolidationLoan[: Consolidation]
10:212 ;2;    ConsolidationLoan SubClassOf: inverse penetrates[: generates] some Thing
10:212 ;2;    ConsolidationLoan SubClassOf: inverse causes[: causes] some Thing
10:212 ;6;    ConsolidationLoan SubClassOf: Loan[: Loan] and  Opening[: cost]
10:212 ;6;    ConsolidationLoan SubClassOf: Loan[: Loan] and  Relation[: revenue]
10:212 ;6;    ConsolidationLoan SubClassOf: Loan[: Loan] and  Liability[: debt]
19:170 ;1;    TieClothing EquivalentTo: Clothing[: Clothing] and startupOf[: partof] some Tide[: Tie]
19:170 ;1;    TieClothing EquivalentTo: Clothing[: Clothing] and member[: memberof] some Tide[: Tie]
19:170 ;1;    TieClothing EquivalentTo: Clothing[: Clothing] and startupOf[: part_of] some Tide[: Tie]
5:247 ;2;    ConductorSubstance EquivalentTo: Inductor[: Conductor] and Substance[: Substance]
5:172 ;2;    BeliefGroup EquivalentTo: Entity[: Belief] and Group[: Group]
14:436 ;1;    LittoralZone SubClassOf: Cone[: Zone] and contains[: contain] some Seacoast[: Littoral]
14:436 ;2;    LittoralZone SubClassOf: Cone[: Zone] and inverse relative[: live_at] some Seacoast[: Littoral]
14:436 ;2;    LittoralZone SubClassOf: Cone[: Zone] and inverse relative[: liveat] some Seacoast[: Littoral]
14:436 ;2;    LittoralZone SubClassOf: Cone[: Zone] and inverse moves[: place] some Seacoast[: Littoral]
14:436 ;2;    LittoralZone SubClassOf: Cone[: Zone] and inverse located[: locatedin] some Seacoast[: Littoral]
15:319 ;1;    LittoralZone SubClassOf: origin[: origin] some Seacoast[: Littoral]
15:319 ;2;    LittoralZone EquivalentTo: Cone[: Zone] and origin[: origin] some Seacoast[: Littoral]
5:176 ;2;    LittoralZone EquivalentTo: Seacoast[: Littoral] and Cone[: Zone]
32:524 ;2;    RadarReconnaissance SubClassOf: inverse uses[: use] some Radar[: Radar]
32:524 ;4;    RadarReconnaissance SubClassOf: inverse uses[: use] some Thing
32:524 ;6;    RadarReconnaissance EquivalentTo: AirReconnaissance[: Reconnaissance] and inverse uses[: use] some Radar[: Radar]
32:150 ;2;    BerberLanguage SubClassOf: inverse uses[: use] some Organism[: Berber]
32:150 ;4;    BerberLanguage SubClassOf: inverse uses[: use] some Thing
32:150 ;6;    BerberLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Organism[: Berber]
5:149 ;2;    BerberLanguage EquivalentTo: Organism[: Berber] and Language[: Language]
5:176 ;2;    ReferenceText EquivalentTo: Statement[: Reference] and Text[: Text]
13:212 ;1;    AnimalShell SubClassOf: Shelf[: Shell] and composer[: composed] some Animal[: Animal]
15:128 ;1;    AnimalShell SubClassOf: origin[: origin] some Animal[: Animal]
15:128 ;2;    AnimalShell EquivalentTo: Shelf[: Shell] and origin[: origin] some Animal[: Animal]
14:104 ;1;    AnimalShell SubClassOf: Shelf[: Shell] and contains[: contain] some Animal[: Animal]
14:104 ;2;    AnimalShell SubClassOf: Shelf[: Shell] and inverse moves[: place] some Animal[: Animal]
```

```
                                                                     out.normal.txt
14:104  ;2;      AnimalShell SubClassOf: Shelf[: Shell] and inverse located[: locatedin] some Animal[: Animal]
32:133  ;2;      StockSplit SubClassOf: inverse uses[: use] some Stock[: Stock]
32:133  ;4;      StockSplit SubClassOf: inverse uses[: use] some Thing
32:133  ;6;      StockSplit EquivalentTo: Meat[: Split] and inverse uses[: use] some Stock[: Stock]
32:182  ;4;      NpnTransistor SubClassOf: inverse uses[: use] some Thing
13:398  ;1;      ChemicalDecomposition SubClassOf: Science[: Decomposition] and composer[: composed] some Substance[: Chemical]
32:493  ;4;      HattamLanguage SubClassOf: inverse uses[: use] some Thing
5:794  ;2;      IdentifierPart EquivalentTo: Identifier[: Identifier] and Park[: Part]
14:344  ;1;      BodyJunction SubClassOf: Function[: Junction] and contains[: contain] some Boy[: Body]
14:344  ;2;      BodyJunction SubClassOf: Function[: Junction] and inverse relative[: live_at] some Boy[: Body]
14:344  ;2;      BodyJunction SubClassOf: Function[: Junction] and inverse relative[: liveat] some Boy[: Body]
14:344  ;2;      BodyJunction SubClassOf: Function[: Junction] and inverse moves[: place] some Boy[: Body]
14:344  ;2;      BodyJunction SubClassOf: Function[: Junction] and inverse located[: locatedin] some Boy[: Body]
10:263  ;1;      VibrioCholera SubClassOf: inverse penetrates[: generates] some Bacterium[: Vibrio]
10:263  ;1;      VibrioCholera SubClassOf: inverse causes[: causes] some Bacterium[: Vibrio]
10:263  ;2;      VibrioCholera SubClassOf: inverse penetrates[: generates] some Thing
10:263  ;2;      VibrioCholera SubClassOf: inverse causes[: causes] some Thing
10:263  ;6;      VibrioCholera SubClassOf: InfectiousDisease[: Cholera] and  Opening[: cost]
10:263  ;6;      VibrioCholera SubClassOf: InfectiousDisease[: Cholera] and  Relation[: revenue]
10:263  ;6;      VibrioCholera SubClassOf: InfectiousDisease[: Cholera] and  Liability[: debt]
15:245  ;1;      VibrioCholera SubClassOf: origin[: origin] some Bacterium[: Vibrio]
15:245  ;2;      VibrioCholera EquivalentTo: InfectiousDisease[: Cholera] and origin[: origin] some Bacterium[: Vibrio]
5:184  ;2;      ArrowProjectile EquivalentTo: Park[: Arrow] and Projectile[: Projectile]
15:138  ;1;      ArrowProjectile SubClassOf: origin[: origin] some Park[: Arrow]
15:138  ;2;      ArrowProjectile EquivalentTo: Projectile[: Projectile] and origin[: origin] some Park[: Arrow]
13:620  ;1;      PharmaceuticalProduct SubClassOf: Product[: Product] and composer[: composed] some Medicine[: Pharmaceutical]
5:212  ;2;      PharmaceuticalProduct EquivalentTo: Medicine[: Pharmaceutical] and Product[: Product]
19:678  ;1;      RefrigeratorCar EquivalentTo: Vehicle[: Car] and startupOf[: partof] some Refrigerator[: Refrigerator]
19:678  ;1;      RefrigeratorCar EquivalentTo: Vehicle[: Car] and member[: memberof] some Refrigerator[: Refrigerator]
19:678  ;1;      RefrigeratorCar EquivalentTo: Vehicle[: Car] and startupOf[: part_of] some Refrigerator[: Refrigerator]
5:116  ;2;      RefrigeratorCar EquivalentTo: Refrigerator[: Refrigerator] and Vehicle[: Car]
32:371  ;2;      CaddoanLanguage SubClassOf: inverse uses[: use] some NaturalLanguage[: Caddoan]
32:371  ;4;      CaddoanLanguage SubClassOf: inverse uses[: use] some Thing
32:371  ;6;      CaddoanLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some NaturalLanguage[: Caddoan]
15:109  ;1;      OpticalDisc SubClassOf: origin[: origin] some CallOption[: Optical]
15:109  ;2;      OpticalDisc EquivalentTo: Dish[: Disc] and origin[: origin] some CallOption[: Optical]
32:256  ;2;      ShipRegistration SubClassOf: inverse uses[: use] some Ship[: Ship]
32:256  ;4;      ShipRegistration SubClassOf: inverse uses[: use] some Thing
32:256  ;6;      ShipRegistration EquivalentTo: ShipRegistration[: Registration] and inverse uses[: use] some Ship[: Ship]
5:106  ;2;      DateFruit EquivalentTo: Quantity[: Date] and Fruit[: Fruit]
15:867  ;1;      ContinentalShelf SubClassOf: origin[: origin] some Continent[: Continental]
15:867  ;2;      ContinentalShelf EquivalentTo: Shelf[: Shelf] and origin[: origin] some Continent[: Continental]
13:929  ;1;      WoodArtifact SubClassOf: Artifact[: Artifact] and composer[: composed] some Wood[: Wood]
68:249  ;2;      RelaysDomain SubClassOf: Attribute[: Domain] and during[: during] only Relay[: Relays]
14:799  ;1;      LandArea SubClassOf: Urea[: Area] and contains[: contain] some Sand[: Land]
14:799  ;2;      LandArea SubClassOf: Urea[: Area] and inverse moves[: place] some Sand[: Land]
14:799  ;2;      LandArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Sand[: Land]
10:253  ;1;      VolcanicEruption SubClassOf: inverse penetrates[: generates] some Volcano[: Volcanic]
10:253  ;1;      VolcanicEruption SubClassOf: inverse causes[: causes] some Volcano[: Volcanic]
10:253  ;2;      VolcanicEruption SubClassOf: inverse penetrates[: generates] some Thing
10:253  ;2;      VolcanicEruption SubClassOf: inverse causes[: causes] some Thing
10:253  ;6;      VolcanicEruption SubClassOf: Equation[: Eruption] and  Opening[: cost]
10:253  ;6;      VolcanicEruption SubClassOf: Equation[: Eruption] and  Relation[: revenue]
10:253  ;6;      VolcanicEruption SubClassOf: Equation[: Eruption] and  Liability[: debt]
5:634  ;2;      WebSite EquivalentTo: Object[: Web] and GeographicArea[: Site]
14:125  ;1;      WebSite SubClassOf: GeographicArea[: Site] and contains[: contain] some Object[: Web]
14:125  ;2;      WebSite SubClassOf: GeographicArea[: Site] and inverse relative[: live_at] some Object[: Web]
14:125  ;2;      WebSite SubClassOf: GeographicArea[: Site] and inverse relative[: liveat] some Object[: Web]
```

```
14:125 ;2;    WebSite SubClassOf: GeographicArea[: Site] and inverse moves[: place] some Object[: Web]
14:125 ;2;    WebSite SubClassOf: GeographicArea[: Site] and inverse located[: locatedin] some Object[: Web]
10:243 ;2;    NonspecificDisease SubClassOf: inverse penetrates[: generates] some Thing
10:243 ;2;    NonspecificDisease SubClassOf: inverse causes[: causes] some Thing
32:222 ;2;    JointPublication SubClassOf: inverse uses[: use] some Thing[: Joint]
32:222 ;4;    JointPublication SubClassOf: inverse uses[: use] some Thing
32:222 ;6;    JointPublication EquivalentTo: Publication[: Publication] and inverse uses[: use] some Thing[: Joint]
15:146 ;1;    JointPublication SubClassOf: origin[: origin] some Thing[: Joint]
15:146 ;2;    JointPublication EquivalentTo: Publication[: Publication] and origin[: origin] some Thing[: Joint]
14:749 ;1;    PerimeterArea SubClassOf: Urea[: Area] and contains[: contain] some Sound[: Perimeter]
14:749 ;2;    PerimeterArea SubClassOf: Urea[: Area] and inverse moves[: place] some Sound[: Perimeter]
14:749 ;2;    PerimeterArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Sound[: Perimeter]
32:413 ;2;    ItalicLanguage SubClassOf: inverse uses[: use] some Sand[: Italic]
32:413 ;4;    ItalicLanguage SubClassOf: inverse uses[: use] some Thing
32:413 ;6;    ItalicLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Sand[: Italic]
99:101 ;4;    PerfumeEssence SubClassOf: measure[: measures] some Thing
14:854 ;1;    LowlandArea SubClassOf: Urea[: Area] and contains[: contain] some Object[: Lowland]
14:854 ;2;    LowlandArea SubClassOf: Urea[: Area] and inverse moves[: place] some Object[: Lowland]
14:854 ;2;    LowlandArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Object[: Lowland]
32:752 ;4;    TorricelliLanguage SubClassOf: inverse uses[: use] some Thing
15:870 ;1;    Gutrah SubClassOf: origin[: origin] some Organ[: Gut]
13:637 ;1;    CSGas SubClassOf: Process[: Gas] and composer[: composed] some Metal[: CS]
5:244 ;2;    WeatherFront EquivalentTo: Leather[: Weather] and Tide[: Front]
13:133 ;1;    WeatherFront SubClassOf: Tide[: Front] and composer[: composed] some Leather[: Weather]
99:100 ;1;    WeatherFront EquivalentTo: Tide[: Front] and measure[: measures] some Leather[: Weather]
99:100 ;3;    WeatherFront SubClassOf: measure[: measures] some Leather[: Weather]
99:100 ;4;    WeatherFront SubClassOf: measure[: measures] some Thing
13:218 ;1;    GunPowder SubClassOf: Powder[: Powder] and composer[: composed] some Gun[: Gun]
1:927 ;3;    EmployeeNumber EquivalentTo: inverse faxNumber[: hasNumber] some EmployeeID[: Employee]
10:400 ;1;    WaterWave SubClassOf: inverse penetrates[: generates] some Water[: Water]
10:400 ;1;    WaterWave SubClassOf: inverse causes[: causes] some Water[: Water]
10:400 ;2;    WaterWave SubClassOf: inverse penetrates[: generates] some Thing
10:400 ;2;    WaterWave SubClassOf: inverse causes[: causes] some Thing
10:400 ;6;    WaterWave SubClassOf: Cave[: Wave] and  Opening[: cost]
10:400 ;6;    WaterWave SubClassOf: Cave[: Wave] and  Relation[: revenue]
10:400 ;6;    WaterWave SubClassOf: Cave[: Wave] and  Liability[: debt]
14:211 ;1;    WaterWave SubClassOf: Cave[: Wave] and contains[: contain] some Water[: Water]
14:211 ;2;    WaterWave SubClassOf: Cave[: Wave] and inverse moves[: place] some Water[: Water]
14:211 ;2;    WaterWave SubClassOf: Cave[: Wave] and inverse located[: locatedin] some Water[: Water]
13:102 ;1;    WaterWave SubClassOf: Cave[: Wave] and composer[: composed] some Water[: Water]
15:221 ;1;    PalmOil SubClassOf: origin[: origin] some Urea[: Palm]
15:221 ;2;    PalmOil EquivalentTo: Oil[: Oil] and origin[: origin] some Urea[: Palm]
13:142 ;1;    PalmOil SubClassOf: Oil[: Oil] and composer[: composed] some Urea[: Palm]
13:749 ;1;    OakWood SubClassOf: Wood[: Wood] and composer[: composed] some Wood[: Oak]
15:879 ;1;    ForestProduct SubClassOf: origin[: origin] some Forest[: Forest]
15:879 ;2;    ForestProduct EquivalentTo: Product[: Product] and origin[: origin] some Forest[: Forest]
10:136 ;2;    PiggybankLoan SubClassOf: inverse penetrates[: generates] some Thing
10:136 ;2;    PiggybankLoan SubClassOf: inverse causes[: causes] some Thing
10:136 ;6;    PiggybankLoan SubClassOf: Loan[: Loan] and  Opening[: cost]
10:136 ;6;    PiggybankLoan SubClassOf: Loan[: Loan] and  Relation[: revenue]
10:136 ;6;    PiggybankLoan SubClassOf: Loan[: Loan] and  Liability[: debt]
5:284 ;2;    ElectricMotor EquivalentTo: Electron[: Electric] and Motor[: Motor]
19:187 ;1;    ElectricMotor EquivalentTo: Motor[: Motor] and startupOf[: partof] some Electron[: Electric]
19:187 ;1;    ElectricMotor EquivalentTo: Motor[: Motor] and startupOf[: part_of] some Electron[: Electric]
13:103 ;1;    AirTransportation SubClassOf: Transportation[: Transportation] and composer[: composed] some Air[: Air]
15:124 ;1;    SpaceTransportation SubClassOf: origin[: origin] some Spice[: Space]
15:124 ;2;    SpaceTransportation EquivalentTo: Transportation[: Transportation] and origin[: origin] some Spice[: Space]
15:292 ;1;    VehicleWheel SubClassOf: origin[: origin] some Vehicle[: Vehicle]
```

```
15:292 ;2;    VehicleWheel EquivalentTo: Wheel[: Wheel] and origin[: origin] some Vehicle[: Vehicle]
19:274 ;1;    VehicleWheel EquivalentTo: Wheel[: Wheel] and startupOf[: partof] some Vehicle[: Vehicle]
19:274 ;1;    VehicleWheel EquivalentTo: Wheel[: Wheel] and member[: memberof] some Vehicle[: Vehicle]
19:274 ;1;    VehicleWheel EquivalentTo: Wheel[: Wheel] and startupOf[: part_of] some Vehicle[: Vehicle]
32:107 ;2;    VehicleWheel SubClassOf: inverse uses[: use] some Vehicle[: Vehicle]
32:107 ;4;    VehicleWheel SubClassOf: inverse uses[: use] some Thing
32:107 ;6;    VehicleWheel EquivalentTo: Wheel[: Wheel] and inverse uses[: use] some Vehicle[: Vehicle]
13:279 ;1;    GumArabic SubClassOf: AfroAsiaticLanguage[: Arabic] and composer[: composed] some Nutrient[: Gum]
68:140 ;2;    GumArabic SubClassOf: AfroAsiaticLanguage[: Arabic] and during[: during] only Nutrient[: Gum]
5:199 ;2;    ExecutiveResidence EquivalentTo: Execution[: Executive] and Residence[: Residence]
5:112 ;2;    NullSet EquivalentTo: Bull[: Null] and Set[: Set]
14:185 ;1;    LemonFruit SubClassOf: Fruit[: Fruit] and contains[: contain] some Lemon[: Lemon]
14:185 ;2;    LemonFruit SubClassOf: Fruit[: Fruit] and inverse relative[: live_at] some Lemon[: Lemon]
14:185 ;2;    LemonFruit SubClassOf: Fruit[: Fruit] and inverse relative[: liveat] some Lemon[: Lemon]
14:185 ;2;    LemonFruit SubClassOf: Fruit[: Fruit] and inverse moves[: place] some Lemon[: Lemon]
14:185 ;2;    LemonFruit SubClassOf: Fruit[: Fruit] and inverse located[: locatedin] some Lemon[: Lemon]
32:403 ;2;    HokanLanguage SubClassOf: inverse uses[: use] some NaturalLanguage[: Hokan]
32:403 ;4;    HokanLanguage SubClassOf: inverse uses[: use] some Thing
32:403 ;6;    HokanLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some NaturalLanguage[: Hokan]
32:997 ;2;    MortarAttack SubClassOf: inverse uses[: use] some Mortar[: Mortar]
32:997 ;4;    MortarAttack SubClassOf: inverse uses[: use] some Thing
32:997 ;6;    MortarAttack EquivalentTo: Attack[: Attack] and inverse uses[: use] some Mortar[: Mortar]
15:151 ;1;    MultipoleModel SubClassOf: origin[: origin] some Multipole[: Multipole]
15:151 ;2;    MultipoleModel EquivalentTo: Model[: Model] and origin[: origin] some Multipole[: Multipole]
68:132 ;2;    MultipoleModel SubClassOf: Model[: Model] and during[: during] only Multipole[: Multipole]
5:100 ;2;    MultipoleModel EquivalentTo: Multipole[: Multipole] and Model[: Model]
15:113 ;1;    WebAddress SubClassOf: origin[: origin] some Object[: Web]
15:113 ;2;    WebAddress EquivalentTo: Address[: Address] and origin[: origin] some Object[: Web]
32:477 ;4;    NyimangLanguage SubClassOf: inverse uses[: use] some Thing
68:326 ;2;    SeriesResonance SubClassOf: Resonance[: Resonance] and during[: during] only Series[: Series]
14:181 ;1;    ClimateZone SubClassOf: Cone[: Zone] and contains[: contain] some Attribute[: Climate]
14:181 ;2;    ClimateZone SubClassOf: Cone[: Zone] and inverse relative[: live_at] some Attribute[: Climate]
14:181 ;2;    ClimateZone SubClassOf: Cone[: Zone] and inverse relative[: liveat] some Attribute[: Climate]
14:181 ;2;    ClimateZone SubClassOf: Cone[: Zone] and inverse moves[: place] some Attribute[: Climate]
14:181 ;2;    ClimateZone SubClassOf: Cone[: Zone] and inverse located[: locatedin] some Attribute[: Climate]
5:150 ;2;    ClimateZone EquivalentTo: Attribute[: Climate] and Cone[: Zone]
32:105 ;2;    GliderPlane SubClassOf: inverse uses[: use] some Aircraft[: Glider]
32:105 ;4;    GliderPlane SubClassOf: inverse uses[: use] some Thing
19:326 ;1;    CashewNut EquivalentTo: Nut[: Nut] and startupOf[: partof] some Tree[: Cashew]
19:326 ;1;    CashewNut EquivalentTo: Nut[: Nut] and member[: memberof] some Tree[: Cashew]
19:326 ;1;    CashewNut EquivalentTo: Nut[: Nut] and startupOf[: part_of] some Tree[: Cashew]
13:141 ;1;    CashewNut SubClassOf: Nut[: Nut] and composer[: composed] some Tree[: Cashew]
99:132 ;4;    GolgiApparatus SubClassOf: measure[: measures] some Thing
32:125 ;4;    GolgiApparatus SubClassOf: inverse uses[: use] some Thing
15:492 ;1;    SeaPort SubClassOf: origin[: origin] some Sea[: Sea]
15:492 ;2;    SeaPort EquivalentTo: Pork[: Port] and origin[: origin] some Sea[: Sea]
5:127 ;2;    SeaPort EquivalentTo: Sea[: Sea] and Pork[: Port]
15:232 ;1;    TelevisionSystem SubClassOf: origin[: origin] some television[: Television]
15:232 ;2;    TelevisionSystem EquivalentTo: Artifact[: System] and origin[: origin] some television[: Television]
10:133 ;1;    BodyMotion SubClassOf: inverse penetrates[: generates] some Boy[: Body]
10:133 ;1;    BodyMotion SubClassOf: inverse causes[: causes] some Boy[: Body]
10:133 ;2;    BodyMotion SubClassOf: inverse penetrates[: generates] some Thing
10:133 ;2;    BodyMotion SubClassOf: inverse causes[: causes] some Thing
10:133 ;6;    BodyMotion SubClassOf: Motion[: Motion] and  Opening[: cost]
10:133 ;6;    BodyMotion SubClassOf: Motion[: Motion] and  Relation[: revenue]
10:133 ;6;    BodyMotion SubClassOf: Motion[: Motion] and  Liability[: debt]
14:230 ;1;    CitrusFruit SubClassOf: Fruit[: Fruit] and contains[: contain] some Fruit[: Citrus]
14:230 ;2;    CitrusFruit SubClassOf: Fruit[: Fruit] and inverse relative[: live_at] some Fruit[: Citrus]
```

```
                                                        out.normal.txt
14:230 ;2;    CitrusFruit SubClassOf: Fruit[: Fruit] and inverse relative[: liveat] some Fruit[: Citrus]
14:230 ;2;    CitrusFruit SubClassOf: Fruit[: Fruit] and inverse moves[: place] some Fruit[: Citrus]
14:230 ;2;    CitrusFruit SubClassOf: Fruit[: Fruit] and inverse located[: locatedin] some Fruit[: Citrus]
68:203 ;2;    TransientPath SubClassOf: Fact[: Path] and during[: during] only Organism[: Transient]
32:422 ;4;    MatacoLanguage SubClassOf: inverse uses[: use] some Thing
32:442 ;4;    KatukinanLanguage SubClassOf: inverse uses[: use] some Thing
32:545 ;4;    KeresLanguage SubClassOf: inverse uses[: use] some Thing
99:102 ;1;    GolfManeuver EquivalentTo: Maneuver[: Maneuver] and measure[: measures] some Golf[: Golf]
99:102 ;3;    GolfManeuver SubClassOf: measure[: measures] some Golf[: Golf]
99:102 ;4;    GolfManeuver SubClassOf: measure[: measures] some Thing
15:711 ;1;    ShipCrew SubClassOf: origin[: origin] some Ship[: Ship]
15:711 ;2;    ShipCrew EquivalentTo: Organization[: Crew] and origin[: origin] some Ship[: Ship]
32:455 ;4;    HarakmbetLanguage SubClassOf: inverse uses[: use] some Thing
32:674 ;4;    BiochemicalAttack SubClassOf: inverse uses[: use] some Thing
10:177 ;1;    StockOption SubClassOf: inverse penetrates[: generates] some Stock[: Stock]
10:177 ;1;    StockOption SubClassOf: inverse causes[: causes] some Stock[: Stock]
10:177 ;2;    StockOption SubClassOf: inverse penetrates[: generates] some Thing
10:177 ;2;    StockOption SubClassOf: inverse causes[: causes] some Thing
10:177 ;6;    StockOption SubClassOf: Option[: Option] and  Opening[: cost]
10:177 ;6;    StockOption SubClassOf: Option[: Option] and  Relation[: revenue]
10:177 ;6;    StockOption SubClassOf: Option[: Option] and  Liability[: debt]
5:220 ;2;     OldTestament EquivalentTo: Mast[: Old] and Testament[: Testament]
32:470 ;4;    NambiquaranLanguage SubClassOf: inverse uses[: use] some Thing
10:154 ;2;    LinguisticExpression SubClassOf: inverse penetrates[: generates] some Thing
10:154 ;2;    LinguisticExpression SubClassOf: inverse causes[: causes] some Thing
10:154 ;6;    LinguisticExpression SubClassOf: Expressing[: Expression] and  Opening[: cost]
10:154 ;6;    LinguisticExpression SubClassOf: Expressing[: Expression] and  Relation[: revenue]
10:154 ;6;    LinguisticExpression SubClassOf: Expressing[: Expression] and  Liability[: debt]
13:969 ;1;    FatTissue SubClassOf: Tissue[: Tissue] and composer[: composed] some Fact[: Fat]
14:835 ;1;    PostcodeArea SubClassOf: Urea[: Area] and contains[: contain] some Postcode[: Postcode]
14:835 ;2;    PostcodeArea SubClassOf: Urea[: Area] and inverse moves[: place] some Postcode[: Postcode]
14:835 ;2;    PostcodeArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Postcode[: Postcode]
13:997 ;1;    ChemicalProduct SubClassOf: Product[: Product] and composer[: composed] some Substance[: Chemical]
32:385 ;4;    AltaicLanguage SubClassOf: inverse uses[: use] some Thing
5:337 ;2;     YamTuber EquivalentTo: Object[: Yam] and Tube[: Tuber]
13:126 ;1;    YamTuber SubClassOf: Tube[: Tuber] and composer[: composed] some Object[: Yam]
15:156 ;1;    MultipolePole SubClassOf: origin[: origin] some Multipole[: Multipole]
15:156 ;2;    MultipolePole EquivalentTo: Hole[: Pole] and origin[: origin] some Multipole[: Multipole]
32:265 ;2;    CushiticLanguage SubClassOf: inverse uses[: use] some AfroAsiaticLanguage[: Cushitic]
32:265 ;4;    CushiticLanguage SubClassOf: inverse uses[: use] some Thing
32:265 ;6;    CushiticLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some AfroAsiaticLanguage[: Cushitic]
32:207 ;2;    RomanceLanguage SubClassOf: inverse uses[: use] some Attribute[: Romance]
32:207 ;4;    RomanceLanguage SubClassOf: inverse uses[: use] some Thing
32:207 ;6;    RomanceLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Attribute[: Romance]
5:126 ;2;     RomanceLanguage EquivalentTo: Attribute[: Romance] and Language[: Language]
5:343 ;2;     ClostridiumBotulinum EquivalentTo: Bacterium[: Clostridium] and Bacterium[: Botulinum]
14:125 ;1;    RestaurantBuilding SubClassOf: Building[: Building] and contains[: contain] some Restaurant[: Restaurant]
14:125 ;2;    RestaurantBuilding SubClassOf: Building[: Building] and inverse moves[: place] some Restaurant[: Restaurant]
14:125 ;2;    RestaurantBuilding SubClassOf: Building[: Building] and inverse located[: locatedin] some Restaurant[: Restaurant]
32:328 ;2;    ShipRegister SubClassOf: inverse uses[: use] some Ship[: Ship]
32:328 ;4;    ShipRegister SubClassOf: inverse uses[: use] some Thing
32:328 ;6;    ShipRegister EquivalentTo: Residence[: Register] and inverse uses[: use] some Ship[: Ship]
13:882 ;1;    MetallicAlloy SubClassOf: Mixture[: Alloy] and composer[: composed] some Fabric[: Metallic]
19:934 ;1;    RailroadTrack EquivalentTo: Truck[: Track] and startupOf[: partof] some Wine[: Railroad]
19:934 ;1;    RailroadTrack EquivalentTo: Truck[: Track] and startupOf[: part_of] some Wine[: Railroad]
32:111 ;4;    DirectAssault SubClassOf: inverse uses[: use] some Thing
14:910 ;1;    ArchipelagicArea SubClassOf: Urea[: Area] and contains[: contain] some Archipelago[: Archipelagic]
14:910 ;2;    ArchipelagicArea SubClassOf: Urea[: Area] and inverse moves[: place] some Archipelago[: Archipelagic]
```

```
14:910 ;2;    ArchipelagicArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Archipelago[: Archipelagic]
13:365 ;1;    SewageDisposal SubClassOf: Attribute[: Disposal] and composer[: composed] some Sewage[: Sewage]
13:135 ;1;    WeatherSeason SubClassOf: Quantity[: Season] and composer[: composed] some Leather[: Weather]
10:131 ;1;    WeatherSeason SubClassOf: inverse penetrates[: generates] some Leather[: Weather]
10:131 ;1;    WeatherSeason SubClassOf: inverse causes[: causes] some Leather[: Weather]
10:131 ;2;    WeatherSeason SubClassOf: inverse penetrates[: generates] some Thing
10:131 ;2;    WeatherSeason SubClassOf: inverse causes[: causes] some Thing
10:131 ;6;    WeatherSeason SubClassOf: Quantity[: Season] and  Opening[: cost]
10:131 ;6;    WeatherSeason SubClassOf: Quantity[: Season] and  Relation[: revenue]
10:131 ;6;    WeatherSeason SubClassOf: Quantity[: Season] and  Liability[: debt]
32:169 ;4;    WinnebagoLanguage SubClassOf: inverse uses[: use] some Thing
15:121 ;1;    DirectionChange SubClassOf: origin[: origin] some Directing[: Direction]
15:121 ;2;    DirectionChange EquivalentTo: Entity[: Change] and origin[: origin] some Directing[: Direction]
13:264 ;1;    ChemicalSynthesis SubClassOf: ChemicalProcess[: Synthesis] and composer[: composed] some Substance[: Chemical]
10:239 ;1;    ChemicalSynthesis SubClassOf: inverse penetrates[: generates] some Substance[: Chemical]
10:239 ;1;    ChemicalSynthesis SubClassOf: inverse causes[: causes] some Substance[: Chemical]
10:239 ;2;    ChemicalSynthesis SubClassOf: inverse penetrates[: generates] some Thing
10:239 ;2;    ChemicalSynthesis SubClassOf: inverse causes[: causes] some Thing
10:239 ;6;    ChemicalSynthesis SubClassOf: ChemicalProcess[: Synthesis] and  Opening[: cost]
10:239 ;6;    ChemicalSynthesis SubClassOf: ChemicalProcess[: Synthesis] and  Relation[: revenue]
10:239 ;6;    ChemicalSynthesis SubClassOf: ChemicalProcess[: Synthesis] and  Liability[: debt]
32:130 ;2;    OpticalDevice SubClassOf: inverse uses[: use] some CallOption[: Optical]
32:130 ;4;    OpticalDevice SubClassOf: inverse uses[: use] some Thing
32:130 ;6;    OpticalDevice EquivalentTo: Device[: Device] and inverse uses[: use] some CallOption[: Optical]
15:172 ;1;    AltitudeMeasure SubClassOf: origin[: origin] some Latitude[: Altitude]
15:172 ;2;    AltitudeMeasure EquivalentTo: Measuring[: Measure] and origin[: origin] some Latitude[: Altitude]
5:120 ;2;     AltitudeMeasure EquivalentTo: Latitude[: Altitude] and Measuring[: Measure]
15:903 ;1;    DistrictID SubClassOf: origin[: origin] some DistrictID[: District]
15:970 ;1;    PrisonChapel SubClassOf: origin[: origin] some Prison[: Prison]
15:970 ;2;    PrisonChapel EquivalentTo: Building[: Chapel] and origin[: origin] some Prison[: Prison]
32:399 ;4;    AllemannicLanguage SubClassOf: inverse uses[: use] some Thing
15:515 ;1;    ShipDeck SubClassOf: origin[: origin] some Ship[: Ship]
68:115 ;2;    SpringSeason SubClassOf: Quantity[: Season] and during[: during] only Spring[: Spring]
68:128 ;2;    MultipoleModeling SubClassOf: Modeling[: Modeling] and during[: during] only Multipole[: Multipole]
32:771 ;2;    ChemicalAttack SubClassOf: inverse uses[: use] some Substance[: Chemical]
32:771 ;4;    ChemicalAttack SubClassOf: inverse uses[: use] some Thing
32:771 ;6;    ChemicalAttack EquivalentTo: Attack[: Attack] and inverse uses[: use] some Substance[: Chemical]
13:110 ;1;    ChemicalAttack SubClassOf: Attack[: Attack] and composer[: composed] some Substance[: Chemical]
14:158 ;1;    TimePosition SubClassOf: Position[: Position] and contains[: contain] some Lime[: Time]
14:158 ;2;    TimePosition SubClassOf: Position[: Position] and inverse relative[: live_at] some Lime[: Time]
14:158 ;2;    TimePosition SubClassOf: Position[: Position] and inverse relative[: liveat] some Lime[: Time]
14:158 ;2;    TimePosition SubClassOf: Position[: Position] and inverse moves[: place] some Lime[: Time]
14:158 ;2;    TimePosition SubClassOf: Position[: Position] and inverse located[: locatedin] some Lime[: Time]
68:135 ;2;    TimePosition SubClassOf: Position[: Position] and during[: during] only Lime[: Time]
32:644 ;4;    MadeiraLanguage SubClassOf: inverse uses[: use] some Thing
15:317 ;1;    HospitalOrganization SubClassOf: origin[: origin] some Building[: Hospital]
15:317 ;2;    HospitalOrganization EquivalentTo: Organization[: Organization] and origin[: origin] some Building[: Hospital]
32:472 ;4;    TobaruLanguage SubClassOf: inverse uses[: use] some Thing
15:745 ;1;    ComputerPassword SubClassOf: origin[: origin] some Computer[: Computer]
15:745 ;2;    ComputerPassword EquivalentTo: Passport[: Password] and origin[: origin] some Computer[: Computer]
19:390 ;1;    BodyPart EquivalentTo: Park[: Part] and startupOf[: partof] some Boy[: Body]
19:390 ;1;    BodyPart EquivalentTo: Park[: Part] and startupOf[: part_of] some Boy[: Body]
13:175 ;1;    BodyPart SubClassOf: Park[: Part] and composer[: composed] some Boy[: Body]
5:620 ;2;     FetTransistor EquivalentTo: Transistor[: Fet] and Transistor[: Transistor]
32:114 ;2;    FetTransistor SubClassOf: inverse uses[: use] some Transistor[: Fet]
32:114 ;4;    FetTransistor SubClassOf: inverse uses[: use] some Thing
32:114 ;6;    FetTransistor EquivalentTo: Transistor[: Transistor] and inverse uses[: use] some Transistor[: Fet]
15:132 ;1;    JointForces SubClassOf: origin[: origin] some Thing[: Joint]
```

```
32:764 ;2;    ComputerUser SubClassOf: inverse uses[: use] some Computer[: Computer]
32:764 ;4;    ComputerUser SubClassOf: inverse uses[: use] some Thing
32:764 ;6;    ComputerUser EquivalentTo: Organism[: User] and inverse uses[: use] some Computer[: Computer]
32:469 ;4;    PamanLanguage SubClassOf: inverse uses[: use] some Thing
19:182 ;1;    DriveComponent EquivalentTo: Election[: Component] and startupOf[: partof] some Fact[: Drive]
19:182 ;1;    DriveComponent EquivalentTo: Election[: Component] and member[: memberof] some Fact[: Drive]
19:182 ;1;    DriveComponent EquivalentTo: Election[: Component] and startupOf[: part_of] some Fact[: Drive]
13:716 ;1;    DustStorm SubClassOf: Store[: Storm] and composer[: composed] some Substance[: Dust]
5:101 ;2;    NationalFlag EquivalentTo: Nation[: National] and Flag[: Flag]
32:391 ;2;    GermanicLanguage SubClassOf: inverse uses[: use] some Germanium[: Germanic]
32:391 ;4;    GermanicLanguage SubClassOf: inverse uses[: use] some Thing
32:391 ;6;    GermanicLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Germanium[: Germanic]
13:890 ;1;    AluminumMetal SubClassOf: Metal[: Metal] and composer[: composed] some Aluminum[: Aluminum]
5:312 ;2;    BargainSale EquivalentTo: Agreement[: Bargain] and Sales[: Sale]
15:118 ;1;    FinancialDefault SubClassOf: origin[: origin] some Financing[: Financial]
15:118 ;2;    FinancialDefault EquivalentTo: Moss[: Default] and origin[: origin] some Financing[: Financial]
10:113 ;1;    FinancialDefault SubClassOf: inverse penetrates[: generates] some Financing[: Financial]
10:113 ;1;    FinancialDefault SubClassOf: inverse causes[: causes] some Financing[: Financial]
10:113 ;2;    FinancialDefault SubClassOf: inverse penetrates[: generates] some Thing
10:113 ;2;    FinancialDefault SubClassOf: inverse causes[: causes] some Thing
10:113 ;6;    FinancialDefault SubClassOf: Moss[: Default] and  Opening[: cost]
10:113 ;6;    FinancialDefault SubClassOf: Moss[: Default] and  Relation[: revenue]
10:113 ;6;    FinancialDefault SubClassOf: Moss[: Default] and  Liability[: debt]
13:861 ;1;    IronMetal SubClassOf: Metal[: Metal] and composer[: composed] some Iron[: Iron]
5:990 ;2;    IndependentState EquivalentTo: Organism[: Independent] and Region[: State]
15:181 ;1;    CityBlock SubClassOf: origin[: origin] some City[: City]
15:181 ;2;    CityBlock EquivalentTo: Clock[: Block] and origin[: origin] some City[: City]
13:120 ;1;    BloodVessel SubClassOf: Tube[: Vessel] and composer[: composed] some Blood[: Blood]
32:695 ;2;    HandgrenadeAttack SubClassOf: inverse uses[: use] some HandGrenade[: Handgrenade]
32:695 ;4;    HandgrenadeAttack SubClassOf: inverse uses[: use] some Thing
32:695 ;6;    HandgrenadeAttack EquivalentTo: Attack[: Attack] and inverse uses[: use] some HandGrenade[: Handgrenade]
32:917 ;2;    CarBombing SubClassOf: inverse uses[: use] some Vehicle[: Car]
32:917 ;4;    CarBombing SubClassOf: inverse uses[: use] some Thing
32:917 ;6;    CarBombing EquivalentTo: Bombing[: Bombing] and inverse uses[: use] some Vehicle[: Car]
13:239 ;1;    GrassFire SubClassOf: Fire[: Fire] and composer[: composed] some Grass[: Grass]
15:516 ;1;    PituitaryGland SubClassOf: origin[: origin] some Gland[: Pituitary]
15:516 ;2;    PituitaryGland EquivalentTo: Gland[: Gland] and origin[: origin] some Gland[: Pituitary]
13:107 ;1;    PituitaryGland SubClassOf: Gland[: Gland] and composer[: composed] some Gland[: Pituitary]
15:91 ;1;    HairRemoval SubClassOf: origin[: origin] some Hair[: Hair]
15:91 ;2;    HairRemoval EquivalentTo: Fact[: Removal] and origin[: origin] some Hair[: Hair]
13:734 ;1;    CyanogenChloride SubClassOf: Chlorine[: Chloride] and composer[: composed] some PhysicalQuantity[: Cyanogen]
32:112 ;2;    WaterOverutilization SubClassOf: inverse uses[: use] some Water[: Water]
32:112 ;4;    WaterOverutilization SubClassOf: inverse uses[: use] some Thing
32:112 ;6;    WaterOverutilization EquivalentTo: WaterOverutilization[: Overutilization] and inverse uses[: use] some Water[: Water]
32:466 ;4;    ZaparoanLanguage SubClassOf: inverse uses[: use] some Thing
99:731 ;1;    PerformanceMeasure EquivalentTo: Measuring[: Measure] and measure[: measures] some Performance[: Performance]
99:731 ;3;    PerformanceMeasure SubClassOf: measure[: measures] some Performance[: Performance]
99:731 ;4;    PerformanceMeasure SubClassOf: measure[: measures] some Thing
15:124 ;1;    GraphLoop SubClassOf: origin[: origin] some Graph[: Graph]
15:124 ;2;    GraphLoop EquivalentTo: Listening[: Loop] and origin[: origin] some Graph[: Graph]
5:121 ;2;    GraphLoop EquivalentTo: Graph[: Graph] and Listening[: Loop]
68:107 ;2;    EnvelopedVirus SubClassOf: Virus[: Virus] and during[: during] only Envelope[: Enveloped]
15:209 ;1;    ConsulateGeneral SubClassOf: origin[: origin] some Consulate[: Consulate]
15:209 ;2;    ConsulateGeneral EquivalentTo: MilitaryOfficer[: General] and origin[: origin] some Consulate[: Consulate]
2:196 ;4;    ConsulateGeneral SubClassOf: Consulate[: Consulate] and MilitaryOfficer[: General]
13:185 ;1;    StringInstrument SubClassOf: Device[: Instrument] and composer[: composed] some String[: String]
5:113 ;2;    StringInstrument EquivalentTo: String[: String] and Device[: Instrument]
5:531 ;2;    CondominiumBuilding EquivalentTo: Smelling[: Condominium] and Building[: Building]
```

```
                                                        out.normal.txt
14:158 ;1;      CondominiumBuilding SubClassOf: Building[: Building] and contains[: contain] some Smelling[: Condominium]
14:158 ;2;      CondominiumBuilding SubClassOf: Building[: Building] and inverse moves[: place] some Smelling[: Condominium]
14:158 ;2;      CondominiumBuilding SubClassOf: Building[: Building] and inverse located[: locatedin] some Smelling[: Condominium]
13:912 ;1;      BeverageProduct SubClassOf: Product[: Product] and composer[: composed] some Beverage[: Beverage]
10:318 ;1;      AnimalLanguage SubClassOf: inverse penetrates[: generates] some Animal[: Animal]
10:318 ;1;      AnimalLanguage SubClassOf: inverse causes[: causes] some Animal[: Animal]
10:318 ;2;      AnimalLanguage SubClassOf: inverse penetrates[: generates] some Thing
10:318 ;2;      AnimalLanguage SubClassOf: inverse causes[: causes] some Thing
10:318 ;6;      AnimalLanguage SubClassOf: Language[: Language] and  Opening[: cost]
10:318 ;6;      AnimalLanguage SubClassOf: Language[: Language] and  Relation[: revenue]
10:318 ;6;      AnimalLanguage SubClassOf: Language[: Language] and  Liability[: debt]
32:91 ;2;      AnimalLanguage SubClassOf: inverse uses[: use] some Animal[: Animal]
32:91 ;4;      AnimalLanguage SubClassOf: inverse uses[: use] some Thing
32:91 ;6;      AnimalLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Animal[: Animal]
15:408 ;1;      OccupationalRole SubClassOf: origin[: origin] some OccupationalRole[: Occupational]
15:408 ;2;      OccupationalRole EquivalentTo: Hole[: Role] and origin[: origin] some OccupationalRole[: Occupational]
32:326 ;2;      WingDevice SubClassOf: inverse uses[: use] some Wing[: Wing]
32:326 ;4;      WingDevice SubClassOf: inverse uses[: use] some Thing
32:326 ;6;      WingDevice EquivalentTo: Device[: Device] and inverse uses[: use] some Wing[: Wing]
15:131 ;1;      WingDevice SubClassOf: origin[: origin] some Wing[: Wing]
15:131 ;2;      WingDevice EquivalentTo: Device[: Device] and origin[: origin] some Wing[: Wing]
13:252 ;1;      RootLocus SubClassOf: Locust[: Locus] and composer[: composed] some Room[: Root]
15:228 ;1;      RootLocus SubClassOf: origin[: origin] some Room[: Root]
15:228 ;2;      RootLocus EquivalentTo: Locust[: Locus] and origin[: origin] some Room[: Root]
14:167 ;1;      RootLocus SubClassOf: Locust[: Locus] and contains[: contain] some Room[: Root]
14:167 ;2;      RootLocus SubClassOf: Locust[: Locus] and inverse moves[: place] some Room[: Root]
14:167 ;2;      RootLocus SubClassOf: Locust[: Locus] and inverse located[: locatedin] some Room[: Root]
15:976 ;1;      OceanLiner SubClassOf: origin[: origin] some Ocean[: Ocean]
15:976 ;2;      OceanLiner EquivalentTo: Liver[: Liner] and origin[: origin] some Ocean[: Ocean]
13:914 ;1;      FishMeat SubClassOf: Meat[: Meat] and composer[: composed] some Fish[: Fish]
13:557 ;1;      OvercastWeather SubClassOf: Leather[: Weather] and composer[: composed] some Leather[: Overcast]
5:131 ;2;      OvercastWeather EquivalentTo: Leather[: Overcast] and Leather[: Weather]
10:105 ;1;      OvercastWeather SubClassOf: inverse penetrates[: generates] some Leather[: Overcast]
10:105 ;1;      OvercastWeather SubClassOf: inverse causes[: causes] some Leather[: Overcast]
10:105 ;2;      OvercastWeather SubClassOf: inverse penetrates[: generates] some Thing
10:105 ;2;      OvercastWeather SubClassOf: inverse causes[: causes] some Thing
10:105 ;6;      OvercastWeather SubClassOf: Leather[: Weather] and  Opening[: cost]
10:105 ;6;      OvercastWeather SubClassOf: Leather[: Weather] and  Relation[: revenue]
10:105 ;6;      OvercastWeather SubClassOf: Leather[: Weather] and  Liability[: debt]
15:261 ;1;      GreenhouseGas SubClassOf: origin[: origin] some GreenhouseGas[: Greenhouse]
15:261 ;2;      GreenhouseGas EquivalentTo: Process[: Gas] and origin[: origin] some GreenhouseGas[: Greenhouse]
5:136 ;2;      GreenhouseGas EquivalentTo: GreenhouseGas[: Greenhouse] and Process[: Gas]
15:899 ;1;      ComputerData SubClassOf: origin[: origin] some Computer[: Computer]
13:141 ;1;      BrownCoal SubClassOf: Coal[: Coal] and composer[: composed] some Coloring[: Brown]
13:551 ;1;      AirPollution SubClassOf: Pollution[: Pollution] and composer[: composed] some Air[: Air]
15:376 ;1;      AirPollution SubClassOf: origin[: origin] some Air[: Air]
15:376 ;2;      AirPollution EquivalentTo: Pollution[: Pollution] and origin[: origin] some Air[: Air]
10:104 ;2;      LegalCharge SubClassOf: inverse penetrates[: generates] some Thing
10:104 ;2;      LegalCharge SubClassOf: inverse causes[: causes] some Thing
10:104 ;6;      LegalCharge SubClassOf: Attack[: Charge] and  Opening[: cost]
10:104 ;6;      LegalCharge SubClassOf: Attack[: Charge] and  Relation[: revenue]
10:104 ;6;      LegalCharge SubClassOf: Attack[: Charge] and  Liability[: debt]
5:553 ;2;      ArcticRegion EquivalentTo: Narcotic[: Arctic] and Region[: Region]
14:345 ;1;      ArcticRegion SubClassOf: Region[: Region] and contains[: contain] some Narcotic[: Arctic]
14:345 ;2;      ArcticRegion SubClassOf: Region[: Region] and inverse moves[: place] some Narcotic[: Arctic]
14:345 ;2;      ArcticRegion SubClassOf: Region[: Region] and inverse located[: locatedin] some Narcotic[: Arctic]
13:928 ;1;      LambMeat SubClassOf: Meat[: Meat] and composer[: composed] some Lamb[: Lamb]
14:901 ;1;      InternationalBorder SubClassOf: Sound[: Border] and contains[: contain] some Group[: International]
```

```
14:901 ;2;    InternationalBorder SubClassOf: Sound[: Border] and inverse moves[: place] some Group[: International]
14:901 ;2;    InternationalBorder SubClassOf: Sound[: Border] and inverse located[: locatedin] some Group[: International]
5:395 ;2;    PersonalWatercraft EquivalentTo: PersonID[: Personal] and Liability[: Watercraft]
15:208 ;1;    WebDocument SubClassOf: origin[: origin] some Object[: Web]
15:208 ;2;    WebDocument EquivalentTo: Document[: Document] and origin[: origin] some Object[: Web]
14:191 ;1;    HopperDredger SubClassOf: Dredger[: Dredger] and contains[: contain] some Copper[: Hopper]
14:191 ;2;    HopperDredger SubClassOf: Dredger[: Dredger] and inverse moves[: place] some Copper[: Hopper]
14:191 ;2;    HopperDredger SubClassOf: Dredger[: Dredger] and inverse located[: locatedin] some Copper[: Hopper]
5:136 ;2;    HopperDredger EquivalentTo: Copper[: Hopper] and Dredger[: Dredger]
32:119 ;2;    HopperDredger SubClassOf: inverse uses[: use] some Copper[: Hopper]
32:119 ;4;    HopperDredger SubClassOf: inverse uses[: use] some Thing
32:119 ;6;    HopperDredger EquivalentTo: Dredger[: Dredger] and inverse uses[: use] some Copper[: Hopper]
15:883 ;1;    TerminalGuidance SubClassOf: origin[: origin] some Terminal[: Terminal]
15:883 ;2;    TerminalGuidance EquivalentTo: Message[: Guidance] and origin[: origin] some Terminal[: Terminal]
13:975 ;1;    ZincOre SubClassOf: Mineral[: Ore] and composer[: composed] some Zinc[: Zinc]
5:418 ;2;    DigitAppendage EquivalentTo: Integer[: Digit] and Thing[: Appendage]
32:368 ;2;    AirportClassification SubClassOf: inverse uses[: use] some Airport[: Airport]
32:368 ;4;    AirportClassification SubClassOf: inverse uses[: use] some Thing
32:368 ;6;    AirportClassification EquivalentTo: Ossification[: Classification] and inverse uses[: use] some Airport[: Airport]
15:232 ;1;    AirportClassification SubClassOf: origin[: origin] some Airport[: Airport]
15:232 ;2;    AirportClassification EquivalentTo: Ossification[: Classification] and origin[: origin] some Airport[: Airport]
15:128 ;1;    PersonalAdornment SubClassOf: origin[: origin] some PersonID[: Personal]
15:128 ;2;    PersonalAdornment EquivalentTo: Artifact[: Adornment] and origin[: origin] some PersonID[: Personal]
5:123 ;2;    PersonalAdornment EquivalentTo: PersonID[: Personal] and Artifact[: Adornment]
13:97 ;1;    PersonalAdornment SubClassOf: Artifact[: Adornment] and composer[: composed] some PersonID[: Personal]
32:470 ;4;    AruanLanguage SubClassOf: inverse uses[: use] some Thing
32:162 ;2;    ReceiverDevice SubClassOf: inverse uses[: use] some Artifact[: Receiver]
32:162 ;4;    ReceiverDevice SubClassOf: inverse uses[: use] some Thing
32:162 ;6;    ReceiverDevice EquivalentTo: Device[: Device] and inverse uses[: use] some Artifact[: Receiver]
19:191 ;1;    VehicleTire EquivalentTo: Wire[: Tire] and startupOf[: partof] some Vehicle[: Vehicle]
19:191 ;1;    VehicleTire EquivalentTo: Wire[: Tire] and member[: memberof] some Vehicle[: Vehicle]
19:191 ;1;    VehicleTire EquivalentTo: Wire[: Tire] and startupOf[: part_of] some Vehicle[: Vehicle]
15:145 ;1;    VehicleTire SubClassOf: origin[: origin] some Vehicle[: Vehicle]
15:145 ;2;    VehicleTire EquivalentTo: Wire[: Tire] and origin[: origin] some Vehicle[: Vehicle]
14:92 ;1;    VehicleTire SubClassOf: Wire[: Tire] and contains[: contain] some Vehicle[: Vehicle]
14:92 ;2;    VehicleTire SubClassOf: Wire[: Tire] and inverse moves[: place] some Vehicle[: Vehicle]
14:92 ;2;    VehicleTire SubClassOf: Wire[: Tire] and inverse located[: locatedin] some Vehicle[: Vehicle]
10:146 ;1;    LoanCommitment SubClassOf: inverse penetrates[: generates] some Loan[: Loan]
10:146 ;1;    LoanCommitment SubClassOf: inverse causes[: causes] some Loan[: Loan]
10:146 ;2;    LoanCommitment SubClassOf: inverse penetrates[: generates] some Thing
10:146 ;2;    LoanCommitment SubClassOf: inverse causes[: causes] some Thing
10:146 ;6;    LoanCommitment SubClassOf: Compartment[: Commitment] and  Opening[: cost]
10:146 ;6;    LoanCommitment SubClassOf: Compartment[: Commitment] and  Relation[: revenue]
10:146 ;6;    LoanCommitment SubClassOf: Compartment[: Commitment] and  Liability[: debt]
32:592 ;2;    RailVehicle SubClassOf: inverse uses[: use] some Nail[: Rail]
32:592 ;4;    RailVehicle SubClassOf: inverse uses[: use] some Thing
32:592 ;6;    RailVehicle EquivalentTo: Vehicle[: Vehicle] and inverse uses[: use] some Nail[: Rail]
15:168 ;1;    RailVehicle SubClassOf: origin[: origin] some Nail[: Rail]
15:168 ;2;    RailVehicle EquivalentTo: Vehicle[: Vehicle] and origin[: origin] some Nail[: Rail]
15:339 ;1;    ShipCabin SubClassOf: origin[: origin] some Ship[: Ship]
15:339 ;2;    ShipCabin EquivalentTo: Compartment[: Cabin] and origin[: origin] some Ship[: Ship]
19:288 ;1;    ShipCabin EquivalentTo: Compartment[: Cabin] and startupOf[: partof] some Ship[: Ship]
19:288 ;1;    ShipCabin EquivalentTo: Compartment[: Cabin] and member[: memberof] some Ship[: Ship]
19:288 ;1;    ShipCabin EquivalentTo: Compartment[: Cabin] and startupOf[: part_of] some Ship[: Ship]
10:369 ;1;    BirdEgg SubClassOf: inverse penetrates[: generates] some Bird[: Bird]
10:369 ;1;    BirdEgg SubClassOf: inverse causes[: causes] some Bird[: Bird]
10:369 ;2;    BirdEgg SubClassOf: inverse penetrates[: generates] some Thing
10:369 ;2;    BirdEgg SubClassOf: inverse causes[: causes] some Thing
```

```
10:369 ;6;      BirdEgg SubClassOf: Egg[: Egg] and  Opening[: cost]
10:369 ;6;      BirdEgg SubClassOf: Egg[: Egg] and  Relation[: revenue]
10:369 ;6;      BirdEgg SubClassOf: Egg[: Egg] and  Liability[: debt]
15:726 ;1;      PalmKernel SubClassOf: origin[: origin] some Urea[: Palm]
15:726 ;2;      PalmKernel EquivalentTo: Object[: Kernel] and origin[: origin] some Urea[: Palm]
15:849 ;1;      PalmSunday SubClassOf: origin[: origin] some Urea[: Palm]
15:849 ;2;      PalmSunday EquivalentTo: Sunday[: Sunday] and origin[: origin] some Urea[: Palm]
10:136 ;1;      BusinessCompetition SubClassOf: inverse penetrates[: generates] some Business[: Business]
10:136 ;1;      BusinessCompetition SubClassOf: inverse causes[: causes] some Business[: Business]
10:136 ;2;      BusinessCompetition SubClassOf: inverse penetrates[: generates] some Thing
10:136 ;2;      BusinessCompetition SubClassOf: inverse causes[: causes] some Thing
10:136 ;6;      BusinessCompetition SubClassOf: Relation[: Competition] and  Opening[: cost]
10:136 ;6;      BusinessCompetition SubClassOf: Relation[: Competition] and  Relation[: revenue]
10:136 ;6;      BusinessCompetition SubClassOf: Relation[: Competition] and  Liability[: debt]
32:473 ;2;      QuechuanLanguage SubClassOf: inverse uses[: use] some NaturalLanguage[: Quechuan]
32:473 ;4;      QuechuanLanguage SubClassOf: inverse uses[: use] some Thing
32:473 ;6;      QuechuanLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some NaturalLanguage[: Quechuan]
13:993 ;1;      HempFiber SubClassOf: Substance[: Fiber] and composer[: composed] some PlantSubstance[: Hemp]
15:734 ;1;      TerritoryCode SubClassOf: origin[: origin] some TerritoryID[: Territory]
15:734 ;1;      TerritoryCode EquivalentTo: Cone[: Code] and origin[: origin] some TerritoryID[: Territory]
13:800 ;1;      BalsaWood SubClassOf: Wood[: Wood] and composer[: composed] some Wood[: Balsa]
2:577 ;3;      SunniMuslim SubClassOf: Muslim[: Sunni] and Muslim[: Muslim] and Human[: human]
5:385 ;2;      SunniMuslim EquivalentTo: Muslim[: Sunni] and Muslim[: Muslim]
15:542 ;1;      BoatDeck SubClassOf: origin[: origin] some Coat[: Boat]
32:147 ;4;      BesselsEquation SubClassOf: inverse uses[: use] some Thing
15:754 ;1;      AirReconnaissance SubClassOf: origin[: origin] some Air[: Air]
15:754 ;2;      AirReconnaissance EquivalentTo: AirReconnaissance[: Reconnaissance] and origin[: origin] some Air[: Air]
15:134 ;1;      BumbleBee SubClassOf: origin[: origin] some Bubble[: Bumble]
15:134 ;2;      BumbleBee EquivalentTo: Bee[: Bee] and origin[: origin] some Bubble[: Bumble]
68:98 ;2;      BumbleBee SubClassOf: Bee[: Bee] and during[: during] only Bubble[: Bumble]
5:92 ;2;     BumbleBee EquivalentTo: Bubble[: Bumble] and Bee[: Bee]
32:513 ;4;      BiochemicalWeapon SubClassOf: inverse uses[: use] some Thing
68:994 ;2;      NightTime SubClassOf: Lime[: Time] and during[: during] only Quantity[: Night]
5:251 ;2;      TerritorialSea EquivalentTo: TerritorialSea[: Territorial] and Sea[: Sea]
2:165 ;3;      TerritorialSea SubClassOf: TerritorialSea[: Territorial] and Sea[: Sea] and Human[: human]
2:165 ;4;      TerritorialSea SubClassOf: TerritorialSea[: Territorial] and Sea[: Sea]
99:117 ;4;      VariolaMinor SubClassOf: measure[: measures] some Thing
32:102 ;2;      ComputerPath SubClassOf: inverse uses[: use] some Computer[: Computer]
32:102 ;4;      ComputerPath SubClassOf: inverse uses[: use] some Thing
32:102 ;6;      ComputerPath EquivalentTo: Fact[: Path] and inverse uses[: use] some Computer[: Computer]
32:133 ;2;      TelephoneLine SubClassOf: inverse uses[: use] some Telephone[: Telephone]
32:133 ;4;      TelephoneLine SubClassOf: inverse uses[: use] some Thing
32:133 ;6;      TelephoneLine EquivalentTo: Wine[: Line] and inverse uses[: use] some Telephone[: Telephone]
32:443 ;4;      TotonacanLanguage SubClassOf: inverse uses[: use] some Thing
32:452 ;4;      YukaghirLanguage SubClassOf: inverse uses[: use] some Thing
5:999 ;2;      HostNation EquivalentTo: Organism[: Host] and Nation[: Nation]
10:127 ;1;      BaseballSteal SubClassOf: inverse penetrates[: generates] some Baseball[: Baseball]
10:127 ;1;      BaseballSteal SubClassOf: inverse causes[: causes] some Baseball[: Baseball]
10:127 ;2;      BaseballSteal SubClassOf: inverse penetrates[: generates] some Thing
10:127 ;2;      BaseballSteal SubClassOf: inverse causes[: causes] some Thing
10:127 ;6;      BaseballSteal SubClassOf: Steel[: Steal] and  Opening[: cost]
10:127 ;6;      BaseballSteal SubClassOf: Steel[: Steal] and  Relation[: revenue]
10:127 ;6;      BaseballSteal SubClassOf: Steel[: Steal] and  Liability[: debt]
32:874 ;2;      SuicideBombing SubClassOf: inverse uses[: use] some Suicide[: Suicide]
32:874 ;4;      SuicideBombing SubClassOf: inverse uses[: use] some Thing
32:874 ;6;      SuicideBombing EquivalentTo: Bombing[: Bombing] and inverse uses[: use] some Suicide[: Suicide]
32:399 ;4;      AlemannicLanguage SubClassOf: inverse uses[: use] some Thing
5:444 ;2;     CodeMap EquivalentTo: Cone[: Code] and Map[: Map]
```

```
                                           out.normal.txt
13:904 ;1;     BloodCell SubClassOf: Cell[: Cell] and composer[: composed] some Blood[: Blood]
13:740 ;1;     PlasmaMembrane SubClassOf: Artifact[: Membrane] and composer[: composed] some LiquidBodySubstance[: Plasma]
13:981 ;1;     WoolFiber SubClassOf: Substance[: Fiber] and composer[: composed] some Wool[: Wool]
5:113 ;2;    CommercialUnit EquivalentTo: Advertising[: Commercial] and InfiniteQuantity[: Unit]
32:472 ;4;     KhandesiLanguage SubClassOf: inverse uses[: use] some Thing
15:632 ;1;     WaterBuffalo SubClassOf: origin[: origin] some Water[: Water]
32:284 ;2;     PashtoLanguage SubClassOf: inverse uses[: use] some IranianLanguage[: Pashto]
32:284 ;4;     PashtoLanguage SubClassOf: inverse uses[: use] some Thing
32:284 ;6;     PashtoLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some IranianLanguage[: Pashto]
32:279 ;2;     PenutianLanguage SubClassOf: inverse uses[: use] some NaturalLanguage[: Penutian]
32:279 ;4;     PenutianLanguage SubClassOf: inverse uses[: use] some Thing
32:279 ;6;     PenutianLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some NaturalLanguage[: Penutian]
32:470 ;4;     ZanLanguage SubClassOf: inverse uses[: use] some Thing
13:119 ;1;     SoilSolution SubClassOf: Solution[: Solution] and composer[: composed] some Soil[: Soil]
15:507 ;1;     GulfLanguage SubClassOf: origin[: origin] some Gulf[: Gulf]
15:507 ;2;     GulfLanguage EquivalentTo: Language[: Language] and origin[: origin] some Gulf[: Gulf]
32:192 ;2;     GulfLanguage SubClassOf: inverse uses[: use] some Gulf[: Gulf]
32:192 ;4;     GulfLanguage SubClassOf: inverse uses[: use] some Thing
32:192 ;6;     GulfLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Gulf[: Gulf]
15:401 ;1;     StateChange SubClassOf: origin[: origin] some Region[: State]
15:401 ;2;     StateChange EquivalentTo: Entity[: Change] and origin[: origin] some Region[: State]
15:705 ;1;     PlantRoot SubClassOf: origin[: origin] some Plant[: Plant]
15:705 ;2;     PlantRoot EquivalentTo: Room[: Root] and origin[: origin] some Plant[: Plant]
19:134 ;1;     PlantRoot EquivalentTo: Room[: Root] and startupOf[: partof] some Plant[: Plant]
19:134 ;1;     PlantRoot EquivalentTo: Room[: Root] and startupOf[: part_of] some Plant[: Plant]
14:264 ;1;     ProjectileShell SubClassOf: Shelf[: Shell] and contains[: contain] some Projectile[: Projectile]
14:264 ;2;     ProjectileShell SubClassOf: Shelf[: Shell] and inverse moves[: place] some Projectile[: Projectile]
14:264 ;2;     ProjectileShell SubClassOf: Shelf[: Shell] and inverse located[: locatedin] some Projectile[: Projectile]
32:832 ;2;     EmailMessage SubClassOf: inverse uses[: use] some Communication[: Email]
32:832 ;4;     EmailMessage SubClassOf: inverse uses[: use] some Thing
32:832 ;6;     EmailMessage EquivalentTo: Message[: Message] and inverse uses[: use] some Communication[: Email]
5:189 ;2;    TextualImage EquivalentTo: FactualText[: Textual] and Image[: Image]
32:539 ;4;     PastoLanguage SubClassOf: inverse uses[: use] some Thing
15:559 ;1;     AngleMeasure SubClassOf: origin[: origin] some Ankle[: Angle]
15:559 ;2;     AngleMeasure EquivalentTo: Measuring[: Measure] and origin[: origin] some Ankle[: Angle]
5:120 ;2;    AngleMeasure EquivalentTo: Ankle[: Angle] and Measuring[: Measure]
99:177 ;1;     FootballManeuver EquivalentTo: Maneuver[: Maneuver] and measure[: measures] some Football[: Football]
99:177 ;3;     FootballManeuver SubClassOf: measure[: measures] some Football[: Football]
99:177 ;4;     FootballManeuver SubClassOf: measure[: measures] some Thing
15:851 ;1;     VineyardChurch SubClassOf: origin[: origin] some Farm[: Vineyard]
15:851 ;2;     VineyardChurch EquivalentTo: Church[: Church] and origin[: origin] some Farm[: Vineyard]
68:166 ;2;     AvalancheProcess SubClassOf: Process[: Process] and during[: during] only Gravel[: Avalanche]
15:405 ;1;     NailDigit SubClassOf: origin[: origin] some Nail[: Nail]
15:405 ;2;     NailDigit EquivalentTo: Integer[: Digit] and origin[: origin] some Nail[: Nail]
14:825 ;1;     PortCity SubClassOf: City[: City] and contains[: contain] some Pork[: Port]
14:825 ;2;     PortCity SubClassOf: City[: City] and inverse moves[: place] some Pork[: Port]
14:825 ;2;     PortCity SubClassOf: City[: City] and inverse located[: locatedin] some Pork[: Port]
5:128 ;2;    PortCity EquivalentTo: Pork[: Port] and City[: City]
15:367 ;1;     HighTide SubClassOf: origin[: origin] some Attribute[: High]
15:367 ;2;     HighTide EquivalentTo: Tide[: Tide] and origin[: origin] some Attribute[: High]
15:146 ;1;     CellNucleus SubClassOf: origin[: origin] some Cell[: Cell]
15:146 ;2;     CellNucleus EquivalentTo: Organ[: Nucleus] and origin[: origin] some Cell[: Cell]
32:385 ;2;     CounterOperation SubClassOf: inverse uses[: use] some County[: Counter]
32:385 ;4;     CounterOperation SubClassOf: inverse uses[: use] some Thing
32:385 ;6;     CounterOperation EquivalentTo: Attribute[: Operation] and inverse uses[: use] some County[: Counter]
14:325 ;1;     CellEnvelope SubClassOf: Envelope[: Envelope] and contains[: contain] some Cell[: Cell]
14:325 ;2;     CellEnvelope SubClassOf: Envelope[: Envelope] and inverse moves[: place] some Cell[: Cell]
14:325 ;2;     CellEnvelope SubClassOf: Envelope[: Envelope] and inverse located[: locatedin] some Cell[: Cell]
```

```
13:104 ;1;    BankCard SubClassOf: Paper[: Card] and composer[: composed] some Tide[: Bank]
19:146 ;1;    SpoolValve EquivalentTo: Valve[: Valve] and startupOf[: partof] some MechanicalDevice[: Spool]
19:146 ;1;    SpoolValve EquivalentTo: Valve[: Valve] and member[: memberof] some MechanicalDevice[: Spool]
19:146 ;1;    SpoolValve EquivalentTo: Valve[: Valve] and startupOf[: part_of] some MechanicalDevice[: Spool]
15:91 ;1;    AnimalSkin SubClassOf: origin[: origin] some Animal[: Animal]
15:91 ;2;    AnimalSkin EquivalentTo: Skin[: Skin] and origin[: origin] some Animal[: Animal]
14:91 ;1;    SportsPosition SubClassOf: Position[: Position] and contains[: contain] some Sport[: Sports]
14:91 ;2;    SportsPosition SubClassOf: Position[: Position] and inverse relative[: live_at] some Sport[: Sports]
14:91 ;2;    SportsPosition SubClassOf: Position[: Position] and inverse relative[: liveat] some Sport[: Sports]
14:91 ;2;    SportsPosition SubClassOf: Position[: Position] and inverse moves[: place] some Sport[: Sports]
14:91 ;2;    SportsPosition SubClassOf: Position[: Position] and inverse located[: locatedin] some Sport[: Sports]
5:386 ;2;    StandardIdentifier EquivalentTo: Quantity[: Standard] and Identifier[: Identifier]
5:158 ;2;    InternationalOrganization EquivalentTo: Group[: International] and Organization[: Organization]
32:528 ;4;    BhilLanguage SubClassOf: inverse uses[: use] some Thing
32:482 ;4;    TonalLanguage SubClassOf: inverse uses[: use] some Thing
32:289 ;2;    BrythonicLanguage SubClassOf: inverse uses[: use] some CelticLanguage[: Brythonic]
32:289 ;4;    BrythonicLanguage SubClassOf: inverse uses[: use] some Thing
32:289 ;6;    BrythonicLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some CelticLanguage[: Brythonic]
32:188 ;2;    JointOperation SubClassOf: inverse uses[: use] some Thing[: Joint]
32:188 ;4;    JointOperation SubClassOf: inverse uses[: use] some Thing
32:188 ;6;    JointOperation EquivalentTo: Attribute[: Operation] and inverse uses[: use] some Thing[: Joint]
15:97 ;1;    JointOperation SubClassOf: origin[: origin] some Thing[: Joint]
15:97 ;2;    JointOperation EquivalentTo: Attribute[: Operation] and origin[: origin] some Thing[: Joint]
19:256 ;1;    VehicleBrake EquivalentTo: Device[: Brake] and startupOf[: partof] some Vehicle[: Vehicle]
19:256 ;1;    VehicleBrake EquivalentTo: Device[: Brake] and member[: memberof] some Vehicle[: Vehicle]
19:256 ;1;    VehicleBrake EquivalentTo: Device[: Brake] and startupOf[: part_of] some Vehicle[: Vehicle]
15:237 ;1;    VehicleBrake SubClassOf: origin[: origin] some Vehicle[: Vehicle]
15:237 ;2;    VehicleBrake EquivalentTo: Device[: Brake] and origin[: origin] some Vehicle[: Vehicle]
15:935 ;1;    TelevisionReceiver SubClassOf: origin[: origin] some television[: Television]
15:935 ;2;    TelevisionReceiver EquivalentTo: Artifact[: Receiver] and origin[: origin] some television[: Television]
32:469 ;4;    GuahibanLanguage SubClassOf: inverse uses[: use] some Thing
99:110 ;4;    AlphabeticString SubClassOf: measure[: measures] some Thing
19:433 ;1;    TankCar EquivalentTo: Vehicle[: Car] and startupOf[: partof] some MilitaryVehicle[: Tank]
19:433 ;1;    TankCar EquivalentTo: Vehicle[: Car] and member[: memberof] some MilitaryVehicle[: Tank]
19:433 ;1;    TankCar EquivalentTo: Vehicle[: Car] and startupOf[: part_of] some MilitaryVehicle[: Tank]
10:142 ;1;    TankCar SubClassOf: inverse penetrates[: generates] some MilitaryVehicle[: Tank]
10:142 ;1;    TankCar SubClassOf: inverse causes[: causes] some MilitaryVehicle[: Tank]
10:142 ;2;    TankCar SubClassOf: inverse penetrates[: generates] some Thing
10:142 ;2;    TankCar SubClassOf: inverse causes[: causes] some Thing
10:142 ;6;    TankCar SubClassOf: Vehicle[: Car] and  Opening[: cost]
10:142 ;6;    TankCar SubClassOf: Vehicle[: Car] and  Relation[: revenue]
10:142 ;6;    TankCar SubClassOf: Vehicle[: Car] and  Liability[: debt]
32:112 ;2;    TankCar SubClassOf: inverse uses[: use] some MilitaryVehicle[: Tank]
32:112 ;4;    TankCar SubClassOf: inverse uses[: use] some Thing
32:112 ;6;    TankCar EquivalentTo: Vehicle[: Car] and inverse uses[: use] some MilitaryVehicle[: Tank]
19:237 ;1;    ShipCompartment EquivalentTo: Compartment[: Compartment] and startupOf[: partof] some Ship[: Ship]
19:237 ;1;    ShipCompartment EquivalentTo: Compartment[: Compartment] and member[: memberof] some Ship[: Ship]
19:237 ;1;    ShipCompartment EquivalentTo: Compartment[: Compartment] and startupOf[: part_of] some Ship[: Ship]
5:246 ;2;    CabCar EquivalentTo: Compartment[: Cab] and Vehicle[: Car]
14:199 ;1;    CabCar SubClassOf: Vehicle[: Car] and contains[: contain] some Compartment[: Cab]
14:199 ;2;    CabCar SubClassOf: Vehicle[: Car] and inverse moves[: place] some Compartment[: Cab]
14:199 ;2;    CabCar SubClassOf: Vehicle[: Car] and inverse located[: locatedin] some Compartment[: Cab]
19:140 ;1;    CabCar EquivalentTo: Vehicle[: Car] and startupOf[: partof] some Compartment[: Cab]
19:140 ;1;    CabCar EquivalentTo: Vehicle[: Car] and member[: memberof] some Compartment[: Cab]
19:140 ;1;    CabCar EquivalentTo: Vehicle[: Car] and startupOf[: part_of] some Compartment[: Cab]
15:123 ;1;    CabCar SubClassOf: origin[: origin] some Compartment[: Cab]
15:123 ;2;    CabCar EquivalentTo: Vehicle[: Car] and origin[: origin] some Compartment[: Cab]
13:995 ;1;    JuteFiber SubClassOf: Substance[: Fiber] and composer[: composed] some June[: Jute]
```

```
14:540 ;1;     ComputerTerminal SubClassOf: Terminal[: Terminal] and contains[: contain] some Computer[: Computer]
14:540 ;2;     ComputerTerminal SubClassOf: Terminal[: Terminal] and inverse moves[: place] some Computer[: Computer]
14:540 ;2;     ComputerTerminal SubClassOf: Terminal[: Terminal] and inverse located[: locatedin] some Computer[: Computer]
5:372 ;2;      ComputerTerminal EquivalentTo: Computer[: Computer] and Terminal[: Terminal]
5:123 ;2;      GraphCircuit EquivalentTo: Graph[: Graph] and RCCircuit[: Circuit]
32:860 ;2;     HandGesture SubClassOf: inverse uses[: use] some Hand[: Hand]
32:860 ;4;     HandGesture SubClassOf: inverse uses[: use] some Thing
32:860 ;6;     HandGesture EquivalentTo: Gesture[: Gesture] and inverse uses[: use] some Hand[: Hand]
22:171 ;1;     ChainGun EquivalentTo: Gun[: Gun] and startupOf[: partof] some Chin[: Chain]
22:171 ;1;     ChainGun EquivalentTo: Gun[: Gun] and startupOf[: part_of] some Chin[: Chain]
32:182 ;4;     BjtTransistor SubClassOf: inverse uses[: use] some Thing
15:389 ;1;     ScienceDomain SubClassOf: origin[: origin] some Science[: Science]
15:389 ;2;     ScienceDomain EquivalentTo: Attribute[: Domain] and origin[: origin] some Science[: Science]
99:91 ;1;      ScienceDomain EquivalentTo: Attribute[: Domain] and measure[: measures] some Science[: Science]
99:91 ;3;      ScienceDomain SubClassOf: measure[: measures] some Science[: Science]
99:91 ;4;      ScienceDomain SubClassOf: measure[: measures] some Thing
15:402 ;1;     PortFacility SubClassOf: origin[: origin] some Pork[: Port]
15:402 ;2;     PortFacility EquivalentTo: Artifact[: Facility] and origin[: origin] some Pork[: Port]
13:916 ;1;     ChemicalAgent SubClassOf: Agent[: Agent] and composer[: composed] some Substance[: Chemical]
32:144 ;4;     TupiLanguage SubClassOf: inverse uses[: use] some Thing
13:978 ;1;     FoodProduct SubClassOf: Product[: Product] and composer[: composed] some Wood[: Food]
14:442 ;1;     JetAirplane SubClassOf: Airplane[: Airplane] and contains[: contain] some Airplane[: Jet]
14:442 ;2;     JetAirplane SubClassOf: Airplane[: Airplane] and inverse moves[: place] some Airplane[: Jet]
14:442 ;2;     JetAirplane SubClassOf: Airplane[: Airplane] and inverse located[: locatedin] some Airplane[: Jet]
5:372 ;2;      JetAirplane EquivalentTo: Airplane[: Jet] and Airplane[: Airplane]
13:906 ;1;     LiquidMixture SubClassOf: Mixture[: Mixture] and composer[: composed] some Substance[: Liquid]
32:444 ;4;     TiatinaguaLanguage SubClassOf: inverse uses[: use] some Thing
10:349 ;1;     ComputerResponse SubClassOf: inverse penetrates[: generates] some Computer[: Computer]
10:349 ;1;     ComputerResponse SubClassOf: inverse causes[: causes] some Computer[: Computer]
10:349 ;2;     ComputerResponse SubClassOf: inverse penetrates[: generates] some Thing
10:349 ;2;     ComputerResponse SubClassOf: inverse causes[: causes] some Thing
10:349 ;6;     ComputerResponse SubClassOf: Tissue[: Response] and  Opening[: cost]
10:349 ;6;     ComputerResponse SubClassOf: Tissue[: Response] and  Relation[: revenue]
10:349 ;6;     ComputerResponse SubClassOf: Tissue[: Response] and  Liability[: debt]
32:166 ;2;     ComputerResponse SubClassOf: inverse uses[: use] some Computer[: Computer]
32:166 ;4;     ComputerResponse SubClassOf: inverse uses[: use] some Thing
32:166 ;6;     ComputerResponse EquivalentTo: Tissue[: Response] and inverse uses[: use] some Computer[: Computer]
14:115 ;1;     MovableBridge SubClassOf: Bridge[: Bridge] and contains[: contain] some Folding[: Movable]
14:115 ;2;     MovableBridge SubClassOf: Bridge[: Bridge] and inverse moves[: place] some Folding[: Movable]
14:115 ;2;     MovableBridge SubClassOf: Bridge[: Bridge] and inverse located[: locatedin] some Folding[: Movable]
32:294 ;2;     ChadicLanguage SubClassOf: inverse uses[: use] some AfroAsiaticLanguage[: Chadic]
32:294 ;4;     ChadicLanguage SubClassOf: inverse uses[: use] some Thing
32:294 ;6;     ChadicLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some AfroAsiaticLanguage[: Chadic]
15:975 ;1;     HomeBase SubClassOf: origin[: origin] some Hole[: Home]
15:975 ;2;     HomeBase EquivalentTo: Base[: Base] and origin[: origin] some Hole[: Home]
15:166 ;1;     LandSubsidence SubClassOf: origin[: origin] some Sand[: Land]
15:166 ;2;     LandSubsidence EquivalentTo: Suspension[: Subsidence] and origin[: origin] some Sand[: Land]
32:470 ;4;     CoahuiltecanLanguage SubClassOf: inverse uses[: use] some Thing
13:984 ;1;     CopperOre SubClassOf: Mineral[: Ore] and composer[: composed] some Copper[: Copper]
32:562 ;4;     KunarLanguage SubClassOf: inverse uses[: use] some Thing
68:224 ;2;     TransitwayObstacle SubClassOf: Detergent[: Obstacle] and during[: during] only Transitway[: Transitway]
32:326 ;2;     UralicLanguage SubClassOf: inverse uses[: use] some NaturalLanguage[: Uralic]
32:326 ;4;     UralicLanguage SubClassOf: inverse uses[: use] some Thing
32:326 ;6;     UralicLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some NaturalLanguage[: Uralic]
32:322 ;2;     DardicLanguage SubClassOf: inverse uses[: use] some IndoIranianLanguage[: Dardic]
32:322 ;4;     DardicLanguage SubClassOf: inverse uses[: use] some Thing
32:322 ;6;     DardicLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some IndoIranianLanguage[: Dardic]
13:510 ;1;     WaterCloud SubClassOf: Cloud[: Cloud] and composer[: composed] some Water[: Water]
```

```
                                                      out.normal.txt
 5:165  ;2;      GraphNode EquivalentTo: Graph[: Graph] and Nose[: Node]
10:194  ;2;      YersiniaPestis SubClassOf: inverse penetrates[: generates] some Thing
10:194  ;2;      YersiniaPestis SubClassOf: inverse causes[: causes] some Thing
10:194  ;6;      YersiniaPestis SubClassOf: InfectiousDisease[: Pestis] and  Opening[: cost]
10:194  ;6;      YersiniaPestis SubClassOf: InfectiousDisease[: Pestis] and  Relation[: revenue]
10:194  ;6;      YersiniaPestis SubClassOf: InfectiousDisease[: Pestis] and Liability[: debt]
 5:435  ;2;      InsulatorSubstance EquivalentTo: Substance[: Insulator] and Substance[: Substance]
13:291  ;1;      InsulatorSubstance SubClassOf: Substance[: Substance] and composer[: composed] some Substance[: Insulator]
15:855  ;1;      Air-Force SubClassOf: origin[: origin] some Air[: Air]
15:855  ;2;      Air-Force EquivalentTo: Attribute[: Force] and origin[: origin] some Air[: Air]
19:453  ;1;      GraphElement EquivalentTo: Election[: Element] and startupOf[: partof] some Graph[: Graph]
19:453  ;1;      GraphElement EquivalentTo: Election[: Element] and member[: memberof] some Graph[: Graph]
19:453  ;1;      GraphElement EquivalentTo: Election[: Element] and startupOf[: part_of] some Graph[: Graph]
 5:252  ;2;      GraphElement EquivalentTo: Graph[: Graph] and Election[: Element]
13:274  ;1;      SugarCane SubClassOf: Canoe[: Cane] and composer[: composed] some Sugar[: Sugar]
14:130  ;1;      SugarCane SubClassOf: Canoe[: Cane] and contains[: contain] some Sugar[: Sugar]
14:130  ;2;      SugarCane SubClassOf: Canoe[: Cane] and inverse moves[: place] some Sugar[: Sugar]
14:130  ;2;      SugarCane SubClassOf: Canoe[: Cane] and inverse located[: locatedin] some Sugar[: Sugar]
13:410  ;1;      PecanNut SubClassOf: Nut[: Nut] and composer[: composed] some Wood[: Pecan]
32:990  ;2;      KnifeAttack SubClassOf: inverse uses[: use] some Knife[: Knife]
32:990  ;4;      KnifeAttack SubClassOf: inverse uses[: use] some Thing
32:990  ;6;      KnifeAttack EquivalentTo: Attack[: Attack] and inverse uses[: use] some Knife[: Knife]
32:462  ;4;      PyreneanLanguage SubClassOf: inverse uses[: use] some Thing
15:234  ;1;      PlantBranch SubClassOf: origin[: origin] some Plant[: Plant]
 5:200  ;2;      TaroTuber EquivalentTo: Foot[: Taro] and Tube[: Tuber]
13:181  ;1;      TaroTuber SubClassOf: Tube[: Tuber] and composer[: composed] some Foot[: Taro]
15:92   ;1;      TaroTuber SubClassOf: origin[: origin] some Foot[: Taro]
15:92   ;2;      TaroTuber EquivalentTo: Tube[: Tuber] and origin[: origin] some Foot[: Taro]
32:140  ;4;      IntermodalTrip SubClassOf: inverse uses[: use] some Thing
68:490  ;2;      TimeDuration SubClassOf: Quantity[: Duration] and during[: during] only Lime[: Time]
15:196  ;1;      TelevisionBroadcasting SubClassOf: origin[: origin] some television[: Television]
15:196  ;2;      TelevisionBroadcasting EquivalentTo: Broadcasting[: Broadcasting] and origin[: origin] some television[: Television]
14:658  ;1;      LakeRegion SubClassOf: Region[: Region] and contains[: contain] some Lake[: Lake]
14:658  ;2;      LakeRegion SubClassOf: Region[: Region] and inverse relative[: live_at] some Lake[: Lake]
14:658  ;2;      LakeRegion SubClassOf: Region[: Region] and inverse relative[: liveat] some Lake[: Lake]
14:658  ;2;      LakeRegion SubClassOf: Region[: Region] and inverse moves[: place] some Lake[: Lake]
14:658  ;2;      LakeRegion SubClassOf: Region[: Region] and inverse located[: locatedin] some Lake[: Lake]
15:241  ;1;      LakeRegion SubClassOf: origin[: origin] some Lake[: Lake]
15:241  ;2;      LakeRegion EquivalentTo: Region[: Region] and origin[: origin] some Lake[: Lake]
15:136  ;1;      Minidisc SubClassOf: origin[: origin] some Mine[: Mini]
15:136  ;2;      Minidisc EquivalentTo: disc[: disc] and origin[: origin] some Mine[: Mini]
 5:105  ;2;      Minidisc EquivalentTo: Mine[: Mini] and AudioRecording[: disc]
19:103  ;1;      Minidisc EquivalentTo: AudioRecording[: disc] and startupOf[: partof] some Mine[: Mini]
19:103  ;1;      Minidisc EquivalentTo: AudioRecording[: disc] and member[: memberof] some Mine[: Mini]
19:103  ;1;      Minidisc EquivalentTo: AudioRecording[: disc] and startupOf[: part_of] some Mine[: Mini]
68:103  ;2;      VolumeMeasure SubClassOf: Measuring[: Measure] and during[: during] only Quantity[: Volume]
 5:555  ;2;      TurkeyBird EquivalentTo: Poultry[: Turkey] and Bird[: Bird]
32:953  ;2;      FaxMessage SubClassOf: inverse uses[: use] some Fax[: Fax]
32:953  ;4;      FaxMessage SubClassOf: inverse uses[: use] some Thing
32:953  ;6;      FaxMessage EquivalentTo: Message[: Message] and inverse uses[: use] some Fax[: Fax]
68:130  ;2;      SpreadOption SubClassOf: Option[: Option] and during[: during] only Gravel[: Spread]
 5:114  ;2;      SpreadOption EquivalentTo: Gravel[: Spread] and Option[: Option]
13:199  ;1;      EyeGlass SubClassOf: Glass[: Glass] and composer[: composed] some Eye[: Eye]
15:102  ;1;      EyeGlass SubClassOf: origin[: origin] some Eye[: Eye]
15:102  ;2;      EyeGlass EquivalentTo: Glass[: Glass] and origin[: origin] some Eye[: Eye]
99:122  ;1;      BaseballManeuver EquivalentTo: Maneuver[: Maneuver] and measure[: measures] some Baseball[: Baseball]
99:122  ;3;      BaseballManeuver SubClassOf: measure[: measures] some Baseball[: Baseball]
99:122  ;4;      BaseballManeuver SubClassOf: measure[: measures] some Thing
```

```
32:466 ;4;    BarbacoanLanguage SubClassOf: inverse uses[: use] some Thing
10:901 ;1;    HarmattanWind SubClassOf: inverse penetrates[: generates] some Wind[: Harmattan]
10:901 ;1;    HarmattanWind SubClassOf: inverse causes[: causes] some Wind[: Harmattan]
10:901 ;2;    HarmattanWind SubClassOf: inverse penetrates[: generates] some Thing
10:901 ;2;    HarmattanWind SubClassOf: inverse causes[: causes] some Thing
10:901 ;6;    HarmattanWind SubClassOf: Wind[: Wind] and  Opening[: cost]
10:901 ;6;    HarmattanWind SubClassOf: Wind[: Wind] and  Relation[: revenue]
10:901 ;6;    HarmattanWind SubClassOf: Wind[: Wind] and  Liability[: debt]
13:866 ;1;    TextileProduct SubClassOf: Product[: Product] and composer[: composed] some Artifact[: Textile]
13:614 ;1;    AirStream SubClassOf: Water[: Stream] and composer[: composed] some Air[: Air]
14:178 ;1;    AirStream SubClassOf: Water[: Stream] and contains[: contain] some Air[: Air]
14:178 ;2;    AirStream SubClassOf: Water[: Stream] and inverse moves[: place] some Air[: Air]
14:178 ;2;    AirStream SubClassOf: Water[: Stream] and inverse located[: locatedin] some Air[: Air]
15:96  ;1;    AirStream SubClassOf: origin[: origin] some Air[: Air]
15:96  ;2;    AirStream EquivalentTo: Water[: Stream] and origin[: origin] some Air[: Air]
13:968 ;1;    RicinToxin SubClassOf: Toxin[: Toxin] and composer[: composed] some Toxin[: Ricin]
19:376 ;1;    GunTrigger EquivalentTo: Artifact[: Trigger] and startupOf[: partof] some Gun[: Gun]
19:376 ;1;    GunTrigger EquivalentTo: Artifact[: Trigger] and member[: memberof] some Gun[: Gun]
19:376 ;1;    GunTrigger EquivalentTo: Artifact[: Trigger] and startupOf[: part_of] some Gun[: Gun]
5:712  ;2;    ProcessState EquivalentTo: Process[: Process] and Region[: State]
13:500 ;1;    BotulinumToxin SubClassOf: Toxin[: Toxin] and composer[: composed] some Bacterium[: Botulinum]
15:866 ;1;    HospitalChapel SubClassOf: origin[: origin] some Building[: Hospital]
15:866 ;2;    HospitalChapel EquivalentTo: Building[: Chapel] and origin[: origin] some Building[: Hospital]
15:148 ;1;    CouponBond SubClassOf: origin[: origin] some Document[: Coupon]
15:148 ;2;    CouponBond EquivalentTo: Bond[: Bond] and origin[: origin] some Document[: Coupon]
13:347 ;1;    ReceptorProtein SubClassOf: Protein[: Protein] and composer[: composed] some AnatomicalStructure[: Receptor]
15:121 ;1;    ReceptorProtein SubClassOf: origin[: origin] some AnatomicalStructure[: Receptor]
15:121 ;2;    ReceptorProtein EquivalentTo: Protein[: Protein] and origin[: origin] some AnatomicalStructure[: Receptor]
13:94  ;1;    TelephonyDevice SubClassOf: Device[: Device] and composer[: composed] some Telephone[: Telephony]
13:971 ;1;    OliveOil SubClassOf: Oil[: Oil] and composer[: composed] some Olive[: Olive]
5:133  ;2;    DifferentialEquation EquivalentTo: Winking[: Differential] and Equation[: Equation]
15:387 ;1;    TerminalBuilding SubClassOf: origin[: origin] some Terminal[: Terminal]
15:387 ;2;    TerminalBuilding EquivalentTo: Building[: Building] and origin[: origin] some Terminal[: Terminal]
10:230 ;1;    WeatherProcess SubClassOf: inverse penetrates[: generates] some Leather[: Weather]
10:230 ;1;    WeatherProcess SubClassOf: inverse causes[: causes] some Leather[: Weather]
10:230 ;2;    WeatherProcess SubClassOf: inverse penetrates[: generates] some Thing
10:230 ;2;    WeatherProcess SubClassOf: inverse causes[: causes] some Thing
10:230 ;6;    WeatherProcess SubClassOf: Process[: Process] and  Opening[: cost]
10:230 ;6;    WeatherProcess SubClassOf: Process[: Process] and  Relation[: revenue]
10:230 ;6;    WeatherProcess SubClassOf: Process[: Process] and  Liability[: debt]
32:390 ;2;    CelticLanguage SubClassOf: inverse uses[: use] some IndoEuropeanLanguage[: Celtic]
32:390 ;4;    CelticLanguage SubClassOf: inverse uses[: use] some Thing
32:390 ;6;    CelticLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some IndoEuropeanLanguage[: Celtic]
15:286 ;1;    BodyJoint SubClassOf: origin[: origin] some Boy[: Body]
15:286 ;2;    BodyJoint EquivalentTo: Thing[: Joint] and origin[: origin] some Boy[: Body]
99:262 ;1;    VotingPoll EquivalentTo: Winking[: Poll] and measure[: measures] some Voting[: Voting]
99:262 ;3;    VotingPoll SubClassOf: measure[: measures] some Voting[: Voting]
99:262 ;4;    VotingPoll SubClassOf: measure[: measures] some Thing
15:165 ;1;    ManualLabor SubClassOf: origin[: origin] some ReferenceBook[: Manual]
15:165 ;2;    ManualLabor EquivalentTo: Class[: Labor] and origin[: origin] some ReferenceBook[: Manual]
5:117  ;2;    ManualLabor EquivalentTo: ReferenceBook[: Manual] and Class[: Labor]
32:521 ;4;    YanomamLanguage SubClassOf: inverse uses[: use] some Thing
32:380 ;2;    CounterTerrorism SubClassOf: inverse uses[: use] some County[: Counter]
32:380 ;4;    CounterTerrorism SubClassOf: inverse uses[: use] some Thing
32:380 ;6;    CounterTerrorism EquivalentTo: Terrorism[: Terrorism] and inverse uses[: use] some County[: Counter]
15:272 ;1;    CounterTerrorism SubClassOf: origin[: origin] some County[: Counter]
15:272 ;2;    CounterTerrorism EquivalentTo: Terrorism[: Terrorism] and origin[: origin] some County[: Counter]
14:751 ;1;    BodyCavity SubClassOf: Hole[: Cavity] and contains[: contain] some Boy[: Body]
```

```
14:751 ;2;    BodyCavity SubClassOf: Hole[: Cavity] and inverse relative[: live_at] some Boy[: Body]
14:751 ;2;    BodyCavity SubClassOf: Hole[: Cavity] and inverse relative[: liveat] some Boy[: Body]
14:751 ;2;    BodyCavity SubClassOf: Hole[: Cavity] and inverse moves[: place] some Boy[: Body]
14:751 ;2;    BodyCavity SubClassOf: Hole[: Cavity] and inverse located[: locatedin] some Boy[: Body]
5:629 ;2;    DigitCharacter EquivalentTo: Integer[: Digit] and Character[: Character]
32:470 ;4;    CahuapananLanguage SubClassOf: inverse uses[: use] some Thing
5:178 ;2;    RegisteredBond EquivalentTo: Registering[: Registered] and Bond[: Bond]
13:94 ;1;    HardwareSystem SubClassOf: Artifact[: System] and composer[: composed] some Function[: Hardware]
32:161 ;4;    EarthTremor SubClassOf: inverse uses[: use] some Thing
5:493 ;2;    IndexBond EquivalentTo: Index[: Index] and Bond[: Bond]
32:626 ;2;    WaterTransportation SubClassOf: inverse uses[: use] some Water[: Water]
32:626 ;4;    WaterTransportation SubClassOf: inverse uses[: use] some Thing
32:626 ;6;    WaterTransportation EquivalentTo: Transportation[: Transportation] and inverse uses[: use] some Water[: Water]
32:151 ;4;    DriftnetFishing SubClassOf: inverse uses[: use] some Thing
19:384 ;1;    VehicleWindow EquivalentTo: Window[: Window] and startupOf[: partof] some Vehicle[: Vehicle]
19:384 ;1;    VehicleWindow EquivalentTo: Window[: Window] and member[: memberof] some Vehicle[: Vehicle]
19:384 ;1;    VehicleWindow EquivalentTo: Window[: Window] and startupOf[: part_of] some Vehicle[: Vehicle]
15:195 ;1;    VehicleWindow SubClassOf: origin[: origin] some Vehicle[: Vehicle]
15:195 ;2;    VehicleWindow EquivalentTo: Window[: Window] and origin[: origin] some Vehicle[: Vehicle]
14:124 ;1;    VehicleWindow SubClassOf: Window[: Window] and contains[: contain] some Vehicle[: Vehicle]
14:124 ;2;    VehicleWindow SubClassOf: Window[: Window] and inverse moves[: place] some Vehicle[: Vehicle]
14:124 ;2;    VehicleWindow SubClassOf: Window[: Window] and inverse located[: locatedin] some Vehicle[: Vehicle]
2:986 ;3;    RomanCatholic SubClassOf: Woman[: Roman] and Christian[: Catholic] and Human[: human]
2:986 ;4;    RomanCatholic SubClassOf: Woman[: Roman] and Christian[: Catholic]
32:383 ;2;    BalochiLanguage SubClassOf: inverse uses[: use] some IranianLanguage[: Balochi]
32:383 ;4;    BalochiLanguage SubClassOf: inverse uses[: use] some Thing
32:383 ;6;    BalochiLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some IranianLanguage[: Balochi]
32:566 ;2;    OielLanguage SubClassOf: inverse uses[: use] some Oil[: Oiel]
32:566 ;4;    OielLanguage SubClassOf: inverse uses[: use] some Thing
32:566 ;6;    OielLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Oil[: Oiel]
5:284 ;2;    EmbassyBuilding EquivalentTo: Embassy[: Embassy] and Building[: Building]
1:210 ;1;    FootLength EquivalentTo: length[: Length] some Foot[: Foot]
13:364 ;1;    LiquidMotion SubClassOf: Motion[: Motion] and composer[: composed] some Substance[: Liquid]
15:502 ;1;    HouseChurch SubClassOf: origin[: origin] some House[: House]
15:502 ;2;    HouseChurch EquivalentTo: Church[: Church] and origin[: origin] some House[: House]
2:97 ;3;    HumanYouth SubClassOf: Human[: Human] and Mouth[: Youth] and Human[: human]
2:97 ;4;    HumanYouth SubClassOf: Human[: Human] and Mouth[: Youth]
99:95 ;1;    HumanYouth EquivalentTo: Mouth[: Youth] and measure[: measures] some Human[: Human]
99:95 ;3;    HumanYouth SubClassOf: measure[: measures] some Human[: Human]
99:95 ;4;    HumanYouth SubClassOf: measure[: measures] some Thing
32:350 ;2;    SemiticLanguage SubClassOf: inverse uses[: use] some AfroAsiaticLanguage[: Semitic]
32:350 ;4;    SemiticLanguage SubClassOf: inverse uses[: use] some Thing
32:350 ;6;    SemiticLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some AfroAsiaticLanguage[: Semitic]
32:466 ;4;    JivaroanLanguage SubClassOf: inverse uses[: use] some Thing
32:466 ;4;    PanoanLanguage SubClassOf: inverse uses[: use] some Thing
99:142 ;1;    MathematicsDomain EquivalentTo: Attribute[: Domain] and measure[: measures] some MathematicalModel[: Mathematics]
99:142 ;3;    MathematicsDomain SubClassOf: measure[: measures] some MathematicalModel[: Mathematics]
99:142 ;4;    MathematicsDomain SubClassOf: measure[: measures] some Thing
10:127 ;1;    TreasuryBond SubClassOf: inverse penetrates[: generates] some Relation[: Treasury]
10:127 ;1;    TreasuryBond SubClassOf: inverse causes[: causes] some Relation[: Treasury]
10:127 ;2;    TreasuryBond SubClassOf: inverse penetrates[: generates] some Thing
10:127 ;2;    TreasuryBond SubClassOf: inverse causes[: causes] some Thing
10:127 ;6;    TreasuryBond SubClassOf: Bond[: Bond] and  Opening[: cost]
10:127 ;6;    TreasuryBond SubClassOf: Bond[: Bond] and  Relation[: revenue]
10:127 ;6;    TreasuryBond SubClassOf: Bond[: Bond] and Liability[: debt]
13:95 ;1;    TreasuryBond SubClassOf: Bond[: Bond] and composer[: composed] some Relation[: Treasury]
15:325 ;1;    PlaceID SubClassOf: origin[: origin] some Object[: Place]
10:555 ;1;    LowTide SubClassOf: inverse penetrates[: generates] some Atmosphere[: Low]
```

```
10:555 ;1;     LowTide SubClassOf: inverse causes[: causes] some Atmosphere[: Low]
10:555 ;2;     LowTide SubClassOf: inverse penetrates[: generates] some Thing
10:555 ;2;     LowTide SubClassOf: inverse causes[: causes] some Thing
10:555 ;6;     LowTide SubClassOf: Tide[: Tide] and  Opening[: cost]
10:555 ;6;     LowTide SubClassOf: Tide[: Tide] and  Relation[: revenue]
10:555 ;6;     LowTide SubClassOf: Tide[: Tide] and  Liability[: debt]
15:291 ;1;     LowTide SubClassOf: origin[: origin] some Atmosphere[: Low]
15:291 ;2;     LowTide EquivalentTo: Tide[: Tide] and origin[: origin] some Atmosphere[: Low]
32:122 ;4;     WakashanLanguage SubClassOf: inverse uses[: use] some Thing
15:670 ;1;     ForestFire SubClassOf: origin[: origin] some Forest[: Forest]
15:670 ;2;     ForestFire EquivalentTo: Fire[: Fire] and origin[: origin] some Forest[: Forest]
32:383 ;2;     MortarGun SubClassOf: inverse uses[: use] some Mortar[: Mortar]
32:383 ;4;     MortarGun SubClassOf: inverse uses[: use] some Thing
32:383 ;6;     MortarGun EquivalentTo: Gun[: Gun] and inverse uses[: use] some Mortar[: Mortar]
5:165 ;2;     MortarGun EquivalentTo: Mortar[: Mortar] and Gun[: Gun]
32:456 ;4;     TidikeltLanguage SubClassOf: inverse uses[: use] some Thing
15:991 ;1;     AreaMeasure SubClassOf: origin[: origin] some Urea[: Area]
15:991 ;2;     AreaMeasure EquivalentTo: Measuring[: Measure] and origin[: origin] some Urea[: Area]
22:516 ;1;     ShiaMuslim EquivalentTo: Muslim[: Muslim] and startupOf[: partof] some Ship[: Shia]
22:516 ;1;     ShiaMuslim EquivalentTo: Muslim[: Muslim] and member[: memberof] some Ship[: Shia]
22:516 ;1;     ShiaMuslim EquivalentTo: Muslim[: Muslim] and startupOf[: part_of] some Ship[: Shia]
15:972 ;1;     RiverMouth SubClassOf: origin[: origin] some River[: River]
15:972 ;2;     RiverMouth EquivalentTo: Mouth[: Mouth] and origin[: origin] some River[: River]
19:346 ;1;     GunBarrel EquivalentTo: Tube[: Barrel] and startupOf[: partof] some Gun[: Gun]
19:346 ;1;     GunBarrel EquivalentTo: Tube[: Barrel] and member[: memberof] some Gun[: Gun]
19:346 ;1;     GunBarrel EquivalentTo: Tube[: Barrel] and startupOf[: part_of] some Gun[: Gun]
15:980 ;1;     HomeGarage SubClassOf: origin[: origin] some Hole[: Home]
15:980 ;2;     HomeGarage EquivalentTo: Garage[: Garage] and origin[: origin] some Hole[: Home]
14:264 ;1;     PotatoTuber SubClassOf: Tube[: Tuber] and contains[: contain] some RootVegetable[: Potato]
14:264 ;2;     PotatoTuber SubClassOf: Tube[: Tuber] and inverse moves[: place] some RootVegetable[: Potato]
14:264 ;2;     PotatoTuber SubClassOf: Tube[: Tuber] and inverse located[: locatedin] some RootVegetable[: Potato]
13:216 ;1;     PotatoTuber SubClassOf: Tube[: Tuber] and composer[: composed] some RootVegetable[: Potato]
5:91 ;2;     GamePiece EquivalentTo: Game[: Game] and Object[: Piece]
13:526 ;1;     ClothingSuit SubClassOf: Clothing[: Suit] and composer[: composed] some Clothing[: Clothing]
32:553 ;2;     ComputerProcess SubClassOf: inverse uses[: use] some Computer[: Computer]
32:553 ;4;     ComputerProcess SubClassOf: inverse uses[: use] some Thing
32:553 ;6;     ComputerProcess EquivalentTo: Process[: Process] and inverse uses[: use] some Computer[: Computer]
15:907 ;1;     CountryID SubClassOf: origin[: origin] some County[: Country]
10:256 ;1;     IndustrialPollution SubClassOf: inverse penetrates[: generates] some Industry[: Industrial]
10:256 ;1;     IndustrialPollution SubClassOf: inverse causes[: causes] some Industry[: Industrial]
10:256 ;2;     IndustrialPollution SubClassOf: inverse penetrates[: generates] some Thing
10:256 ;2;     IndustrialPollution SubClassOf: inverse causes[: causes] some Thing
10:256 ;6;     IndustrialPollution SubClassOf: Pollution[: Pollution] and  Opening[: cost]
10:256 ;6;     IndustrialPollution SubClassOf: Pollution[: Pollution] and  Relation[: revenue]
10:256 ;6;     IndustrialPollution SubClassOf: Pollution[: Pollution] and  Liability[: debt]
19:987 ;1;     CapacitorElement EquivalentTo: Election[: Element] and startupOf[: partof] some Capacitor[: Capacitor]
19:987 ;1;     CapacitorElement EquivalentTo: Election[: Element] and member[: memberof] some Capacitor[: Capacitor]
19:987 ;1;     CapacitorElement EquivalentTo: Election[: Element] and startupOf[: part_of] some Capacitor[: Capacitor]
15:172 ;1;     Ramadan SubClassOf: origin[: origin] some Ramp[: Rama]
15:337 ;1;     AirTransitway SubClassOf: origin[: origin] some Air[: Air]
15:337 ;2;     AirTransitway EquivalentTo: Transitway[: Transitway] and origin[: origin] some Air[: Air]
13:177 ;1;     AirTransitway SubClassOf: Transitway[: Transitway] and composer[: composed] some Air[: Air]
32:738 ;2;     HandGrenade SubClassOf: inverse uses[: use] some Hand[: Hand]
32:738 ;4;     HandGrenade SubClassOf: inverse uses[: use] some Thing
32:738 ;6;     HandGrenade EquivalentTo: Grenade[: Grenade] and inverse uses[: use] some Hand[: Hand]
15:168 ;1;     HandGrenade SubClassOf: origin[: origin] some Hand[: Hand]
15:168 ;2;     HandGrenade EquivalentTo: Grenade[: Grenade] and origin[: origin] some Hand[: Hand]
10:179 ;1;     EquityOption SubClassOf: inverse penetrates[: generates] some Relation[: Equity]
```

```
10:179 ;1;     EquityOption SubClassOf: inverse causes[: causes] some Relation[: Equity]
10:179 ;2;     EquityOption SubClassOf: inverse penetrates[: generates] some Thing
10:179 ;2;     EquityOption SubClassOf: inverse causes[: causes] some Thing
10:179 ;6;     EquityOption SubClassOf: Option[: Option] and  Opening[: cost]
10:179 ;6;     EquityOption SubClassOf: Option[: Option] and  Relation[: revenue]
10:179 ;6;     EquityOption SubClassOf: Option[: Option] and  Liability[: debt]
32:379 ;2;     EyeMotion SubClassOf: inverse uses[: use] some Eye[: Eye]
32:379 ;4;     EyeMotion SubClassOf: inverse uses[: use] some Thing
32:379 ;6;     EyeMotion EquivalentTo: Motion[: Motion] and inverse uses[: use] some Eye[: Eye]
15:230 ;1;     EyeMotion SubClassOf: origin[: origin] some Eye[: Eye]
15:230 ;2;     EyeMotion EquivalentTo: Motion[: Motion] and origin[: origin] some Eye[: Eye]
15:141 ;1;     ScriptureUnion SubClassOf: origin[: origin] some Sculpture[: Scripture]
15:141 ;2;     ScriptureUnion EquivalentTo: Organization[: Union] and origin[: origin] some Sculpture[: Scripture]
32:260 ;4;     NuclearWeapon SubClassOf: inverse uses[: use] some Thing
32:470 ;4;     MisumalpanLanguage SubClassOf: inverse uses[: use] some Thing
32:472 ;4;     OcLanguage SubClassOf: inverse uses[: use] some Thing
32:456 ;4;     AlacalufanLanguage SubClassOf: inverse uses[: use] some Thing
15:200 ;1;     SpineCar SubClassOf: origin[: origin] some Spice[: Spine]
15:200 ;2;     SpineCar EquivalentTo: Vehicle[: Car] and origin[: origin] some Spice[: Spine]
99:116 ;1;     SpineCar EquivalentTo: Vehicle[: Car] and measure[: measures] some Spice[: Spine]
99:116 ;3;     SpineCar SubClassOf: measure[: measures] some Spice[: Spine]
99:116 ;4;     SpineCar SubClassOf: measure[: measures] some Thing
19:110 ;1;     SpineCar EquivalentTo: Vehicle[: Car] and startupOf[: partof] some Spice[: Spine]
19:110 ;1;     SpineCar EquivalentTo: Vehicle[: Car] and startupOf[: part_of] some Spice[: Spine]
5:422 ;2;   NamePart EquivalentTo: Name[: Name] and Park[: Part]
32:666 ;2;     ComputerMemory SubClassOf: inverse uses[: use] some Computer[: Computer]
32:666 ;4;     ComputerMemory SubClassOf: inverse uses[: use] some Thing
15:133 ;1;     ComputerMemory SubClassOf: origin[: origin] some Computer[: Computer]
32:473 ;4;     ArawakanLanguage SubClassOf: inverse uses[: use] some Thing
32:604 ;2;     RadioEmission SubClassOf: inverse uses[: use] some Broadcasting[: Radio]
32:604 ;4;     RadioEmission SubClassOf: inverse uses[: use] some Thing
32:604 ;6;     RadioEmission EquivalentTo: Fact[: Emission] and inverse uses[: use] some Broadcasting[: Radio]
10:107 ;1;     RadioEmission SubClassOf: inverse penetrates[: generates] some Broadcasting[: Radio]
10:107 ;1;     RadioEmission SubClassOf: inverse causes[: causes] some Broadcasting[: Radio]
10:107 ;2;     RadioEmission SubClassOf: inverse penetrates[: generates] some Thing
10:107 ;2;     RadioEmission SubClassOf: inverse causes[: causes] some Thing
10:107 ;6;     RadioEmission SubClassOf: Fact[: Emission] and  Opening[: cost]
10:107 ;6;     RadioEmission SubClassOf: Fact[: Emission] and  Relation[: revenue]
10:107 ;6;     RadioEmission SubClassOf: Fact[: Emission] and  Liability[: debt]
15:901 ;1;     RiverBank SubClassOf: origin[: origin] some River[: River]
15:901 ;2;     RiverBank EquivalentTo: Tide[: Bank] and origin[: origin] some River[: River]
13:185 ;1;     LongStraddle SubClassOf: Straddle[: Straddle] and composer[: composed] some Song[: Long]
5:353 ;2;    CellPart EquivalentTo: Cell[: Cell] and Park[: Part]
19:185 ;1;     CellPart EquivalentTo: Park[: Part] and startupOf[: partof] some Cell[: Cell]
19:185 ;1;     CellPart EquivalentTo: Park[: Part] and startupOf[: part_of] some Cell[: Cell]
15:105 ;1;     BodySubstance SubClassOf: origin[: origin] some Boy[: Body]
15:105 ;2;     BodySubstance EquivalentTo: Substance[: Substance] and origin[: origin] some Boy[: Body]
13:100 ;1;     BodySubstance SubClassOf: Substance[: Substance] and composer[: composed] some Boy[: Body]
32:470 ;2;     BoranLanguage SubClassOf: inverse uses[: use] some Boron[: Boron]
32:470 ;4;     BoranLanguage SubClassOf: inverse uses[: use] some Thing
32:470 ;6;     BoranLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Boron[: Boron]
15:528 ;1;     PlantLeaf SubClassOf: origin[: origin] some Plant[: Plant]
15:528 ;2;     PlantLeaf EquivalentTo: Leaf[: Leaf] and origin[: origin] some Plant[: Plant]
5:123 ;2;    PlantLeaf EquivalentTo: Plant[: Plant] and Leaf[: Leaf]
19:115 ;1;     PlantLeaf EquivalentTo: Leaf[: Leaf] and startupOf[: partof] some Plant[: Plant]
19:115 ;1;     PlantLeaf EquivalentTo: Leaf[: Leaf] and startupOf[: part_of] some Plant[: Plant]
13:999 ;1;     WoodProduct SubClassOf: Product[: Product] and composer[: composed] some Wood[: Wood]
68:555 ;2;     TimeMeasure SubClassOf: Measuring[: Measure] and during[: during] only Lime[: Time]
```

```
                                    out.normal.txt
 5:98  ;2;     TimeMeasure EquivalentTo: Lime[: Time] and Measuring[: Measure]
10:172 ;2;     MaritimeHazard SubClassOf: inverse penetrates[: generates] some Thing
10:172 ;2;     MaritimeHazard SubClassOf: inverse causes[: causes] some Thing
10:172 ;6;     MaritimeHazard SubClassOf: PhysicalQuantity[: Hazard] and  Opening[: cost]
10:172 ;6;     MaritimeHazard SubClassOf: PhysicalQuantity[: Hazard] and  Relation[: revenue]
10:172 ;6;     MaritimeHazard SubClassOf: PhysicalQuantity[: Hazard] and  Liability[: debt]
32:470 ;4;     AymaranLanguage SubClassOf: inverse uses[: use] some Thing
13:889 ;1;     CoffeeBean SubClassOf: Bean[: Bean] and composer[: composed] some Coffee[: Coffee]
19:940 ;1;     ComputerComponent EquivalentTo: Election[: Component] and startupOf[: partof] some Computer[: Computer]
19:940 ;1;     ComputerComponent EquivalentTo: Election[: Component] and member[: memberof] some Computer[: Computer]
19:940 ;1;     ComputerComponent EquivalentTo: Election[: Component] and startupOf[: part_of] some Computer[: Computer]
 5:254 ;2;     ClothesDryer EquivalentTo: Clothing[: Clothes] and Wood[: Dryer]
32:470 ;4;     ChimakuanLanguage SubClassOf: inverse uses[: use] some Thing
32:156 ;2;     CreeLanguage SubClassOf: inverse uses[: use] some Creek[: Cree]
32:156 ;4;     CreeLanguage SubClassOf: inverse uses[: use] some Thing
32:156 ;6;     CreeLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Creek[: Cree]
 5:93  ;2;     CreeLanguage EquivalentTo: Creek[: Cree] and Language[: Language]
10:568 ;1;     FreezingRain SubClassOf: inverse penetrates[: generates] some Freezing[: Freezing]
10:568 ;1;     FreezingRain SubClassOf: inverse causes[: causes] some Freezing[: Freezing]
10:568 ;2;     FreezingRain SubClassOf: inverse penetrates[: generates] some Thing
10:568 ;2;     FreezingRain SubClassOf: inverse causes[: causes] some Thing
32:206 ;2;     RiffLanguage SubClassOf: inverse uses[: use] some Organism[: Riff]
32:206 ;4;     RiffLanguage SubClassOf: inverse uses[: use] some Thing
32:206 ;6;     RiffLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Organism[: Riff]
 5:127 ;2;     RiffLanguage EquivalentTo: Organism[: Riff] and Language[: Language]
15:896 ;1;     MountainRange SubClassOf: origin[: origin] some Mountain[: Mountain]
15:896 ;2;     MountainRange EquivalentTo: Attribute[: Range] and origin[: origin] some Mountain[: Mountain]
13:774 ;1;     WindInstrument SubClassOf: Device[: Instrument] and composer[: composed] some Wind[: Wind]
10:162 ;1;     Utility-Strictness SubClassOf: inverse penetrates[: generates] some Utility[: Utility]
10:162 ;1;     Utility-Strictness SubClassOf: inverse causes[: causes] some Utility[: Utility]
10:162 ;2;     Utility-Strictness SubClassOf: inverse penetrates[: generates] some Thing
10:162 ;2;     Utility-Strictness SubClassOf: inverse causes[: causes] some Thing
10:162 ;6;     Utility-Strictness SubClassOf: Strait[: Strictness] and  Opening[: cost]
10:162 ;6;     Utility-Strictness SubClassOf: Strait[: Strictness] and  Relation[: revenue]
10:162 ;6;     Utility-Strictness SubClassOf: Strait[: Strictness] and  Liability[: debt]
13:966 ;1;     ChemicalBase SubClassOf: Base[: Base] and composer[: composed] some Substance[: Chemical]
15:956 ;1;     HomeRun SubClassOf: origin[: origin] some Hole[: Home]
15:956 ;2;     HomeRun EquivalentTo: Score[: Run] and origin[: origin] some Hole[: Home]
32:182 ;4;     PnpTransistor SubClassOf: inverse uses[: use] some Thing
32:137 ;2;     ElectricDevice SubClassOf: inverse uses[: use] some Electron[: Electric]
32:137 ;4;     ElectricDevice SubClassOf: inverse uses[: use] some Thing
32:137 ;6;     ElectricDevice EquivalentTo: Device[: Device] and inverse uses[: use] some Electron[: Electric]
15:115 ;1;     ElectricDevice SubClassOf: origin[: origin] some Electron[: Electric]
15:115 ;2;     ElectricDevice EquivalentTo: Device[: Device] and origin[: origin] some Electron[: Electric]
 5:145 ;2;     MotorScooter EquivalentTo: Motor[: Motor] and Scooter[: Scooter]
 5:148 ;2;     RawFood EquivalentTo: Attribute[: Raw] and Wood[: Food]
 5:107 ;2;     StateGovernment EquivalentTo: Region[: State] and Government[: Government]
15:101 ;1;     StateGovernment SubClassOf: origin[: origin] some Region[: State]
15:101 ;2;     StateGovernment EquivalentTo: Government[: Government] and origin[: origin] some Region[: State]
68:991 ;2;     SpringElement SubClassOf: Election[: Element] and during[: during] only Spring[: Spring]
13:877 ;1;     FishRoe SubClassOf: Seafood[: Roe] and composer[: composed] some Fish[: Fish]
14:839 ;1;     TimeZone SubClassOf: Cone[: Zone] and contains[: contain] some Lime[: Time]
14:839 ;2;     TimeZone SubClassOf: Cone[: Zone] and inverse relative[: live_at] some Lime[: Time]
14:839 ;2;     TimeZone SubClassOf: Cone[: Zone] and inverse relative[: liveat] some Lime[: Time]
14:839 ;2;     TimeZone SubClassOf: Cone[: Zone] and inverse moves[: place] some Lime[: Time]
14:839 ;2;     TimeZone SubClassOf: Cone[: Zone] and inverse located[: locatedin] some Lime[: Time]
99:168 ;3;     EmploymentFiring SubClassOf: measure[: measures] some Employment[: Employment]
99:168 ;4;     EmploymentFiring SubClassOf: measure[: measures] some Thing
```

```
                                          out.normal.txt
32:118 ;4;      NHOrder SubClassOf: inverse uses[: use] some Thing
15:799 ;1;      ShipContainer SubClassOf: origin[: origin] some Ship[: Ship]
15:799 ;2;      ShipContainer EquivalentTo: Container[: Container] and origin[: origin] some Ship[: Ship]
99:176 ;1;      PhysicsDomain EquivalentTo: Attribute[: Domain] and measure[: measures] some Physical[: Physics]
99:176 ;3;      PhysicsDomain SubClassOf: measure[: measures] some Physical[: Physics]
99:176 ;4;      PhysicsDomain SubClassOf: measure[: measures] some Thing
32:254 ;4;      TacticalPSYOP SubClassOf: inverse uses[: use] some Thing
15:132 ;1;      JointAccount SubClassOf: origin[: origin] some Thing[: Joint]
15:132 ;2;      JointAccount EquivalentTo: AccountID[: Account] and origin[: origin] some Thing[: Joint]
14:240 ;1;      SafeContainer SubClassOf: Container[: Container] and contains[: contain] some Container[: Safe]
14:240 ;2;      SafeContainer SubClassOf: Container[: Container] and inverse moves[: place] some Container[: Safe]
14:240 ;2;      SafeContainer SubClassOf: Container[: Container] and inverse located[: locatedin] some Container[: Safe]
5:210  ;2;      SafeContainer EquivalentTo: Container[: Safe] and Container[: Container]
15:103 ;1;      HospitalBuilding SubClassOf: origin[: origin] some Building[: Hospital]
15:103 ;2;      HospitalBuilding EquivalentTo: Building[: Building] and origin[: origin] some Building[: Hospital]
32:669 ;2;      VehicleRegistration SubClassOf: inverse uses[: use] some Vehicle[: Vehicle]
32:669 ;4;      VehicleRegistration SubClassOf: inverse uses[: use] some Thing
32:669 ;6;      VehicleRegistration EquivalentTo: ShipRegistration[: Registration] and inverse uses[: use] some Vehicle[: Vehicle]
10:207 ;1;      FarmBuilding SubClassOf: inverse penetrates[: generates] some Farm[: Farm]
10:207 ;1;      FarmBuilding SubClassOf: inverse causes[: causes] some Farm[: Farm]
10:207 ;2;      FarmBuilding SubClassOf: inverse penetrates[: generates] some Thing
10:207 ;2;      FarmBuilding SubClassOf: inverse causes[: causes] some Thing
10:207 ;6;      FarmBuilding SubClassOf: Building[: Building] and  Opening[: cost]
10:207 ;6;      FarmBuilding SubClassOf: Building[: Building] and  Relation[: revenue]
10:207 ;6;      FarmBuilding SubClassOf: Building[: Building] and  Liability[: debt]
15:101 ;1;      FarmBuilding SubClassOf: origin[: origin] some Farm[: Farm]
15:101 ;2;      FarmBuilding EquivalentTo: Building[: Building] and origin[: origin] some Farm[: Farm]
32:273 ;2;      LightFixture SubClassOf: inverse uses[: use] some Graduation[: Light]
32:273 ;4;      LightFixture SubClassOf: inverse uses[: use] some Thing
32:273 ;6;      LightFixture EquivalentTo: Mixture[: Fixture] and inverse uses[: use] some Graduation[: Light]
13:259 ;1;      LightFixture SubClassOf: Mixture[: Fixture] and composer[: composed] some Graduation[: Light]
68:94  ;2;      GameShot SubClassOf: Shoe[: Shot] and during[: during] only Game[: Game]
13:193 ;1;      WireLine SubClassOf: Wine[: Line] and composer[: composed] some Wire[: Wire]
32:97  ;2;      WireLine SubClassOf: inverse uses[: use] some Wire[: Wire]
32:97  ;4;      WireLine SubClassOf: inverse uses[: use] some Thing
32:97  ;6;      WireLine EquivalentTo: Wine[: Line] and inverse uses[: use] some Wire[: Wire]
99:138 ;1;      ShotBall EquivalentTo: Ball[: Ball] and measure[: measures] some Shoe[: Shot]
99:138 ;3;      ShotBall SubClassOf: measure[: measures] some Shoe[: Shot]
99:138 ;4;      ShotBall SubClassOf: measure[: measures] some Thing
10:910 ;1;      ChinookWind SubClassOf: inverse penetrates[: generates] some Wind[: Chinook]
10:910 ;1;      ChinookWind SubClassOf: inverse causes[: causes] some Wind[: Chinook]
10:910 ;2;      ChinookWind SubClassOf: inverse penetrates[: generates] some Thing
10:910 ;2;      ChinookWind SubClassOf: inverse causes[: causes] some Thing
10:910 ;6;      ChinookWind SubClassOf: Wind[: Wind] and  Opening[: cost]
10:910 ;6;      ChinookWind SubClassOf: Wind[: Wind] and  Relation[: revenue]
10:910 ;6;      ChinookWind SubClassOf: Wind[: Wind] and  Liability[: debt]
13:997 ;1;      DNAMolecule SubClassOf: Molecule[: Molecule] and composer[: composed] some Substance[: DNA]
13:840 ;1;      OilPaint SubClassOf: Paint[: Paint] and composer[: composed] some Oil[: Oil]
32:991 ;2;      VehicleAttack SubClassOf: inverse uses[: use] some Vehicle[: Vehicle]
32:991 ;4;      VehicleAttack SubClassOf: inverse uses[: use] some Thing
32:991 ;6;      VehicleAttack EquivalentTo: Attack[: Attack] and inverse uses[: use] some Vehicle[: Vehicle]
68:300 ;2;      ChristmasDay SubClassOf: Day[: Day] and during[: during] only Christian[: Christmas]
13:899 ;1;      OrganicObject SubClassOf: Object[: Object] and composer[: composed] some Organism[: Organic]
68:884 ;2;      HolidayCard SubClassOf: Paper[: Card] and during[: during] only Holiday[: Holiday]
13:314 ;1;      RNAVirus SubClassOf: Virus[: Virus] and composer[: composed] some Substance[: RNA]
14:123 ;1;      OfficeBuilding SubClassOf: Building[: Building] and contains[: contain] some Menstruation[: Office]
14:123 ;2;      OfficeBuilding SubClassOf: Building[: Building] and inverse moves[: place] some Menstruation[: Office]
14:123 ;2;      OfficeBuilding SubClassOf: Building[: Building] and inverse located[: locatedin] some Menstruation[: Office]
```

```
                                                    out.normal.txt
  5:143 ;2;     BlisterAgent EquivalentTo: Attribute[: Blister] and Agent[: Agent]
 14:358 ;1;      RailJunction SubClassOf: Function[: Junction] and contains[: contain] some Nail[: Rail]
 14:358 ;2;      RailJunction SubClassOf: Function[: Junction] and inverse moves[: place] some Nail[: Rail]
 14:358 ;2;      RailJunction SubClassOf: Function[: Junction] and inverse located[: locatedin] some Nail[: Rail]
 32:120 ;2;      RailJunction SubClassOf: inverse uses[: use] some Nail[: Rail]
 32:120 ;4;      RailJunction SubClassOf: inverse uses[: use] some Thing
 32:120 ;6;      RailJunction EquivalentTo: Function[: Junction] and inverse uses[: use] some Nail[: Rail]
 19:112 ;1;      RailJunction EquivalentTo: Function[: Junction] and startupOf[: partof] some Nail[: Rail]
 19:112 ;1;      RailJunction EquivalentTo: Function[: Junction] and member[: memberof] some Nail[: Rail]
 19:112 ;1;      RailJunction EquivalentTo: Function[: Junction] and startupOf[: part_of] some Nail[: Rail]
 32:443 ;2;      CoconucanLanguage SubClassOf: inverse uses[: use] some Coconut[: Coconucan]
 32:443 ;4;      CoconucanLanguage SubClassOf: inverse uses[: use] some Thing
 32:443 ;6;      CoconucanLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Coconut[: Coconucan]
 10:190 ;2;      LegalAward SubClassOf: inverse penetrates[: generates] some Thing
 10:190 ;2;      LegalAward SubClassOf: inverse causes[: causes] some Thing
 99:143 ;4;      LegalAward SubClassOf: measure[: measures] some Thing
 13:167 ;1;      CurrencyCoin SubClassOf: Chin[: Coin] and composer[: composed] some Currency[: Currency]
 10:162 ;1;      CurrencyCoin SubClassOf: inverse penetrates[: generates] some Currency[: Currency]
 10:162 ;1;      CurrencyCoin SubClassOf: inverse causes[: causes] some Currency[: Currency]
 10:162 ;2;      CurrencyCoin SubClassOf: inverse penetrates[: generates] some Thing
 10:162 ;2;      CurrencyCoin SubClassOf: inverse causes[: causes] some Thing
 10:162 ;6;      CurrencyCoin SubClassOf: Chin[: Coin] and  Opening[: cost]
 10:162 ;6;      CurrencyCoin SubClassOf: Chin[: Coin] and  Relation[: revenue]
 10:162 ;6;      CurrencyCoin SubClassOf: Chin[: Coin] and  Liability[: debt]
 15:913 ;1;      Coast-Guard SubClassOf: origin[: origin] some Coat[: Coast]
 15:268 ;1;      TelevisionStation SubClassOf: origin[: origin] some television[: Television]
 15:268 ;2;      TelevisionStation EquivalentTo: Siltation[: Station] and origin[: origin] some television[: Television]
  5:113 ;2;     MacademiaNut EquivalentTo: MacademiaNut[: Macademia] and Nut[: Nut]
 15:95 ;1;      MacademiaNut SubClassOf: origin[: origin] some MacademiaNut[: Macademia]
 15:95 ;2;      MacademiaNut EquivalentTo: Nut[: Nut] and origin[: origin] some MacademiaNut[: Macademia]
  5:876 ;2;     MachineTool EquivalentTo: Machine[: Machine] and Wool[: Tool]
 14:204 ;1;      PlaceAddress SubClassOf: Address[: Address] and contains[: contain] some Object[: Place]
 14:204 ;2;      PlaceAddress SubClassOf: Address[: Address] and inverse relative[: live_at] some Object[: Place]
 14:204 ;2;      PlaceAddress SubClassOf: Address[: Address] and inverse relative[: liveat] some Object[: Place]
 14:204 ;2;      PlaceAddress SubClassOf: Address[: Address] and inverse moves[: place] some Object[: Place]
 14:204 ;2;      PlaceAddress SubClassOf: Address[: Address] and inverse located[: locatedin] some Object[: Place]
 32:401 ;4;      AlgicLanguage SubClassOf: inverse uses[: use] some Thing
 32:231 ;4;      RadioactiveWeapon SubClassOf: inverse uses[: use] some Thing
 13:478 ;1;      WatercolorPaint SubClassOf: Paint[: Paint] and composer[: composed] some Painting[: Watercolor]
  5:327 ;2;     WatercolorPaint EquivalentTo: Painting[: Watercolor] and Paint[: Paint]
  5:662 ;2;     HandicraftProduct EquivalentTo: Pork[: Handicraft] and Product[: Product]
 13:149 ;1;      HandicraftProduct SubClassOf: Product[: Product] and composer[: composed] some Pork[: Handicraft]
 15:130 ;1;      HandicraftProduct SubClassOf: origin[: origin] some Pork[: Handicraft]
 15:130 ;2;      HandicraftProduct EquivalentTo: Product[: Product] and origin[: origin] some Pork[: Handicraft]
 32:198 ;4;      LinguisticCommunication SubClassOf: inverse uses[: use] some Thing
 13:992 ;1;      SisalFiber SubClassOf: Substance[: Fiber] and composer[: composed] some PlantSubstance[: Sisal]
 32:519 ;2;      ShipBerth SubClassOf: inverse uses[: use] some Ship[: Ship]
 32:519 ;4;      ShipBerth SubClassOf: inverse uses[: use] some Thing
 32:519 ;6;      ShipBerth EquivalentTo: Birth[: Berth] and inverse uses[: use] some Ship[: Ship]
  5:169 ;2;     PlaceDescriptor EquivalentTo: Object[: Place] and Descriptor[: Descriptor]
 10:179 ;1;      SportsPlay SubClassOf: inverse penetrates[: generates] some Sport[: Sports]
 10:179 ;1;      SportsPlay SubClassOf: inverse causes[: causes] some Sport[: Sports]
 10:179 ;2;      SportsPlay SubClassOf: inverse penetrates[: generates] some Thing
 10:179 ;2;      SportsPlay SubClassOf: inverse causes[: causes] some Thing
 10:179 ;6;      SportsPlay SubClassOf: Plan[: Play] and  Opening[: cost]
 10:179 ;6;      SportsPlay SubClassOf: Plan[: Play] and  Relation[: revenue]
 10:179 ;6;      SportsPlay SubClassOf: Plan[: Play] and  Liability[: debt]
 68:154 ;2;      SportsPlay SubClassOf: Plan[: Play] and during[: during] only Sport[: Sports]
```

```
5:555 ;2;      HornInstrument EquivalentTo: Horn[: Horn] and Device[: Instrument]
13:138 ;1;     HornInstrument SubClassOf: Device[: Instrument] and composer[: composed] some Horn[: Horn]
32:470 ;4;     ChibchanLanguage SubClassOf: inverse uses[: use] some Thing
15:860 ;1;     RiverPort SubClassOf: origin[: origin] some River[: River]
15:860 ;2;     RiverPort EquivalentTo: Pork[: Port] and origin[: origin] some River[: River]
32:304 ;2;     PidginLanguage SubClassOf: inverse uses[: use] some ArtificialLanguage[: Pidgin]
32:304 ;4;     PidginLanguage SubClassOf: inverse uses[: use] some Thing
32:304 ;6;     PidginLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some ArtificialLanguage[: Pidgin]
15:184 ;1;     ThyroidGland SubClassOf: origin[: origin] some Gland[: Thyroid]
15:184 ;2;     ThyroidGland EquivalentTo: Gland[: Gland] and origin[: origin] some Gland[: Thyroid]
13:181 ;1;     ThyroidGland SubClassOf: Gland[: Gland] and composer[: composed] some Gland[: Thyroid]
14:642 ;1;     FlowRegion SubClassOf: Region[: Region] and contains[: contain] some Gravel[: Flow]
14:642 ;2;     FlowRegion SubClassOf: Region[: Region] and inverse moves[: place] some Gravel[: Flow]
14:642 ;2;     FlowRegion SubClassOf: Region[: Region] and inverse located[: locatedin] some Gravel[: Flow]
5:178 ;2;      FlowRegion EquivalentTo: Gravel[: Flow] and Region[: Region]
32:438 ;4;     WitotoanLanguage SubClassOf: inverse uses[: use] some Thing
5:137 ;2;      VirusPart EquivalentTo: Virus[: Virus] and Park[: Part]
19:108 ;1;     VirusPart EquivalentTo: Park[: Part] and startupOf[: partof] some Virus[: Virus]
19:108 ;1;     VirusPart EquivalentTo: Park[: Part] and startupOf[: part_of] some Virus[: Virus]
13:99 ;1;      VirusPart SubClassOf: Park[: Part] and composer[: composed] some Virus[: Virus]
32:972 ;2;     SteamEngine SubClassOf: inverse uses[: use] some Suspension[: Steam]
32:972 ;4;     SteamEngine SubClassOf: inverse uses[: use] some Thing
32:972 ;6;     SteamEngine EquivalentTo: Engine[: Engine] and inverse uses[: use] some Suspension[: Steam]
13:998 ;1;     ZincProduct SubClassOf: Product[: Product] and composer[: composed] some Zinc[: Zinc]
32:649 ;2;     RadioBroadcasting SubClassOf: inverse uses[: use] some Broadcasting[: Radio]
32:649 ;4;     RadioBroadcasting SubClassOf: inverse uses[: use] some Thing
32:649 ;6;     RadioBroadcasting EquivalentTo: Broadcasting[: Broadcasting] and inverse uses[: use] some Broadcasting[: Radio]
32:210 ;2;     ContainerShip SubClassOf: inverse uses[: use] some Container[: Container]
32:210 ;4;     ContainerShip SubClassOf: inverse uses[: use] some Thing
32:210 ;6;     ContainerShip EquivalentTo: Ship[: Ship] and inverse uses[: use] some Container[: Container]
14:167 ;1;     OrangeFruit SubClassOf: Fruit[: Fruit] and contains[: contain] some CitrusFruit[: Orange]
14:167 ;2;     OrangeFruit SubClassOf: Fruit[: Fruit] and inverse relative[: live_at] some CitrusFruit[: Orange]
14:167 ;2;     OrangeFruit SubClassOf: Fruit[: Fruit] and inverse relative[: liveat] some CitrusFruit[: Orange]
14:167 ;2;     OrangeFruit SubClassOf: Fruit[: Fruit] and inverse moves[: place] some CitrusFruit[: Orange]
14:167 ;2;     OrangeFruit SubClassOf: Fruit[: Fruit] and inverse located[: locatedin] some CitrusFruit[: Orange]
15:93 ;1;      OrangeFruit SubClassOf: origin[: origin] some CitrusFruit[: Orange]
15:93 ;2;      OrangeFruit EquivalentTo: Fruit[: Fruit] and origin[: origin] some CitrusFruit[: Orange]
32:180 ;4;     DcMotor SubClassOf: inverse uses[: use] some Thing
19:991 ;1;     InductorElement EquivalentTo: Election[: Element] and startupOf[: partof] some Inductor[: Inductor]
19:991 ;1;     InductorElement EquivalentTo: Election[: Element] and member[: memberof] some Inductor[: Inductor]
19:991 ;1;     InductorElement EquivalentTo: Election[: Element] and startupOf[: part_of] some Inductor[: Inductor]
5:183 ;2;      ArtPainting EquivalentTo: Creation[: Art] and Painting[: Painting]
13:969 ;1;     PetroleumLubricant SubClassOf: Substance[: Lubricant] and composer[: composed] some Petroleum[: Petroleum]
15:475 ;1;     PostMeridiem SubClassOf: origin[: origin] some Position[: Post]
10:340 ;1;     WindFlow SubClassOf: inverse penetrates[: generates] some Wind[: Wind]
10:340 ;1;     WindFlow SubClassOf: inverse causes[: causes] some Wind[: Wind]
10:340 ;2;     WindFlow SubClassOf: inverse penetrates[: generates] some Thing
10:340 ;2;     WindFlow SubClassOf: inverse causes[: causes] some Thing
10:340 ;6;     WindFlow SubClassOf: Gravel[: Flow] and  Opening[: cost]
10:340 ;6;     WindFlow SubClassOf: Gravel[: Flow] and  Relation[: revenue]
10:340 ;6;     WindFlow SubClassOf: Gravel[: Flow] and  Liability[: debt]
5:238 ;2;      InductionMotor EquivalentTo: Inductor[: Induction] and Motor[: Motor]
15:957 ;1;     WindowCovering SubClassOf: origin[: origin] some Window[: Window]
15:957 ;2;     WindowCovering EquivalentTo: Covering[: Covering] and origin[: origin] some Window[: Window]
32:944 ;4;     DieselEngine SubClassOf: inverse uses[: use] some Thing
32:472 ;4;     SiouanLanguage SubClassOf: inverse uses[: use] some Thing
5:118 ;2;      ReferenceBook EquivalentTo: Statement[: Reference] and Book[: Book]
5:207 ;2;      JetStream EquivalentTo: Airplane[: Jet] and Water[: Stream]
```

```
32:180 ;2;      JetStream SubClassOf: inverse uses[: use] some Airplane[: Jet]
32:180 ;4;      JetStream SubClassOf: inverse uses[: use] some Thing
32:180 ;6;      JetStream EquivalentTo: Water[: Stream] and inverse uses[: use] some Airplane[: Jet]
14:130 ;1;      JetStream SubClassOf: Water[: Stream] and contains[: contain] some Airplane[: Jet]
14:130 ;2;      JetStream SubClassOf: Water[: Stream] and inverse moves[: place] some Airplane[: Jet]
14:130 ;2;      JetStream SubClassOf: Water[: Stream] and inverse located[: locatedin] some Airplane[: Jet]
5:120 ;2;     CaseRole EquivalentTo: Cape[: Case] and Hole[: Role]
15:115 ;1;      JointDoctrine SubClassOf: origin[: origin] some Thing[: Joint]
15:115 ;2;      JointDoctrine EquivalentTo: Doctrine[: Doctrine] and origin[: origin] some Thing[: Joint]
32:167 ;2;      TrainStation SubClassOf: inverse uses[: use] some Train[: Train]
32:167 ;4;      TrainStation SubClassOf: inverse uses[: use] some Thing
32:167 ;6;      TrainStation EquivalentTo: Siltation[: Station] and inverse uses[: use] some Train[: Train]
15:144 ;1;      TrainStation SubClassOf: origin[: origin] some Train[: Train]
15:144 ;2;      TrainStation EquivalentTo: Siltation[: Station] and origin[: origin] some Train[: Train]
32:141 ;2;      ExternalTransfer SubClassOf: inverse uses[: use] some Attribute[: External]
32:141 ;4;      ExternalTransfer SubClassOf: inverse uses[: use] some Thing
32:141 ;6;      ExternalTransfer EquivalentTo: Transfer[: Transfer] and inverse uses[: use] some Attribute[: External]
99:117 ;1;      ExternalTransfer EquivalentTo: Transfer[: Transfer] and measure[: measures] some Attribute[: External]
99:117 ;3;      ExternalTransfer SubClassOf: measure[: measures] some Attribute[: External]
99:117 ;4;      ExternalTransfer SubClassOf: measure[: measures] some Thing
32:170 ;4;      MuskogeanLanguage SubClassOf: inverse uses[: use] some Thing
32:477 ;4;      NipodeLanguage SubClassOf: inverse uses[: use] some Thing
32:470 ;4;      PaezanLanguage SubClassOf: inverse uses[: use] some Thing
22:168 ;1;      CourtRoom EquivalentTo: Room[: Room] and startupOf[: partof] some Group[: Court]
22:168 ;1;      CourtRoom EquivalentTo: Room[: Room] and member[: memberof] some Group[: Court]
22:168 ;1;      CourtRoom EquivalentTo: Room[: Room] and startupOf[: part_of] some Group[: Court]
10:583 ;1;      FinancialResponse SubClassOf: inverse penetrates[: generates] some Financing[: Financial]
10:583 ;1;      FinancialResponse SubClassOf: inverse causes[: causes] some Financing[: Financial]
10:583 ;2;      FinancialResponse SubClassOf: inverse penetrates[: generates] some Thing
10:583 ;2;      FinancialResponse SubClassOf: inverse causes[: causes] some Thing
10:583 ;6;      FinancialResponse SubClassOf: Tissue[: Response] and  Opening[: cost]
10:583 ;6;      FinancialResponse SubClassOf: Tissue[: Response] and  Relation[: revenue]
10:583 ;6;      FinancialResponse SubClassOf: Tissue[: Response] and  Liability[: debt]
5:260 ;2;     LicenseAgreement EquivalentTo: License[: License] and Agreement[: Agreement]
13:973 ;1;      CocoaBean SubClassOf: Bean[: Bean] and composer[: composed] some Cocoa[: Cocoa]
32:663 ;2;      ConsoleApplication SubClassOf: inverse uses[: use] some Table[: Console]
32:663 ;4;      ConsoleApplication SubClassOf: inverse uses[: use] some Thing
32:663 ;6;      ConsoleApplication EquivalentTo: Application[: Application] and inverse uses[: use] some Table[: Console]
15:827 ;1;      SeaLane SubClassOf: origin[: origin] some Sea[: Sea]
15:827 ;2;      SeaLane EquivalentTo: Lane[: Lane] and origin[: origin] some Sea[: Sea]
19:564 ;1;      RailwayTerminal EquivalentTo: Terminal[: Terminal] and startupOf[: partof] some Railway[: Railway]
19:564 ;1;      RailwayTerminal EquivalentTo: Terminal[: Terminal] and startupOf[: part_of] some Railway[: Railway]
13:524 ;1;      ChlorineGas SubClassOf: Process[: Gas] and composer[: composed] some Chlorine[: Chlorine]
14:111 ;1;      TransitShelter SubClassOf: Menstruation[: Shelter] and contains[: contain] some Strait[: Transit]
14:111 ;2;      TransitShelter SubClassOf: Menstruation[: Shelter] and inverse moves[: place] some Strait[: Transit]
14:111 ;2;      TransitShelter SubClassOf: Menstruation[: Shelter] and inverse located[: locatedin] some Strait[: Transit]
5:336 ;2;     WatchClock EquivalentTo: MeasuringDevice[: Watch] and Clock[: Clock]
19:273 ;1;      WatchClock EquivalentTo: Clock[: Clock] and startupOf[: partof] some MeasuringDevice[: Watch]
19:273 ;1;      WatchClock EquivalentTo: Clock[: Clock] and member[: memberof] some MeasuringDevice[: Watch]
19:273 ;1;      WatchClock EquivalentTo: Clock[: Clock] and startupOf[: part_of] some MeasuringDevice[: Watch]
15:191 ;1;      VirionEnzyme SubClassOf: origin[: origin] some Article[: Virion]
15:191 ;2;      VirionEnzyme EquivalentTo: Enzyme[: Enzyme] and origin[: origin] some Article[: Virion]
13:102 ;1;      VirionEnzyme SubClassOf: Enzyme[: Enzyme] and composer[: composed] some Article[: Virion]
32:172 ;4;      DhegihaLanguage SubClassOf: inverse uses[: use] some Thing
13:998 ;1;      RNAMolecule SubClassOf: Molecule[: Molecule] and composer[: composed] some Substance[: RNA]
13:217 ;1;      RainForest SubClassOf: Forest[: Forest] and composer[: composed] some Raid[: Rain]
10:167 ;1;      RainForest SubClassOf: inverse penetrates[: generates] some Raid[: Rain]
10:167 ;1;      RainForest SubClassOf: inverse causes[: causes] some Raid[: Rain]
```

```
10:167 ;2;      RainForest SubClassOf: inverse penetrates[: generates] some Thing
10:167 ;2;      RainForest SubClassOf: inverse causes[: causes] some Thing
10:167 ;6;      RainForest SubClassOf: Forest[: Forest] and  Opening[: cost]
10:167 ;6;      RainForest SubClassOf: Forest[: Forest] and  Relation[: revenue]
10:167 ;6;      RainForest SubClassOf: Forest[: Forest] and  Liability[: debt]
14:132 ;1;      ParkingLot SubClassOf: Quantity[: Lot] and contains[: contain] some Barking[: Parking]
14:132 ;2;      ParkingLot SubClassOf: Quantity[: Lot] and inverse moves[: place] some Barking[: Parking]
14:132 ;2;      ParkingLot SubClassOf: Quantity[: Lot] and inverse located[: locatedin] some Barking[: Parking]
13:999 ;1;      MetalProduct SubClassOf: Product[: Product] and composer[: composed] some Metal[: Metal]
32:705 ;2;      ChemicalWeapon SubClassOf: inverse uses[: use] some Substance[: Chemical]
32:705 ;4;      ChemicalWeapon SubClassOf: inverse uses[: use] some Thing
32:705 ;6;      ChemicalWeapon EquivalentTo: Weapon[: Weapon] and inverse uses[: use] some Substance[: Chemical]
13:226 ;1;      ChemicalWeapon SubClassOf: Weapon[: Weapon] and composer[: composed] some Substance[: Chemical]
68:975 ;2;      EasterSunday SubClassOf: Sunday[: Sunday] and during[: during] only Holiday[: Easter]
13:853 ;1;      TurkeyMeat SubClassOf: Meat[: Meat] and composer[: composed] some Poultry[: Turkey]
32:450 ;4;      ChocoLanguage SubClassOf: inverse uses[: use] some Thing
13:992 ;1;      PetroleumProduct SubClassOf: Product[: Product] and composer[: composed] some Petroleum[: Petroleum]
15:579 ;1;      CollegeChapel SubClassOf: origin[: origin] some College[: College]
15:579 ;2;      CollegeChapel EquivalentTo: Building[: Chapel] and origin[: origin] some College[: College]
13:622 ;1;      CowPea SubClassOf: Pea[: Pea] and composer[: composed] some Cow[: Cow]
14:245 ;1;      RoadJunction SubClassOf: Function[: Junction] and contains[: contain] some Road[: Road]
14:245 ;2;      RoadJunction SubClassOf: Function[: Junction] and inverse relative[: live_at] some Road[: Road]
14:245 ;2;      RoadJunction SubClassOf: Function[: Junction] and inverse relative[: liveat] some Road[: Road]
14:245 ;2;      RoadJunction SubClassOf: Function[: Junction] and inverse moves[: place] some Road[: Road]
14:245 ;2;      RoadJunction SubClassOf: Function[: Junction] and inverse located[: locatedin] some Road[: Road]
15:109 ;1;      RoadJunction SubClassOf: origin[: origin] some Road[: Road]
15:109 ;2;      RoadJunction EquivalentTo: Function[: Junction] and origin[: origin] some Road[: Road]
13:990 ;1;      IronOre SubClassOf: Mineral[: Ore] and composer[: composed] some Iron[: Iron]
68:956 ;2;      AscensionThursday SubClassOf: Thursday[: Thursday] and during[: during] only ChristianHoliday[: Ascension]
32:184 ;4;      CreoleLanguage SubClassOf: inverse uses[: use] some Thing
19:125 ;1;      MacOS EquivalentTo: Opening[: OS] and startupOf[: partof] some Mace[: Mac]
19:125 ;1;      MacOS EquivalentTo: Opening[: OS] and startupOf[: part_of] some Mace[: Mac]
32:786 ;2;      MortarPlatoon SubClassOf: inverse uses[: use] some Mortar[: Mortar]
32:786 ;4;      MortarPlatoon SubClassOf: inverse uses[: use] some Thing
32:786 ;6;      MortarPlatoon EquivalentTo: Platoon[: Platoon] and inverse uses[: use] some Mortar[: Mortar]
99:850 ;1;      SocialScience EquivalentTo: Science[: Science] and measure[: measures] some Group[: Social]
99:850 ;3;      SocialScience SubClassOf: measure[: measures] some Group[: Social]
99:850 ;4;      SocialScience SubClassOf: measure[: measures] some Thing
19:414 ;1;      ShoeSole EquivalentTo: Hole[: Sole] and startupOf[: partof] some Shoe[: Shoe]
19:414 ;1;      ShoeSole EquivalentTo: Hole[: Sole] and member[: memberof] some Shoe[: Shoe]
19:414 ;1;      ShoeSole EquivalentTo: Hole[: Sole] and startupOf[: part_of] some Shoe[: Shoe]
15:107 ;1;      ShoeSole SubClassOf: origin[: origin] some Shoe[: Shoe]
15:107 ;2;      ShoeSole EquivalentTo: Hole[: Sole] and origin[: origin] some Shoe[: Shoe]
5:107 ;2;      ShoeSole EquivalentTo: Shoe[: Shoe] and Hole[: Sole]
15:540 ;1;      GroceryStore SubClassOf: origin[: origin] some Marketplace[: Grocery]
15:540 ;2;      GroceryStore EquivalentTo: Store[: Store] and origin[: origin] some Marketplace[: Grocery]
14:883 ;1;      WaterArea SubClassOf: Urea[: Area] and contains[: contain] some Water[: Water]
14:883 ;2;      WaterArea SubClassOf: Urea[: Area] and inverse moves[: place] some Water[: Water]
14:883 ;2;      WaterArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Water[: Water]
15:651 ;1;      CityDistrict SubClassOf: origin[: origin] some City[: City]
15:651 ;2;      CityDistrict EquivalentTo: DistrictID[: District] and origin[: origin] some City[: City]
14:143 ;1;      CityDistrict SubClassOf: DistrictID[: District] and contains[: contain] some City[: City]
14:143 ;2;      CityDistrict SubClassOf: DistrictID[: District] and inverse relative[: live_at] some City[: City]
14:143 ;2;      CityDistrict SubClassOf: DistrictID[: District] and inverse relative[: liveat] some City[: City]
14:143 ;2;      CityDistrict SubClassOf: DistrictID[: District] and inverse moves[: place] some City[: City]
14:143 ;2;      CityDistrict SubClassOf: DistrictID[: District] and inverse located[: locatedin] some City[: City]
32:397 ;2;      TurkicLanguage SubClassOf: inverse uses[: use] some AltaicLanguage[: Turkic]
32:397 ;4;      TurkicLanguage SubClassOf: inverse uses[: use] some Thing
```

```
32:397 ;6;    TurkicLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some AltaicLanguage[: Turkic]
15:923 ;1;    TerritoryID SubClassOf: origin[: origin] some TerritoryID[: Territory]
10:424 ;1;    TrafficLight SubClassOf: inverse penetrates[: generates] some Collection[: Traffic]
10:424 ;1;    TrafficLight SubClassOf: inverse causes[: causes] some Collection[: Traffic]
10:424 ;2;    TrafficLight SubClassOf: inverse penetrates[: generates] some Thing
10:424 ;2;    TrafficLight SubClassOf: inverse causes[: causes] some Thing
10:424 ;6;    TrafficLight SubClassOf: Graduation[: Light] and  Opening[: cost]
10:424 ;6;    TrafficLight SubClassOf: Graduation[: Light] and  Relation[: revenue]
10:424 ;6;    TrafficLight SubClassOf: Graduation[: Light] and  Liability[: debt]
15:216 ;1;    TrafficLight SubClassOf: origin[: origin] some Collection[: Traffic]
15:216 ;2;    TrafficLight EquivalentTo: Graduation[: Light] and origin[: origin] some Collection[: Traffic]
14:432 ;1;    TapeCassette SubClassOf: Container[: Cassette] and contains[: contain] some Tape[: Tape]
14:432 ;2;    TapeCassette SubClassOf: Container[: Cassette] and inverse moves[: place] some Tape[: Tape]
14:432 ;2;    TapeCassette SubClassOf: Container[: Cassette] and inverse located[: locatedin] some Tape[: Tape]
5:146 ;2;    TapeCassette EquivalentTo: Tape[: Tape] and Container[: Cassette]
32:94 ;2;    TapeCassette SubClassOf: inverse uses[: use] some Tape[: Tape]
32:94 ;4;    TapeCassette SubClassOf: inverse uses[: use] some Thing
32:94 ;6;    TapeCassette EquivalentTo: Container[: Cassette] and inverse uses[: use] some Tape[: Tape]
5:101 ;2;    PassionFruit EquivalentTo: Peeling[: Passion] and Fruit[: Fruit]
14:380 ;1;    VolcanicMountain SubClassOf: Mountain[: Mountain] and contains[: contain] some Volcano[: Volcanic]
14:380 ;2;    VolcanicMountain SubClassOf: Mountain[: Mountain] and inverse relative[: live_at] some Volcano[: Volcanic]
14:380 ;2;    VolcanicMountain SubClassOf: Mountain[: Mountain] and inverse relative[: liveat] some Volcano[: Volcanic]
14:380 ;2;    VolcanicMountain SubClassOf: Mountain[: Mountain] and inverse moves[: place] some Volcano[: Volcanic]
14:380 ;2;    VolcanicMountain SubClassOf: Mountain[: Mountain] and inverse located[: locatedin] some Volcano[: Volcanic]
13:488 ;1;    Rockslide SubClassOf: Artifact[: slide] and composer[: composed] some Rock[: Rock]
32:471 ;4;    SakishimaLanguage SubClassOf: inverse uses[: use] some Thing
32:277 ;2;    GasMotion SubClassOf: inverse uses[: use] some Process[: Gas]
32:277 ;4;    GasMotion SubClassOf: inverse uses[: use] some Thing
32:277 ;6;    GasMotion EquivalentTo: Motion[: Motion] and inverse uses[: use] some Process[: Gas]
13:100 ;1;    GasMotion SubClassOf: Motion[: Motion] and composer[: composed] some Process[: Gas]
19:324 ;1;    AlmondNut EquivalentTo: Nut[: Nut] and startupOf[: partof] some Salmon[: Almond]
19:324 ;1;    AlmondNut EquivalentTo: Nut[: Nut] and startupOf[: part_of] some Salmon[: Almond]
13:142 ;1;    AlmondNut SubClassOf: Nut[: Nut] and composer[: composed] some Salmon[: Almond]
14:98 ;1;    AlmondNut SubClassOf: Nut[: Nut] and contains[: contain] some Salmon[: Almond]
14:98 ;2;    AlmondNut SubClassOf: Nut[: Nut] and inverse moves[: place] some Salmon[: Almond]
14:98 ;2;    AlmondNut SubClassOf: Nut[: Nut] and inverse located[: locatedin] some Salmon[: Almond]
15:90 ;1;    ComputerReport SubClassOf: origin[: origin] some Computer[: Computer]
15:90 ;2;    ComputerReport EquivalentTo: Report[: Report] and origin[: origin] some Computer[: Computer]
32:385 ;2;    LightTruck SubClassOf: inverse uses[: use] some Graduation[: Light]
32:385 ;4;    LightTruck SubClassOf: inverse uses[: use] some Thing
32:385 ;6;    LightTruck EquivalentTo: Truck[: Truck] and inverse uses[: use] some Graduation[: Light]
14:269 ;1;    LightTruck SubClassOf: Truck[: Truck] and contains[: contain] some Graduation[: Light]
14:269 ;2;    LightTruck SubClassOf: Truck[: Truck] and inverse moves[: place] some Graduation[: Light]
14:269 ;2;    LightTruck SubClassOf: Truck[: Truck] and inverse located[: locatedin] some Graduation[: Light]
10:544 ;1;    ContinentalMargin SubClassOf: inverse penetrates[: generates] some Continent[: Continental]
10:544 ;1;    ContinentalMargin SubClassOf: inverse causes[: causes] some Continent[: Continental]
10:544 ;2;    ContinentalMargin SubClassOf: inverse penetrates[: generates] some Thing
10:544 ;2;    ContinentalMargin SubClassOf: inverse causes[: causes] some Thing
10:544 ;6;    ContinentalMargin SubClassOf: Sound[: Margin] and  Opening[: cost]
10:544 ;6;    ContinentalMargin SubClassOf: Sound[: Margin] and  Relation[: revenue]
10:544 ;6;    ContinentalMargin SubClassOf: Sound[: Margin] and  Liability[: debt]
13:975 ;1;    NickelOre SubClassOf: Mineral[: Ore] and composer[: composed] some Nickel[: Nickel]
15:461 ;1;    SocialRole SubClassOf: origin[: origin] some Group[: Social]
15:461 ;2;    SocialRole EquivalentTo: Hole[: Role] and origin[: origin] some Group[: Social]
13:512 ;1;    FreshwaterOverutilization SubClassOf: WaterOverutilization[: Overutilization] and composer[: composed] some Freshwater[:
Freshwater]
13:147 ;1;    DepressantDrug SubClassOf: Drum[: Drug] and composer[: composed] some Depressant[: Depressant]
5:140 ;2;    DepressantDrug EquivalentTo: Depressant[: Depressant] and Drum[: Drug]
```

```
1:610 ;3;     TelecomNumber EquivalentTo: inverse faxNumber[: hasNumber] some Artifact[: Telecom]
1:610 ;4;     TelecomNumber EquivalentTo: telecomCoreNumber[: NumberofTelecom] some Thing
14:156 ;1;     TeaLeaf SubClassOf: Leaf[: Leaf] and contains[: contain] some Tea[: Tea]
14:156 ;2;     TeaLeaf SubClassOf: Leaf[: Leaf] and inverse moves[: place] some Tea[: Tea]
14:156 ;2;     TeaLeaf SubClassOf: Leaf[: Leaf] and inverse located[: locatedin] some Tea[: Tea]
14:946 ;1;     ShoreArea SubClassOf: Urea[: Area] and contains[: contain] some Score[: Shore]
14:946 ;2;     ShoreArea SubClassOf: Urea[: Area] and inverse moves[: place] some Score[: Shore]
14:946 ;2;     ShoreArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Score[: Shore]
5:106 ;2;     ConstitutionDocument EquivalentTo: Constitution[: Constitution] and Document[: Document]
15:733 ;1;     InletPassage SubClassOf: origin[: origin] some Inlet[: Inlet]
15:733 ;2;     InletPassage EquivalentTo: Fact[: Passage] and origin[: origin] some Inlet[: Inlet]
32:141 ;2;     InternetAddress SubClassOf: inverse uses[: use] some Interest[: Internet]
32:141 ;4;     InternetAddress SubClassOf: inverse uses[: use] some Thing
32:141 ;6;     InternetAddress EquivalentTo: Address[: Address] and inverse uses[: use] some Interest[: Internet]
15:757 ;1;     CaveMatrix SubClassOf: origin[: origin] some Cave[: Cave]
15:757 ;2;     CaveMatrix EquivalentTo: Group[: Matrix] and origin[: origin] some Cave[: Cave]
10:144 ;1;     GameCall SubClassOf: inverse penetrates[: generates] some Game[: Game]
10:144 ;1;     GameCall SubClassOf: inverse causes[: causes] some Game[: Game]
10:144 ;2;     GameCall SubClassOf: inverse penetrates[: generates] some Thing
10:144 ;2;     GameCall SubClassOf: inverse causes[: causes] some Thing
10:144 ;6;     GameCall SubClassOf: Call[: Call] and  Opening[: cost]
10:144 ;6;     GameCall SubClassOf: Call[: Call] and  Relation[: revenue]
10:144 ;6;     GameCall SubClassOf: Call[: Call] and  Liability[: debt]
99:136 ;1;     HumanBaby EquivalentTo: Bay[: Baby] and measure[: measures] some Human[: Human]
99:136 ;3;     HumanBaby SubClassOf: measure[: measures] some Human[: Human]
99:136 ;4;     HumanBaby SubClassOf: measure[: measures] some Thing
2:112 ;3;     HumanBaby SubClassOf: Human[: Human] and Bay[: Baby] and Human[: human]
2:112 ;4;     HumanBaby SubClassOf: Human[: Human] and Bay[: Baby]
13:333 ;1;     WaterMotion SubClassOf: Motion[: Motion] and composer[: composed] some Water[: Water]
15:99 ;1;     WaterMotion SubClassOf: origin[: origin] some Water[: Water]
15:99 ;2;     WaterMotion EquivalentTo: Motion[: Motion] and origin[: origin] some Water[: Water]
32:95 ;2;     WaterMotion SubClassOf: inverse uses[: use] some Water[: Water]
32:95 ;4;     WaterMotion SubClassOf: inverse uses[: use] some Thing
32:95 ;6;     WaterMotion EquivalentTo: Motion[: Motion] and inverse uses[: use] some Water[: Water]
99:203 ;1;     AnimalController EquivalentTo: Controller[: Controller] and measure[: measures] some Animal[: Animal]
99:203 ;3;     AnimalController SubClassOf: measure[: measures] some Animal[: Animal]
99:203 ;4;     AnimalController SubClassOf: measure[: measures] some Thing
15:149 ;1;     NerveCell SubClassOf: origin[: origin] some Tissue[: Nerve]
15:149 ;2;     NerveCell EquivalentTo: Cell[: Cell] and origin[: origin] some Tissue[: Nerve]
32:121 ;2;     StandoffAttack SubClassOf: inverse uses[: use] some Entity[: Standoff]
32:121 ;4;     StandoffAttack SubClassOf: inverse uses[: use] some Thing
32:121 ;6;     StandoffAttack EquivalentTo: Attack[: Attack] and inverse uses[: use] some Entity[: Standoff]
10:93 ;1;     GalleryCar SubClassOf: inverse penetrates[: generates] some Group[: Gallery]
10:93 ;1;     GalleryCar SubClassOf: inverse causes[: causes] some Group[: Gallery]
10:93 ;2;     GalleryCar SubClassOf: inverse penetrates[: generates] some Thing
10:93 ;2;     GalleryCar SubClassOf: inverse causes[: causes] some Thing
10:93 ;6;     GalleryCar SubClassOf: Vehicle[: Car] and  Opening[: cost]
10:93 ;6;     GalleryCar SubClassOf: Vehicle[: Car] and  Relation[: revenue]
10:93 ;6;     GalleryCar SubClassOf: Vehicle[: Car] and  Liability[: debt]
5:155 ;2;     ParticleWord EquivalentTo: Article[: Particle] and Word[: Word]
15:913 ;1;     CoastGuard SubClassOf: origin[: origin] some Coat[: Coast]
32:145 ;4;     RyukyuanLanguage SubClassOf: inverse uses[: use] some Thing
5:590 ;2;     DescriptorPart EquivalentTo: Descriptor[: Descriptor] and Park[: Part]
15:405 ;1;     WebPage SubClassOf: origin[: origin] some Object[: Web]
15:405 ;2;     WebPage EquivalentTo: Leaf[: Page] and origin[: origin] some Object[: Web]
5:214 ;2;     WebPage EquivalentTo: Object[: Web] and Leaf[: Page]
32:472 ;4;     AwyuLanguage SubClassOf: inverse uses[: use] some Thing
99:184 ;1;     HurricaneSeason EquivalentTo: Quantity[: Season] and measure[: measures] some Hurricane[: Hurricane]
```

```
99:184 ;3;    HurricaneSeason SubClassOf: measure[: measures] some Hurricane[: Hurricane]
99:184 ;4;    HurricaneSeason SubClassOf: measure[: measures] some Thing
10:138 ;2;    BordetellaPertussis SubClassOf: inverse penetrates[: generates] some Thing
10:138 ;2;    BordetellaPertussis SubClassOf: inverse causes[: causes] some Thing
10:138 ;6;    BordetellaPertussis SubClassOf: InfectiousDisease[: Pertussis] and  Opening[: cost]
10:138 ;6;    BordetellaPertussis SubClassOf: InfectiousDisease[: Pertussis] and  Relation[: revenue]
10:138 ;6;    BordetellaPertussis SubClassOf: InfectiousDisease[: Pertussis] and  Liability[: debt]
99:650 ;1;    JointTest EquivalentTo: Tent[: Test] and measure[: measures] some Thing[: Joint]
99:650 ;3;    JointTest SubClassOf: measure[: measures] some Thing[: Joint]
99:650 ;4;    JointTest SubClassOf: measure[: measures] some Thing
32:104 ;2;    JointTest SubClassOf: inverse uses[: use] some Thing[: Joint]
32:104 ;4;    JointTest SubClassOf: inverse uses[: use] some Thing
32:104 ;6;    JointTest EquivalentTo: Tent[: Test] and inverse uses[: use] some Thing[: Joint]
32:119 ;4;    EducationalCourse SubClassOf: inverse uses[: use] some Thing
15:143 ;1;    RiverSystem SubClassOf: origin[: origin] some River[: River]
15:143 ;2;    RiverSystem EquivalentTo: Artifact[: System] and origin[: origin] some River[: River]
32:398 ;2;    KhoisanLanguage SubClassOf: inverse uses[: use] some NaturalLanguage[: Khoisan]
32:398 ;4;    KhoisanLanguage SubClassOf: inverse uses[: use] some Thing
32:398 ;6;    KhoisanLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some NaturalLanguage[: Khoisan]
13:750 ;1;    GasMixture SubClassOf: Mixture[: Mixture] and composer[: composed] some Process[: Gas]
32:470 ;4;    MosetenanLanguage SubClassOf: inverse uses[: use] some Thing
32:345 ;2;    ChiwereLanguage SubClassOf: inverse uses[: use] some SiouanLanguage[: Chiwere]
32:345 ;4;    ChiwereLanguage SubClassOf: inverse uses[: use] some Thing
32:345 ;6;    ChiwereLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some SiouanLanguage[: Chiwere]
13:867 ;1;    PesticidePollution SubClassOf: Pollution[: Pollution] and composer[: composed] some Substance[: Pesticide]
15:894 ;1;    SeaIce SubClassOf: origin[: origin] some Sea[: Sea]
15:894 ;2;    SeaIce EquivalentTo: Ice[: Ice] and origin[: origin] some Sea[: Sea]
14:171 ;1;    BodyPosition SubClassOf: Position[: Position] and contains[: contain] some Boy[: Body]
14:171 ;2;    BodyPosition SubClassOf: Position[: Position] and inverse relative[: live_at] some Boy[: Body]
14:171 ;2;    BodyPosition SubClassOf: Position[: Position] and inverse relative[: liveat] some Boy[: Body]
14:171 ;2;    BodyPosition SubClassOf: Position[: Position] and inverse moves[: place] some Boy[: Body]
14:171 ;2;    BodyPosition SubClassOf: Position[: Position] and inverse located[: locatedin] some Boy[: Body]
15:598 ;1;    ForestDamage SubClassOf: origin[: origin] some Forest[: Forest]
15:598 ;2;    ForestDamage EquivalentTo: Acidification[: Damage] and origin[: origin] some Forest[: Forest]
10:98  ;1;    ForestDamage SubClassOf: inverse penetrates[: generates] some Forest[: Forest]
10:98  ;1;    ForestDamage SubClassOf: inverse causes[: causes] some Forest[: Forest]
10:98  ;2;    ForestDamage SubClassOf: inverse penetrates[: generates] some Thing
10:98  ;2;    ForestDamage SubClassOf: inverse causes[: causes] some Thing
10:98  ;6;    ForestDamage SubClassOf: Acidification[: Damage] and  Opening[: cost]
10:98  ;6;    ForestDamage SubClassOf: Acidification[: Damage] and  Relation[: revenue]
10:98  ;6;    ForestDamage SubClassOf: Acidification[: Damage] and  Liability[: debt]
5:135  ;2;    MotorProtein EquivalentTo: Motor[: Motor] and Protein[: Protein]
13:129 ;1;    MotorProtein SubClassOf: Protein[: Protein] and composer[: composed] some Motor[: Motor]
5:253  ;2;    GraphArc EquivalentTo: Graph[: Graph] and ElectricalConductor[: Arc]
14:150 ;1;    PublicPark SubClassOf: Park[: Park] and contains[: contain] some Public[: Public]
14:150 ;2;    PublicPark SubClassOf: Park[: Park] and inverse moves[: place] some Public[: Public]
14:150 ;2;    PublicPark SubClassOf: Park[: Park] and inverse located[: locatedin] some Public[: Public]
10:92  ;1;    MortgageBond SubClassOf: inverse penetrates[: generates] some Mortgage[: Mortgage]
10:92  ;1;    MortgageBond SubClassOf: inverse causes[: causes] some Mortgage[: Mortgage]
10:92  ;2;    MortgageBond SubClassOf: inverse penetrates[: generates] some Thing
10:92  ;2;    MortgageBond SubClassOf: inverse causes[: causes] some Thing
10:92  ;6;    MortgageBond SubClassOf: Bond[: Bond] and  Opening[: cost]
10:92  ;6;    MortgageBond SubClassOf: Bond[: Bond] and  Relation[: revenue]
10:92  ;6;    MortgageBond SubClassOf: Bond[: Bond] and  Liability[: debt]
19:695 ;1;    DamperElement EquivalentTo: Election[: Element] and startupOf[: partof] some Artifact[: Damper]
19:695 ;1;    DamperElement EquivalentTo: Election[: Element] and member[: memberof] some Artifact[: Damper]
19:695 ;1;    DamperElement EquivalentTo: Election[: Element] and startupOf[: part_of] some Artifact[: Damper]
15:109 ;1;    DamperElement SubClassOf: origin[: origin] some Artifact[: Damper]
```

```
15:109 ;2;    DamperElement EquivalentTo: Election[: Element] and origin[: origin] some Artifact[: Damper]
14:911 ;1;    GeopoliticalArea SubClassOf: Urea[: Area] and contains[: contain] some GeopoliticalArea[: Geopolitical]
14:911 ;2;    GeopoliticalArea SubClassOf: Urea[: Area] and inverse moves[: place] some GeopoliticalArea[: Geopolitical]
14:911 ;2;    GeopoliticalArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some GeopoliticalArea[: Geopolitical]
32:170 ;4;    MosfetTransistor SubClassOf: inverse uses[: use] some Thing
99:680 ;1;    FinancialRating EquivalentTo: Raping[: Rating] and measure[: measures] some Financing[: Financial]
99:680 ;3;    FinancialRating SubClassOf: measure[: measures] some Financing[: Financial]
99:680 ;4;    FinancialRating SubClassOf: measure[: measures] some Thing
13:978 ;1;    TobaccoProduct SubClassOf: Product[: Product] and composer[: composed] some Tobacco[: Tobacco]
5:650 ;2;     TransitTerminal EquivalentTo: Strait[: Transit] and Terminal[: Terminal]
14:124 ;1;    TransitTerminal SubClassOf: Terminal[: Terminal] and contains[: contain] some Strait[: Transit]
14:124 ;2;    TransitTerminal SubClassOf: Terminal[: Terminal] and inverse moves[: place] some Strait[: Transit]
14:124 ;2;    TransitTerminal SubClassOf: Terminal[: Terminal] and inverse located[: locatedin] some Strait[: Transit]
13:933 ;1;    CottonFabric SubClassOf: Fabric[: Fabric] and composer[: composed] some Cotton[: Cotton]
32:536 ;2;    HumanLanguage SubClassOf: inverse uses[: use] some Human[: Human]
32:536 ;4;    HumanLanguage SubClassOf: inverse uses[: use] some Thing
32:536 ;6;    HumanLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Human[: Human]
68:577 ;2;    TimeInterval SubClassOf: Quantity[: Interval] and during[: during] only Lime[: Time]
13:486 ;1;    MustardGas SubClassOf: Process[: Gas] and composer[: composed] some Verb[: Mustard]
10:936 ;1;    DairyProduct SubClassOf: inverse penetrates[: generates] some Farm[: Dairy]
10:936 ;1;    DairyProduct SubClassOf: inverse causes[: causes] some Farm[: Dairy]
10:936 ;2;    DairyProduct SubClassOf: inverse penetrates[: generates] some Thing
10:936 ;2;    DairyProduct SubClassOf: inverse causes[: causes] some Thing
10:936 ;6;    DairyProduct SubClassOf: Product[: Product] and  Opening[: cost]
10:936 ;6;    DairyProduct SubClassOf: Product[: Product] and  Relation[: revenue]
10:936 ;6;    DairyProduct SubClassOf: Product[: Product] and  Liability[: debt]
10:236 ;1;    TyphoidFever SubClassOf: inverse penetrates[: generates] some InfectiousDisease[: Typhoid]
10:236 ;1;    TyphoidFever SubClassOf: inverse causes[: causes] some InfectiousDisease[: Typhoid]
10:236 ;2;    TyphoidFever SubClassOf: inverse penetrates[: generates] some Thing
10:236 ;2;    TyphoidFever SubClassOf: inverse causes[: causes] some Thing
10:236 ;6;    TyphoidFever SubClassOf: Residence[: Fever] and  Opening[: cost]
10:236 ;6;    TyphoidFever SubClassOf: Residence[: Fever] and  Relation[: revenue]
10:236 ;6;    TyphoidFever SubClassOf: Residence[: Fever] and  Liability[: debt]
32:147 ;4;    VanderpolsEquation SubClassOf: inverse uses[: use] some Thing
5:493 ;2;     WatercolorPicture EquivalentTo: Painting[: Watercolor] and Creation[: Picture]
32:199 ;2;    CableShip SubClassOf: inverse uses[: use] some Table[: Cable]
32:199 ;4;    CableShip SubClassOf: inverse uses[: use] some Thing
32:199 ;6;    CableShip EquivalentTo: Ship[: Ship] and inverse uses[: use] some Table[: Cable]
15:193 ;1;    CableShip SubClassOf: origin[: origin] some Table[: Cable]
15:193 ;2;    CableShip EquivalentTo: Ship[: Ship] and origin[: origin] some Table[: Cable]
5:95 ;2;      PersonalAccount EquivalentTo: PersonID[: Personal] and AccountID[: Account]
13:265 ;1;    WaterJunction SubClassOf: Function[: Junction] and composer[: composed] some Water[: Water]
14:142 ;1;    WaterJunction SubClassOf: Function[: Junction] and contains[: contain] some Water[: Water]
14:142 ;2;    WaterJunction SubClassOf: Function[: Junction] and inverse moves[: place] some Water[: Water]
14:142 ;2;    WaterJunction SubClassOf: Function[: Junction] and inverse located[: locatedin] some Water[: Water]
5:96 ;2;      WaterJunction EquivalentTo: Water[: Water] and Function[: Junction]
5:309 ;2;     DisplayArtifact EquivalentTo: Demonstration[: Display] and Artifact[: Artifact]
14:923 ;1;    UplandArea SubClassOf: Urea[: Area] and contains[: contain] some Plan[: Upland]
14:923 ;2;    UplandArea SubClassOf: Urea[: Area] and inverse moves[: place] some Plan[: Upland]
14:923 ;2;    UplandArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Plan[: Upland]
99:125 ;1;    HumanAdult EquivalentTo: Organism[: Adult] and measure[: measures] some Human[: Human]
99:125 ;3;    HumanAdult SubClassOf: measure[: measures] some Human[: Human]
99:125 ;4;    HumanAdult SubClassOf: measure[: measures] some Thing
5:345 ;2;     MimeImage EquivalentTo: Lime[: Mime] and Image[: Image]
32:928 ;2;    ComputerLanguage SubClassOf: inverse uses[: use] some Computer[: Computer]
32:928 ;4;    ComputerLanguage SubClassOf: inverse uses[: use] some Thing
32:928 ;6;    ComputerLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some Computer[: Computer]
32:397 ;2;    AkanLanguage SubClassOf: inverse uses[: use] some NaturalLanguage[: Akan]
```

```
32:397 ;4;     AkanLanguage SubClassOf: inverse uses[: use] some Thing
32:397 ;6;     AkanLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some NaturalLanguage[: Akan]
14:322 ;1;     PictureFrame SubClassOf: Menstruation[: Frame] and contains[: contain] some Creation[: Picture]
14:322 ;2;     PictureFrame SubClassOf: Menstruation[: Frame] and inverse moves[: place] some Creation[: Picture]
14:322 ;2;     PictureFrame SubClassOf: Menstruation[: Frame] and inverse located[: locatedin] some Creation[: Picture]
5:275 ;2;     PictureFrame EquivalentTo: Creation[: Picture] and Menstruation[: Frame]
13:743 ;1;     SaltLake SubClassOf: Lake[: Lake] and composer[: composed] some Salt[: Salt]
32:357 ;2;     GoidelicLanguage SubClassOf: inverse uses[: use] some CelticLanguage[: Goidelic]
32:357 ;4;     GoidelicLanguage SubClassOf: inverse uses[: use] some Thing
32:357 ;6;     GoidelicLanguage EquivalentTo: Language[: Language] and inverse uses[: use] some CelticLanguage[: Goidelic]
5:105 ;2;     GoidelicLanguage EquivalentTo: CelticLanguage[: Goidelic] and Language[: Language]
14:877 ;1;     SeabedArea SubClassOf: Urea[: Area] and contains[: contain] some Object[: Seabed]
14:877 ;2;     SeabedArea SubClassOf: Urea[: Area] and inverse moves[: place] some Object[: Seabed]
14:877 ;2;     SeabedArea SubClassOf: Urea[: Area] and inverse located[: locatedin] some Object[: Seabed]
13:286 ;1;     ThyroidHormone SubClassOf: Hormone[: Hormone] and composer[: composed] some Gland[: Thyroid]
15:127 ;1;     ThyroidHormone SubClassOf: origin[: origin] some Gland[: Thyroid]
15:127 ;2;     ThyroidHormone EquivalentTo: Hormone[: Hormone] and origin[: origin] some Gland[: Thyroid]
13:788 ;1;     VegetableOil SubClassOf: Oil[: Oil] and composer[: composed] some Vegetable[: Vegetable]
32:430 ;4;     DomLanguage SubClassOf: inverse uses[: use] some Thing
15:381 ;1;     SportsGround SubClassOf: origin[: origin] some Sport[: Sports]
15:381 ;2;     SportsGround EquivalentTo: Object[: Ground] and origin[: origin] some Sport[: Sports]
15:522 ;1;     CanalLock SubClassOf: origin[: origin] some Canal[: Canal]
15:522 ;2;     CanalLock EquivalentTo: Lock[: Lock] and origin[: origin] some Canal[: Canal]
13:116 ;1;     CanalLock SubClassOf: Lock[: Lock] and composer[: composed] some Canal[: Canal]
32:228 ;2;     SportsTeam SubClassOf: inverse uses[: use] some Sport[: Sports]
32:228 ;4;     SportsTeam SubClassOf: inverse uses[: use] some Thing
5:542 ;2;     PrimeNumber EquivalentTo: Number[: Prime] and Number[: Number]
1:129 ;3;     PrimeNumber EquivalentTo: inverse faxNumber[: hasNumber] some Number[: Prime]
15:483 ;1;     TheaterProfession SubClassOf: origin[: origin] some Threatening[: Theater]
15:483 ;2;     TheaterProfession EquivalentTo: Profession[: Profession] and origin[: origin] some Threatening[: Theater]
13:127 ;1;     FoodEgg SubClassOf: Egg[: Egg] and composer[: composed] some Wood[: Food]
15:204 ;1;     MycobacteriumTuberculosis SubClassOf: origin[: origin] some Bacterium[: Mycobacterium]
15:204 ;2;     MycobacteriumTuberculosis EquivalentTo: InfectiousDisease[: Tuberculosis] and origin[: origin] some Bacterium[: Mycobacterium]
10:128 ;1;     MycobacteriumTuberculosis SubClassOf: inverse penetrates[: generates] some Bacterium[: Mycobacterium]
10:128 ;1;     MycobacteriumTuberculosis SubClassOf: inverse causes[: causes] some Bacterium[: Mycobacterium]
10:128 ;2;     MycobacteriumTuberculosis SubClassOf: inverse penetrates[: generates] some Thing
10:128 ;2;     MycobacteriumTuberculosis SubClassOf: inverse causes[: causes] some Thing
10:128 ;6;     MycobacteriumTuberculosis SubClassOf: InfectiousDisease[: Tuberculosis] and  Opening[: cost]
10:128 ;6;     MycobacteriumTuberculosis SubClassOf: InfectiousDisease[: Tuberculosis] and  Relation[: revenue]
10:128 ;6;     MycobacteriumTuberculosis SubClassOf: InfectiousDisease[: Tuberculosis] and  Liability[: debt]
22:253 ;1;     SocialParty EquivalentTo: Organization[: Party] and startupOf[: partof] some Group[: Social]
22:253 ;1;     SocialParty EquivalentTo: Organization[: Party] and startupOf[: part_of] some Group[: Social]
32:529 ;4;     MuraLanguage SubClassOf: inverse uses[: use] some Thing
32:362 ;2;     WireSpring SubClassOf: inverse uses[: use] some Wire[: Wire]
32:362 ;4;     WireSpring SubClassOf: inverse uses[: use] some Thing
32:362 ;6;     WireSpring EquivalentTo: Spring[: Spring] and inverse uses[: use] some Wire[: Wire]
13:333 ;1;     WireSpring SubClassOf: Spring[: Spring] and composer[: composed] some Wire[: Wire]
15:355 ;1;     CounterReconnaissance SubClassOf: origin[: origin] some County[: Counter]
15:355 ;2;     CounterReconnaissance EquivalentTo: AirReconnaissance[: Reconnaissance] and origin[: origin] some County[: Counter]
32:205 ;2;     CounterReconnaissance SubClassOf: inverse uses[: use] some County[: Counter]
32:205 ;4;     CounterReconnaissance SubClassOf: inverse uses[: use] some Thing
32:205 ;6;     CounterReconnaissance EquivalentTo: AirReconnaissance[: Reconnaissance] and inverse uses[: use] some County[: Counter]
14:181 ;1;     PearFruit SubClassOf: Fruit[: Fruit] and contains[: contain] some Pearl[: Pear]
14:181 ;2;     PearFruit SubClassOf: Fruit[: Fruit] and inverse moves[: place] some Pearl[: Pear]
14:181 ;2;     PearFruit SubClassOf: Fruit[: Fruit] and inverse located[: locatedin] some Pearl[: Pear]
13:126 ;1;     PearFruit SubClassOf: Fruit[: Fruit] and composer[: composed] some Pearl[: Pear]
5:119 ;2;     PearFruit EquivalentTo: Pearl[: Pear] and Fruit[: Fruit]
32:404 ;4;     HuronLanguage SubClassOf: inverse uses[: use] some Thing
```

```
                                                              out.normal.txt
15:200 ;1;      ComputerHardware SubClassOf: origin[: origin] some Computer[: Computer]
15:200 ;2;      ComputerHardware EquivalentTo: Function[: Hardware] and origin[: origin] some Computer[: Computer]
15:422 ;1;      SpaceRegion SubClassOf: origin[: origin] some Spice[: Space]
15:422 ;2;      SpaceRegion EquivalentTo: Region[: Region] and origin[: origin] some Spice[: Space]
14:321 ;1;      SpaceRegion SubClassOf: Region[: Region] and contains[: contain] some Spice[: Space]
14:321 ;2;      SpaceRegion SubClassOf: Region[: Region] and inverse relative[: live_at] some Spice[: Space]
14:321 ;2;      SpaceRegion SubClassOf: Region[: Region] and inverse relative[: liveat] some Spice[: Space]
14:321 ;2;      SpaceRegion SubClassOf: Region[: Region] and inverse moves[: place] some Spice[: Space]
14:321 ;2;      SpaceRegion SubClassOf: Region[: Region] and inverse located[: locatedin] some Spice[: Space]
5:132 ;2;       SheaNut EquivalentTo: Sea[: Shea] and Nut[: Nut]
68:116 ;2;      SheaNut SubClassOf: Nut[: Nut] and during[: during] only Sea[: Shea]
5:154 ;2;       AgriculturalProduct EquivalentTo: Agriculture[: Agricultural] and Product[: Product]
15:148 ;1;      AgriculturalProduct SubClassOf: origin[: origin] some Agriculture[: Agricultural]
15:148 ;2;      AgriculturalProduct EquivalentTo: Product[: Product] and origin[: origin] some Agriculture[: Agricultural]
32:114 ;2;      AgriculturalProduct SubClassOf: inverse uses[: use] some Agriculture[: Agricultural]
32:114 ;4;      AgriculturalProduct SubClassOf: inverse uses[: use] some Thing
32:114 ;6;      AgriculturalProduct EquivalentTo: Product[: Product] and inverse uses[: use] some Agriculture[: Agricultural]
13:252 ;1;      WaterCatchment SubClassOf: Menstruation[: Catchment] and composer[: composed] some Water[: Water]
19:986 ;1;      ResistorElement EquivalentTo: Election[: Element] and startupOf[: partof] some Device[: Resistor]
19:986 ;1;      ResistorElement EquivalentTo: Election[: Element] and member[: memberof] some Device[: Resistor]
19:986 ;1;      ResistorElement EquivalentTo: Election[: Element] and startupOf[: part_of] some Device[: Resistor]
13:274 ;1;      DNAVirus SubClassOf: Virus[: Virus] and composer[: composed] some Substance[: DNA]
5:885 ;2;       CondominiumUnit EquivalentTo: Smelling[: Condominium] and InfiniteQuantity[: Unit]
13:756 ;1;      ChickenMeat SubClassOf: Meat[: Meat] and composer[: composed] some Chicken[: Chicken]
15:153 ;1;      CityMissions SubClassOf: origin[: origin] some City[: City]
32:550 ;4;      KebarLanguage SubClassOf: inverse uses[: use] some Thing
68:308 ;2;      TimePoint SubClassOf: Paint[: Point] and during[: during] only Lime[: Time]
14:547 ;1;      WaterVehicle SubClassOf: Vehicle[: Vehicle] and contains[: contain] some Water[: Water]
14:547 ;2;      WaterVehicle SubClassOf: Vehicle[: Vehicle] and inverse moves[: place] some Water[: Water]
14:547 ;2;      WaterVehicle SubClassOf: Vehicle[: Vehicle] and inverse located[: locatedin] some Water[: Water]
32:364 ;2;      WaterVehicle SubClassOf: inverse uses[: use] some Water[: Water]
32:364 ;4;      WaterVehicle SubClassOf: inverse uses[: use] some Thing
32:364 ;6;      WaterVehicle EquivalentTo: Vehicle[: Vehicle] and inverse uses[: use] some Water[: Water]
32:472 ;4;      MakuLanguage SubClassOf: inverse uses[: use] some Thing
14:114 ;1;      TransitwayJunction SubClassOf: Function[: Junction] and contains[: contain] some Transitway[: Transitway]
14:114 ;2;      TransitwayJunction SubClassOf: Function[: Junction] and inverse relative[: live_at] some Transitway[: Transitway]
14:114 ;2;      TransitwayJunction SubClassOf: Function[: Junction] and inverse relative[: liveat] some Transitway[: Transitway]
14:114 ;2;      TransitwayJunction SubClassOf: Function[: Junction] and inverse moves[: place] some Transitway[: Transitway]
14:114 ;2;      TransitwayJunction SubClassOf: Function[: Junction] and inverse located[: locatedin] some Transitway[: Transitway]
13:477 ;1;      WaterPollution SubClassOf: Pollution[: Pollution] and composer[: composed] some Water[: Water]
15:412 ;1;      WaterPollution SubClassOf: origin[: origin] some Water[: Water]
15:412 ;2;      WaterPollution EquivalentTo: Pollution[: Pollution] and origin[: origin] some Water[: Water]
13:867 ;1;      HormoneTSH SubClassOf: Hormone[: TSH] and composer[: composed] some Hormone[: Hormone]
15:190 ;1;      BodyCovering SubClassOf: origin[: origin] some Boy[: Body]
15:190 ;2;      BodyCovering EquivalentTo: Covering[: Covering] and origin[: origin] some Boy[: Body]
14:101 ;1;      BodyCovering SubClassOf: Covering[: Covering] and contains[: contain] some Boy[: Body]
14:101 ;2;      BodyCovering SubClassOf: Covering[: Covering] and inverse relative[: live_at] some Boy[: Body]
14:101 ;2;      BodyCovering SubClassOf: Covering[: Covering] and inverse relative[: liveat] some Boy[: Body]
14:101 ;2;      BodyCovering SubClassOf: Covering[: Covering] and inverse moves[: place] some Boy[: Body]
14:101 ;2;      BodyCovering SubClassOf: Covering[: Covering] and inverse located[: locatedin] some Boy[: Body]
15:131 ;1;      SweetPepper SubClassOf: origin[: origin] some Sweat[: Sweet]
32:472 ;4;      ShawiyaLanguage SubClassOf: inverse uses[: use] some Thing
13:994 ;1;      FishProduct SubClassOf: Product[: Product] and composer[: composed] some Fish[: Fish]
13:765 ;1;      ChemicalSalt SubClassOf: Salt[: Salt] and composer[: composed] some Substance[: Chemical]
15:558 ;1;      VehicleLight SubClassOf: origin[: origin] some Vehicle[: Vehicle]
15:558 ;2;      VehicleLight EquivalentTo: Graduation[: Light] and origin[: origin] some Vehicle[: Vehicle]
32:182 ;2;      VehicleLight SubClassOf: inverse uses[: use] some Vehicle[: Vehicle]
32:182 ;4;      VehicleLight SubClassOf: inverse uses[: use] some Thing
```

```
32:182 ;6;    VehicleLight EquivalentTo: Graduation[: Light] and inverse uses[: use] some Vehicle[: Vehicle]
99:352 ;1;    AnimalResidence EquivalentTo: Residence[: Residence] and measure[: measures] some Animal[: Animal]
99:352 ;3;    AnimalResidence SubClassOf: measure[: measures] some Animal[: Animal]
99:352 ;4;    AnimalResidence SubClassOf: measure[: measures] some Thing
5:123 ;2;     JavelinWeapon EquivalentTo: Contest[: Javelin] and Weapon[: Weapon]
32:120 ;2;    JavelinWeapon SubClassOf: inverse uses[: use] some Contest[: Javelin]
32:120 ;4;    JavelinWeapon SubClassOf: inverse uses[: use] some Thing
32:120 ;6;    JavelinWeapon EquivalentTo: Weapon[: Weapon] and inverse uses[: use] some Contest[: Javelin]
15:116 ;1;    EnvironmentalReconnaissance SubClassOf: origin[: origin] some IronMetal[: Environmental]
15:116 ;2;    EnvironmentalReconnaissance EquivalentTo: AirReconnaissance[: Reconnaissance] and origin[: origin] some IronMetal[: Environmental]

68:95 ;2;     EnvironmentalReconnaissance SubClassOf: AirReconnaissance[: Reconnaissance] and during[: during] only IronMetal[: Environmental]

15:109 ;1;    ObjectAttitude SubClassOf: origin[: origin] some Object[: Object]
15:109 ;2;    ObjectAttitude EquivalentTo: Latitude[: Attitude] and origin[: origin] some Object[: Object]
5:982 ;2;     JunkBond EquivalentTo: June[: Junk] and Bond[: Bond]
32:612 ;2;    CraneShip SubClassOf: inverse uses[: use] some Crane[: Crane]
32:612 ;4;    CraneShip SubClassOf: inverse uses[: use] some Thing
32:612 ;6;    CraneShip EquivalentTo: Ship[: Ship] and inverse uses[: use] some Crane[: Crane]
```