Homework 6

1. ∃x(Person(x) ∧ Works(x) ∧ IsEmployed(x))

2a. ¬∀x(People(x) ∧ InPlane(x) -> Pilots(x))

2b. ∀x∀y(Monkey(x) ∧ Tree(y) -> LivesIn(x, y))

2c. Has(Cow, Spots)

3.

S1: (n) diary, journal (a daily written record of (usually personal) experiences and observations)

S2: (n) journal (a periodical dedicated to a particular subject) "he reads the medical journals"

S3: (n) daybook, journal (a ledger in which transactions have been recorded as they occurred)

S4: (n) journal (a record book as a physical object)

S5: (n) journal (the part of the axle contained by a bearing)

Comparisons:

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| S1 & S2: Polyonymy since both are records of something that can be read. | S2 & S4: Homonymy |
| S1 & S3: Polyonymy since both are records of something. | S2 & S5: Homonymy |
| S1 & S4: Homonymy | S3 & S4: Homonymy |
| S1 & S5: Homonymy | S3 & S5: Homonymy |
| S2 & S3: Polyonymy since both are records of something that can be read. | S4 & S5: Homonymy |

4. “I read the whole book.”

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| Word | # of senses | Sense with Overlap | Chosen sense |
| I (Non-Stop Word) | N/A | N/A | N/A |
| Read | 12 | S1:0 S2: 0 S3: 0 S4: 0 S5: 0 S6: 0 S7: 0 S8: 0 S9: 0 S10: 0 S11: 0 S12: 0 | S1 |
| The(Non-Stop Word) | N/A | N/A | N/A |
| Whole | 8 | S1: 0 S2: 0 S3: 0 S4: 0 S5: 0 S6: 0 S7: 0 S8: 0 | S1 |
| Book | 15 | S1: 1 S2: 0 S3: 0 S4: 0 S5: 0 S6: 0 S7: 0 S8: 0 S9: 0 S10: 0 S11: 0 S12: 0 S13: 1 S14: 0 S15: 0 | S1 |

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| Word | Gloss | Examples | # Overlaps |
| read1 | something that is read | "the article was a very good read" | 0 |
| read2 | interpret something that is written or printed | "read the advertisement"; "Have you read Salman Rushdie?" | 0 |
| read3 | have or contain a certain wording or form | "The passage reads as follows"; "What does the law say?" | 0 |
| read4 | look at, interpret, and say out loud something that is written or printed | "The King will read the proclamation at noon" | 0 |
| read5 | obtain data from magnetic tapes or other digital sources | "This dictionary can be read by the computer" | 0 |
| read6 | interpret the significance of, as of palms, tea leaves, intestines, the sky; also, of human behavior | She read the sky and predicted rain"; "I can't read his strange behavior"; "The fortune teller read his fate in the crystal ball" | 0 |
| read7 | interpret something in a certain way; convey a particular meaning or impression | "I read this address as a satire"; "How should I take this message?" | 0 |
| read8 | be a student of a certain subject | "She is reading for the bar exam" | 0 |
| read9 | indicate a certain reading; of gauges and instruments | "The thermometer showed thirteen degrees below zero"; "The gauge read empty'" | 0 |
| read10 | audition for a stage role by reading parts of a role | "He is auditioning for Julius Caesar' at Stratford this year" | 0 |
| read11 | to hear and understand | "I read you loud and clear!" | 0 |
| read12 | make sense of a language | "She understands French"; "Can you read Greek?" | 0 |

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| Word | Gloss | Examples | # Overlaps |
| whole1 | all of something including all its component elements or parts | "Europe considered as a whole"; "the whole of American literature" | 0 |
| whole2 | an assemblage of parts that is regarded as a single entity | "how big is that part compared to the whole?"; "the team is a unit" | 0 |
| whole3 | including all components without exception; being one unit or constituting the full amount or extent or duration; complete | "gave his whole attention"; "a whole wardrobe for the tropics"; "the whole hog"; "a whole week"; "the baby cried the whole trip home"; "a whole loaf of bread" | 0 |
| whole4 | (of siblings) having the same parents | "whole brothers and sisters" | 0 |
| whole5 | not injured or harmed | N/A | 0 |
| whole6 | exhibiting or restored to vigorous good health | "hale and hearty"; "whole in mind and body"; "a whole person again" | 0 |
| whole7 | acting together as a single undiversified whole | "a solid voting bloc" | 0 |
| whole8 | to a complete degree or to the full or entire extent (`whole' is often used informally for `wholly') | "he was wholly convinced"; "entirely satisfied with the meal"; "it was completely different from what we expected"; "was completely at fault"; "a totally new situation"; "the directions were all wrong"; "it was not altogether her fault"; "an altogether new approach"; "a whole new idea"; "she felt right at home"; "he fell right into the trap" | 0 |

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| Word | Gloss | Examples | # Overlaps |
| book1 | a written work or composition that has been published (printed on pages bound together) | "I am **reading** a good book on economics" | 1  Words: reading |
| book2 | physical objects consisting of a number of pages bound together | "he used a large book as a doorstop" | 0 |
| book3 | a compilation of the known facts regarding something or someone | "Al Smith used to say, `Let's look at the record'"; "his name is in all the record books" | 0 |
| book4 | a written version of a play or other dramatic composition; used in preparing for a performance | N/A | 0 |
| book5 | a record in which commercial accounts are recorded | "they got a subpoena to examine our books" | 0 |
| book6 | a collection of playing cards satisfying the rules of a card game | N/A | 0 |
| book7 | a collection of rules or prescribed standards on the basis of which decisions are made | "they run things by the book around here" | 0 |
| book8 | the sacred writings of Islam revealed by God to the prophet Muhammad during his life at Mecca and Medina | N/A | 0 |
| book9 | the sacred writings of the Christian religions | "he went to carry the Word to the heathen" | 0 |
| book10 | a major division of a long written composition | "the book of Isaiah" | 0 |
| book11 | a number of sheets (ticket or stamps etc.) bound together on one edge | "he bought a book of stamps" | 0 |
| book12 | engage for a performance | "Her agent had booked her for several concerts in Tokyo" | 0 |
| book13 | arrange for and reserve (something for someone else) in advance | "reserve me a seat on a flight"; "The agent booked tickets to the show for the **whole** family"; "please hold a table at Maxim's" | 1  Words: whole |
| book14 | record a charge in a police register | "The policeman booked her when she tried to solicit a man" | 0 |
| book15 | register in a hotel booker | N/A | 0 |