

Homework 8

1.

Senses for Sing	Selectional Restrictions
<u>S</u> : (v) sing (deliver by singing) <i>"Sing Christmas carols"</i>	[+SONG]
<u>S</u> : (v) sing (produce tones with the voice) <i>"She was singing while she was cooking"; "My brother sings very well"</i>	[+HUMAN]
<u>S</u> : (v) sing (to make melodious sounds) <i>"The nightingale was singing"</i>	[+ANIMAL]
<u>S</u> : (v) whistle, sing (make a whining, ringing, or whistling sound) <i>"the kettle was singing"; "the bullet sang past his ear"</i>	[+OBJECT]
<u>S</u> : (v) spill the beans, let the cat out of the bag, talk, tattle, blab, peach, babble, sing, babble out, blab out (divulge confidential information or secrets) <i>"Be careful--his secretary talks"</i>	[+INFORMATION]

Senses for Search	Selectional Restrictions
<ul style="list-style-type: none"> <u>S</u>: (v) search, seek, look for (try to locate or discover, or try to establish the existence of) <i>"The police are searching for clues"; "They are searching for the missing man in the entire county"</i> 	[+DISCOVERABLE]
<ul style="list-style-type: none"> <u>S</u>: (v) search, look (search or seek) <i>"We looked all day and finally found the child in the forest"; "Look elsewhere for the perfect gift!"</i> 	[+FINDABLE]
<ul style="list-style-type: none"> <u>S</u>: (v) research, search, explore (inquire into) <i>"the students had to research the history of the Second World War for their history project"; "He searched for information on his relatives on the web"; "Scientists are exploring the nature of consciousness"</i> 	[+INQUIRABLE]
<ul style="list-style-type: none"> <u>S</u>: (v) search (subject to a search) <i>"The police searched the suspect"; "We searched the whole house for the missing keys"</i> 	[+SUBJECT]

2.1 I failed to fly on the plane today due to my fear of flying.

Main Verb: Fly		
Main Arguments		
ARG0: I (Subject)	ARG2: Fear (Instrument)	ARG4: N/A
ARG1: The plane (Object)	ARG3: N/A	ARG5: N/A
Modifying Arguments: TMP: Today, CAU: Due to my fear		

2.2 Fred's mentor taught him how to paint.

Main Verb: Taught		
Main Arguments		
ARG0: Fred's mentor (Subject)	ARG2: N/A	ARG4: N/A
ARG1: Him (Patient)	ARG3: N/A	ARG5: N/A
Modifying Arguments: N/A		

2.3 She always arrived to school early, for fear of being late.

Main Verb: Arrived		
Main Arguments		
ARG0: She (Subject)	ARG2: Fear (Instrument)	ARG4: To school (End Point)
ARG1: School (Object)	ARG3: N/A	ARG5: N/A
Modifying Arguments: DIR: To School, MNR: Early, CAU: Fear of being late.		

2.4 The pilot decided it was time for a career change.

Main Verb: Decided		
Main Arguments		
ARG0: The pilot (Subject)	ARG2: N/A	ARG4: N/A
ARG1: Career change (Object)	ARG3: N/A	ARG5: N/A
Modifying Arguments: N/A		

2.5 I did not drive to school on Monday because of rain.

Main Verb: Drive		
Main Arguments		
ARG0: I (Subject)	ARG2: Rain (Instrument)	ARG4: To school (End Point)
ARG1: School (Object)	ARG3: N/A	ARG5: N/A
Modifying Arguments: DIR: To school, TMP: Monday, CAU: because of rain, NEG: Did not		

3. Thematic roles are natural extensions to the first-order logic representation of arguments because they attempt to capture the semantic commonality between the arguments.