Flying	NNP	2	compound	
planes	NNS	5	nsubj	
can	MD	5	aux	
be	VB	5	сор	
dangerous		33	0	ROOT
		5	punct	

In this sentence the meaning of the sentence is flying planes can be dangerous and when we put that in the english it would make sense but the parser is trying to say that the plane which is flying can be dangerous and that's how it's interpreted by the parser while processing this sentence.

Amid	IN	3	case
the	DT	3	det
chaos	NN	5	obl
I	PRP	5	nsubj
saw	VBD	0	ROOT
her	PRP\$	7	nmod:poss
duck	NN	5	obj
		5	punct

In this sentence the meaning of the sentence is amid the chaos I saw her duck and when we put that in the english it would make sense as that while she was having argument someone threw something at her and she dodged it but the parser has associated that duck with saw and that can also mean that duck is a animal and while in she was in the chaos she saw the duck and that's how it might be interpreted by the parser while running this sentence.

The	DT	2	det
burglar	NN	3	nsubj
robbed	VBD	0	ROOT
the	DT	5	det
woman	NN	3	obj
with	IN	8	case
the	DT	8	det
knife	NN	3	obl
		3	punct

In this sentence the meaning of the sentence is the burglar robbed the woman with the knife and when we put that in the english it would make sense as the woman got robbed by the burglar who had knife with him but the parser is unable to know that who has the knife and which person attacked the which person because woman, burglar, knife is associated with the robbed so based on that parser doesn't identify and that's how it's interpreted by the parser while running this sentence.

2

 $\forall x Budget(x) \Rightarrow \neg IndirectCosts(x)$

- ∀x ¬AcceptGRFP(x) ⇒ PossibleEligible(x) This sentence means for everyone
 who has never accepted GRFP are possible eligible candidate. Original
 sentence: Have never previously accepted a Graduate Research Fellowship.
- 2. ∀xAppliedOnceYear(x) ⇒ ¬ApplicableCandidate(x) This sentence means for every who applied once a year is not a applicable candidate for GRFP. Original sentence: An eligible applicant may submit only one application per annual competition.

4. ∀x EligibleGRFP(x) ⇒ ¬CurrentNSFEmployee(x) - For every to be eligible for the GRFP program he/she should not be the employee of NSF currently to be eligible for that program. Original sentence: Not be a current NSF employee

can apply before enrolling in a degree-granting graduate program.

 ∀x Eligible(x) ⇒ (USCitizen(x) v National(x) v PR(x)) - For every eligible person he/she must be US Citizen or national or PR card holder. Original sentence: Be a U.S. citizen, national, or permanent resident

3

NP \rightarrow ideas (5%) NP \rightarrow sleep (5%) VP \rightarrow sleep (5%) N \rightarrow ideas (30%) N \rightarrow sleep (20%) V \rightarrow sleep (30%) Adj \rightarrow colorless (100%) Adj \rightarrow green (100%) Adv \rightarrow furiously (100%)

colorless	green	ideas	sleep	furiously
Adj(1.0)	Adjp(0.5)	NP(0.0045), NP(0.01)	NP(0.0005625) ,NP(0.0000562 5),NP(0.00005 625), NP(0.0001875) ,NP(0.000125), S(0.000135), S(0.0003)	NP(0.0000168 75),NP(0.0001 6875),NP(0.00 0375),NP(0.00 0016875),NP(0 .0000375), S(0.000405), S(0.0009)

Х	Adj(1.0)	NP(.015)	NP(0.0001875, S(0.00045), NP(0.0001875)	S(0.00135), NP(0.0005625, NP(0.0005625)
Х	х	N(0.3), NP(0.05)	S(0.0015), NP(0.000625)	S(0.0045), NP()
Х	X	X	N(0.2), V(0.3), NP(0.05), VP(0.05)	VP(0.15)
Х	Х	Х	Х	Adv(1.0)