

HA (Constraint Grammar - Karaka charts)  
(Due: 1 week)

1.

- a) For your (Indian) language or Hindi, identify 5 different verb types and prepare their karaka charts.
- b) Choose 5 TAMs and work out the karaka chart transformation rules.
- c) Show how the above would be used for parsing.

2.

- a) Identify at least 2 participial verb forms in your (Indian) language. Give example sentences with the above verb forms.  
(For instance, English has verbs ending in '-en' and '-ing': such as 'eaten fruit' or 'running deer'.)
- b) Karaka chart transformation rules can be used to generate the actual karaka charts to be used, when the participial form occurs in an actual sentence in your language. Give the karaka chart transformation rules for the two participial forms you have chosen above.  
(For instance, if you were to write down the karaka chart transformation rule for English participial form '-en', then 'AGNT' would be dropped.)