Start

व T धातु अ 132

: 4

थ ष्यि 323

म T त धातु अ 112

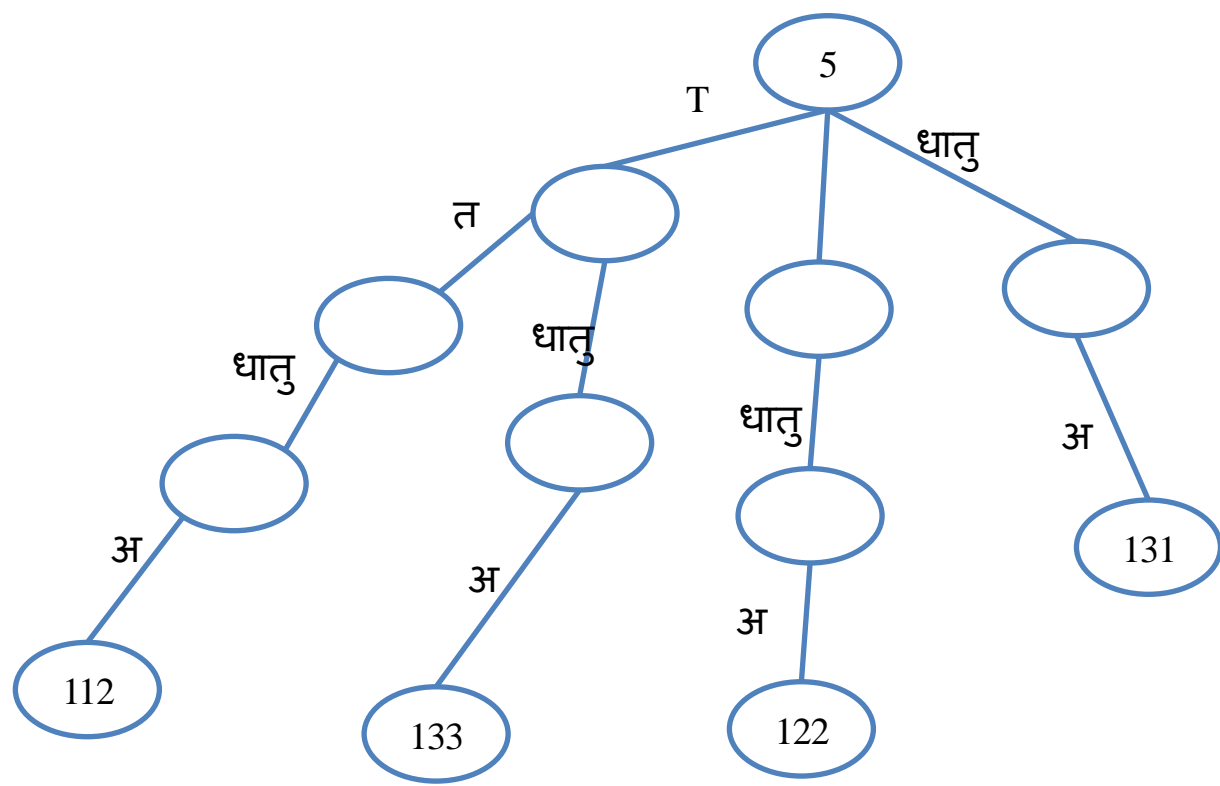धातु अ 133

T त धातु अ 122

धातु अ 131

म धातु अ 111

त धातु अ 123

न धातु अ 113

ि 6

DFA for identifying Sanskrit Verbs

Tree diagram nodes and edge labels:

- Root: :
- Node: 4
  - Edge ठ → (node) → edge धातु → (node) → edge अ → 121
  - Edge थ → 222 → edge ष्यि → 322
  - Edge त → 212 → edge ष्यि → 312
  - Edge व → (node) → edge T → 232 → edge ष्यि → 332
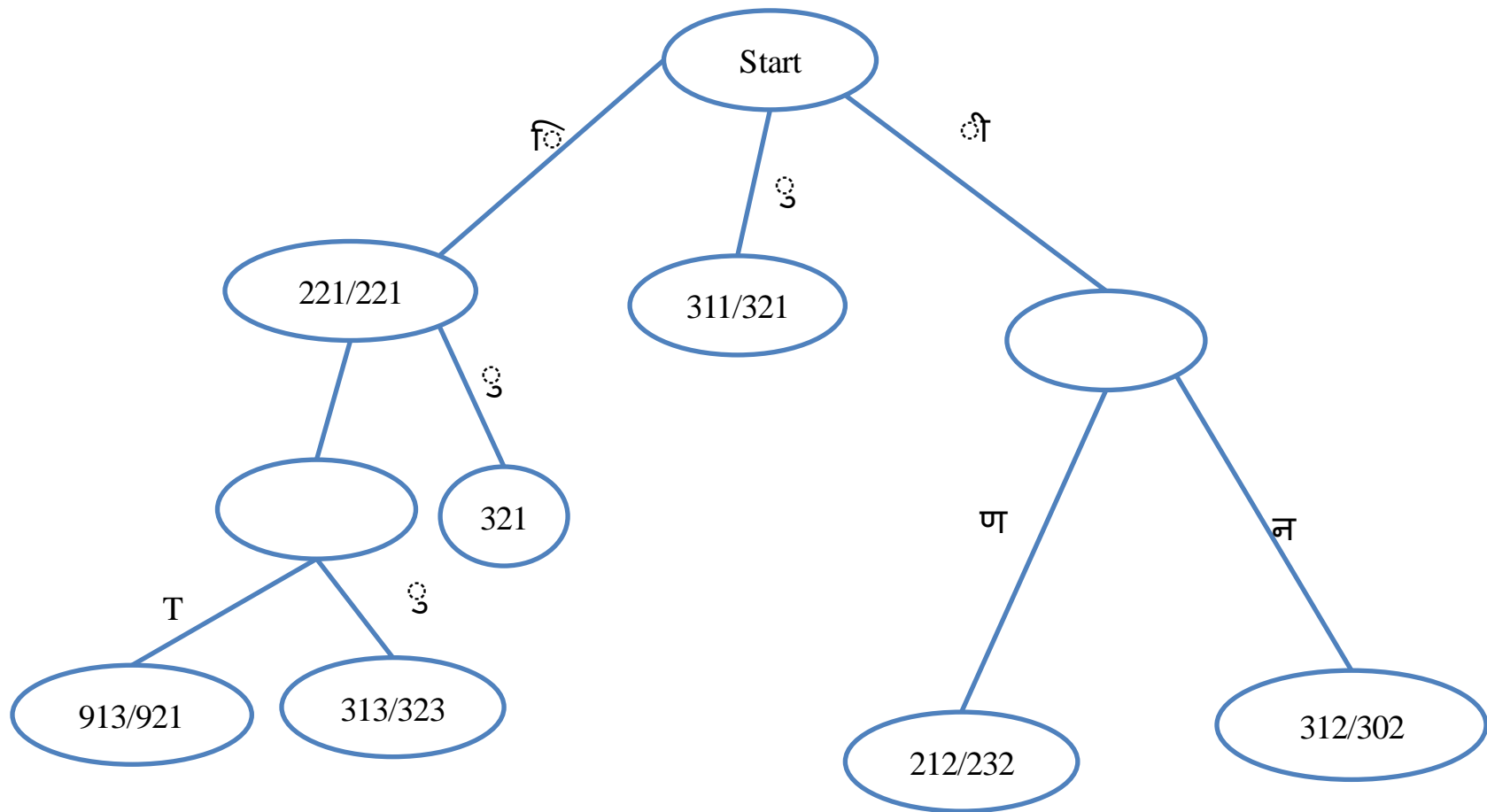 - Edge म → (node) → edge T → 233 → edge ष्यि → 333
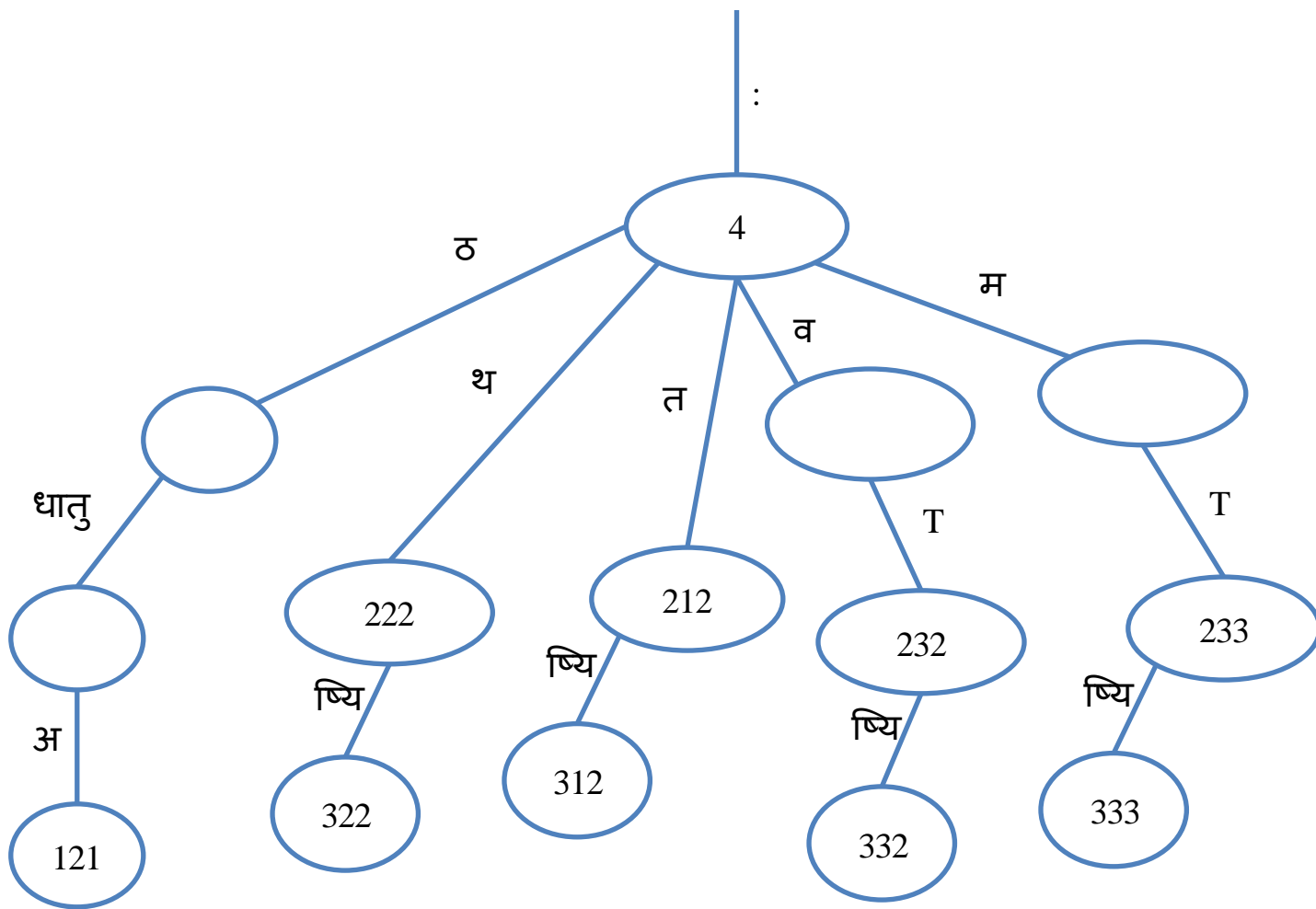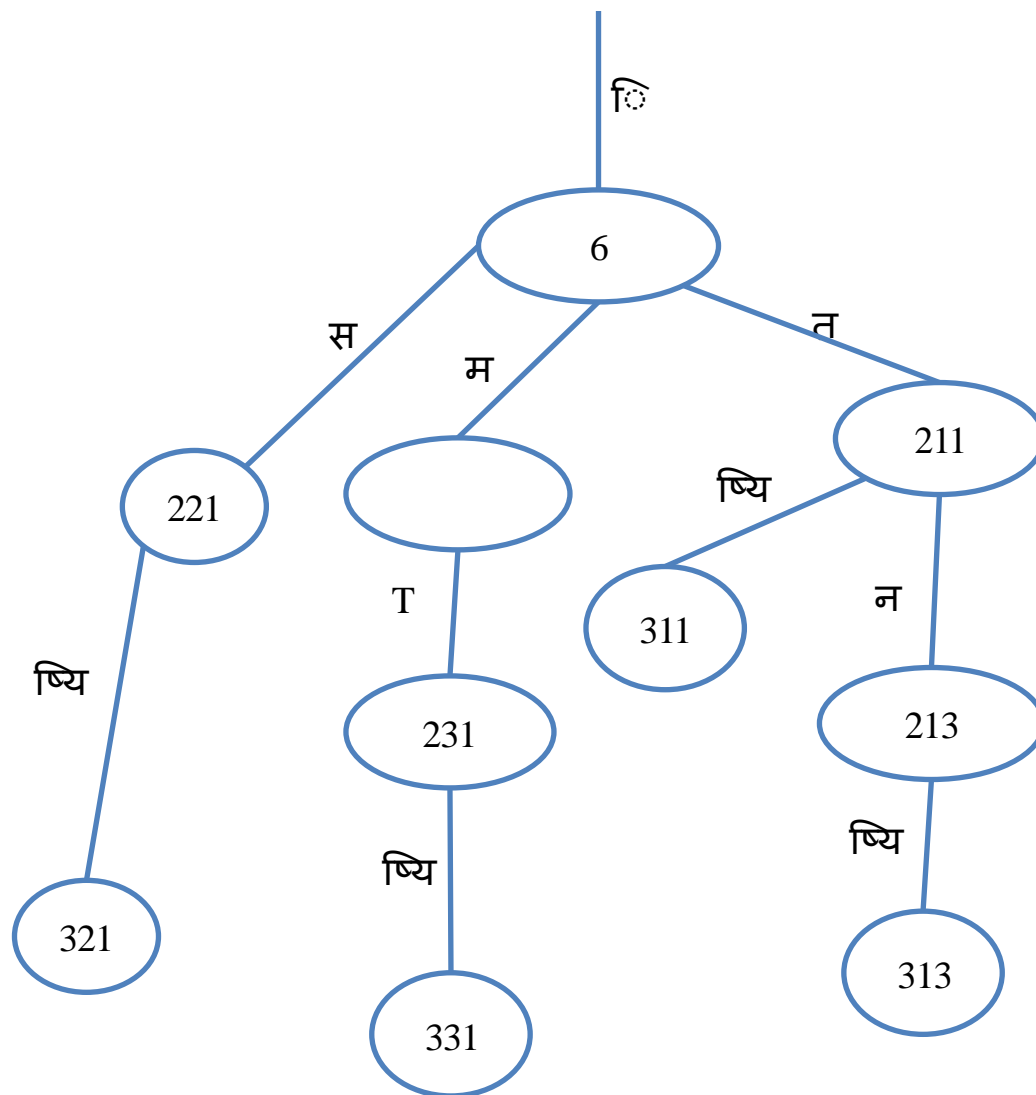
Tables Reference for the DFA(Verb).

Tables Referenced for the DFA(Verb)			
	1st Position	2nd Position	3rd Position
1	Past	Third Person	Singular
2	Present	Second Person	Dual
3	Future	First Person	Plural

DFA for Nouns(Neutral Gender)

DFA for Nouns(Masculine and Feminine Gender)

111

411

412/422/
912/922

123

112/
122

312/322/
712/722

313/
713

311/
711

213/
513/
613

121/911/
921

123

113/
413/
423

211/
511/
623

621

221/
521

321/
721

323

612/
622

621

223/523

T

T

T

व

प

थ

म

त

:
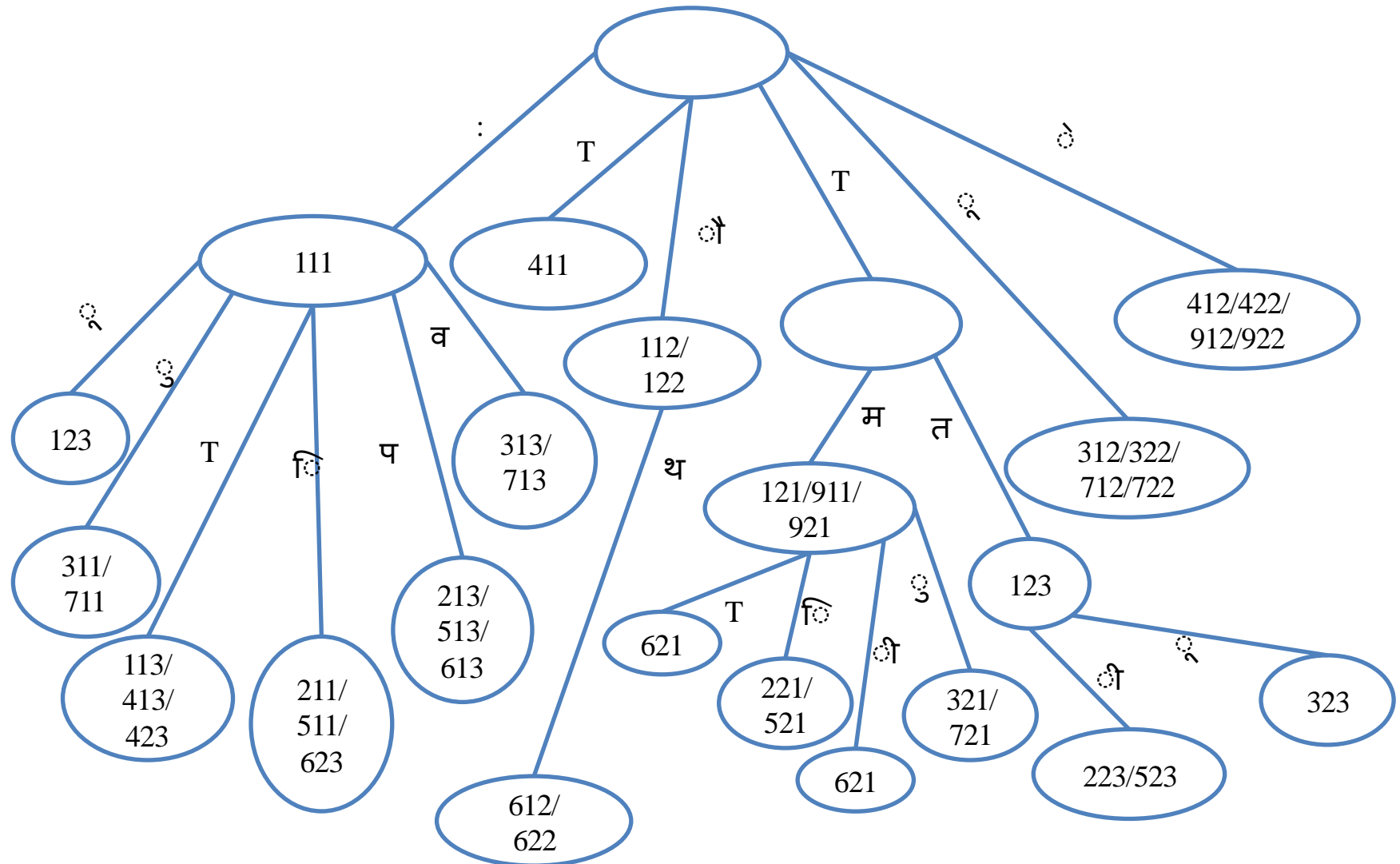
Tables Refernece for DFA(Nouns)

	Tables Referenced for the DFA(Noun)		
	1st Position(type)	2nd Position	3rd Position
1	Akarant Masculine	Third Person (Subject)	Singular
2	ikarant Masculine	Second Person (Object)	Dual
3	Ukarant Masculine		Plural
4	Aakarant Feminine		
5	ikarant Feminine	For 2nd sub-DFA	
6	Ikarant Feminine		
7	ukarant Feminine	1	Ikarant Neuter
8	Ukarant Feminine	2	Ukarant Neuter
9	Akarant Neuter		