

## # Tables

1. Word (wid, word, Hindi, Maithili, French)
2. R<sub>1</sub> Ros (wid, spid, psp)
3. Word R<sub>1</sub> Meaning (wid, word, Hindi, Maithili, French, Meaning)
4. R<sub>1</sub> meaning (spid, meaning)
5. R<sub>2</sub> Antonym (spid, antonym)
6. Word R<sub>2</sub> Antonym (wid, word, Hindi, Maithili, antonym)
7. R<sub>3</sub> scin (wid, Name)

Here, (1) (7) are normalized  
and,

→ Normalizing (2) → INF

Further! Divide in 2 tables:

ps (spid, wid)

psp (spid, ~~wid~~ psp)

→ Normalizing (3)

word table exists,

wid, meaning column makes new table which combines  
with (4) for minimum space utilization,

Meaning (wid, spid, meaning)

wid and spid form Partial Discrimination key.

→ (5) and (6) similarly form Antonym  
wid and PSP form Partial dissimination key.

→ (7) form ~~PSP~~ sci.n (wid, name)

Finally after normalization we get following —

- i. Word (wid, word, Hindi, Maithili, French)
- ii. PSP (wid, spid)
- iii. Meaning (wid, spid, meaning)
- iv. Antonym (wid, spid, antonym)
- v. ~~P~~sci.n (wid, name)