

Hindiwhsimple

<http://www.phil.uu.nl/staff/vermaat/grail/fragments/hindi/hindiwhsimple.pl>

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1. Fragment properties

1.1. Postulates

$$\diamond_{wh}A \bullet_1 (B \bullet_1 C) \vdash (\diamond_{wh}A \bullet_1 B) \bullet_1 C \quad [Whl1]$$

$$\diamond_{wh}B \bullet_1 (A \bullet_1 C) \vdash A \bullet_1 (\diamond_{wh}B \bullet_1 C) \quad [Whl2]$$

1.2. Lexicon

anu : $\square_{nom}np - \text{anu}$

dekhaa : $\square_{acc}np \setminus_1 (\square_{nom}np \setminus_1 s) - \text{see}$

dekhaa : $\square_{acc}np \setminus_1 s - \text{see}$

jaantaa : $(\square_{nom}np \setminus_1 s) /_1 s - \text{know}(\text{inf})$

jaantii : $\square_v((\square_{nom}np \setminus_1 s) /_1 s) - \text{know}(\text{pst})$

jaantiihai : $s \setminus_1 (\square_{nom}np \setminus_1 s) - \text{know}(\text{pre})$

jaantiihai : $(\square_{nom}np \setminus_1 s) /_1 s - \text{know}(\text{pre})$

jaun : $\square_{nom}np - \text{john}$

karegii : $\square_v((\square_{nom}np \setminus_1 s) /_1 vp) - \text{will}$

karnaa : $\square_{acc}np \setminus_1 s - do(\text{inf})$

karnaahai : $\square_{acc}np \setminus_1 s - do(\text{pre})$

kaun : $(s /_1 (\square_{wh} \square_{nom} np \setminus_1 s)) /_1 n - \text{which}$

kaunsii : $(s /_1 (\square_{wh} \square_{acc} np \setminus_1 s)) /_1 n - \text{which}$

khariidii : $\square_{acc} np \setminus_1 (\square_{nom} np \setminus_1 s) - \text{buy}$

ki : $s /_1 s - \lambda x_0 . x_0$

kisko : $\square_{wh} \square_{acc} np - \text{who}$

kisse : $(s /_1 (\square_{wh} \square_{acc} np \setminus_1 s)) /_1 n - \text{which}$

kitaab : $\square_{acc} np - \text{book}$

kyaa : $((\square_{nom} np \setminus_1 s) /_1 s) /_1 ((\square_{nom} np \setminus_1 s) /_1 s) - \lambda x_0 . (\lambda y_0 . (\lambda z_0 . ((x_0 y_0) z_0)))$

kyaa : $\square_{wh} \square_{acc} np - \text{what}$

larkaa : $\square_{acc} np - \text{boy}$

merii : $\square_{acc} np - \text{mary}$

puuchtaahai : $(\square_{nom} np \setminus_1 s) /_1 s - \text{asks}(\text{pre})$

ravi : $\square_{acc} np - \text{ravi}$

raviine : $\square_{nom} np - \text{ravi}$

siitaane : $\square_{nom} np - \text{sita}$

soctaa : $(\square_{nom} np \setminus_1 s) /_1 \square_f \diamond_f s - \text{think}(\text{pre})$

soctaahai : $s \setminus_1 (\square_{nom} np \setminus_1 s)$ – think(pre)

soctaaai : $(\square_{nom} np \setminus_1 s) /_1 s$ – think(fem)

tum : $\square_{nom} np$ – you

whelem : $\square_{wh} \square_{nom} np$ – what

whemb : $\square_f \diamond_f s$ – prop

yaayegaa : vp – will-go

2. Run your examples

1. Jaun kitaab khariidii $\vdash s$
2. Anu larkaa dekhaa jaantiihai $\vdash s$
3. jaun kyaa khariidii $\vdash s$
4. kyaa jaun khariidii $\vdash s$
5. Anu kyaa karnaa jaantiihai $\vdash s$
6. Kisko Siitaane soctaa ki raviine dekhaa $\vdash s$
7. Siitaane kisko soctaa ki raviine dekhaa $\vdash s$
8. Anu jaantiihai ki kyaa karnaahai $\vdash s$
9. *Siitaane kyaa soctaa ki kisko raviine dekhaa $\vdash s$
10. *Raviine kyaa soctaa ki kisko raviine dekhaa $\vdash s$
11. *Raviine kyaa abhii abhii soctaa ki kisko raviine dekhaa $\vdash s$

12. *Kisko Raviine kyaa soctaa ki raviine dekhaa $\vdash s$

13. * Raviine soctaa ki kisko raviine dekhaa $\vdash s$