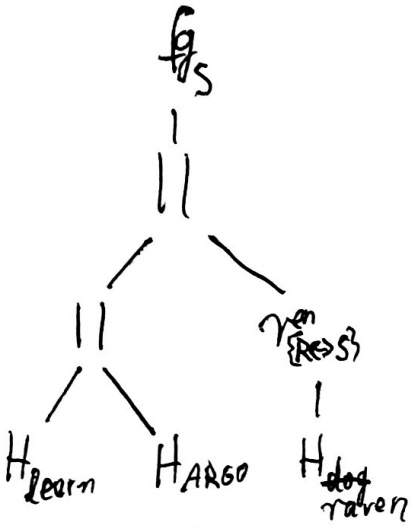
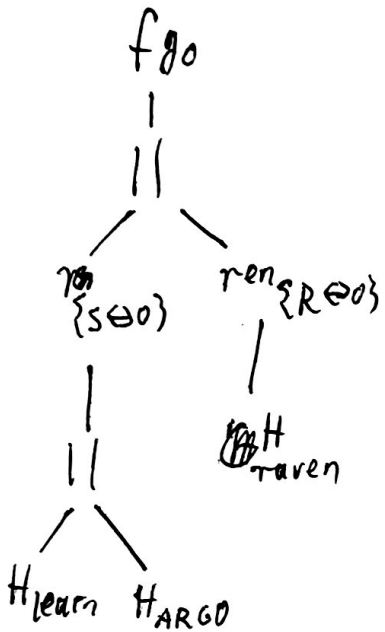
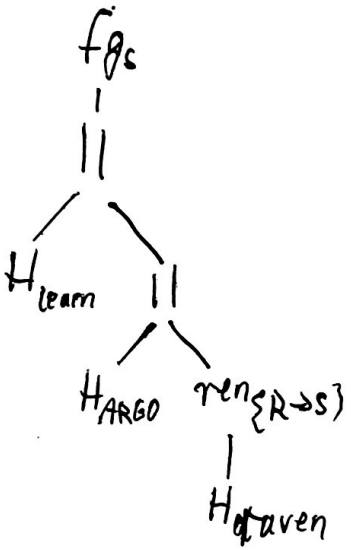

fg_S
H_{learn}
H_{ARGO}
$ren_{\{R \to S\}}$
H_{raven}

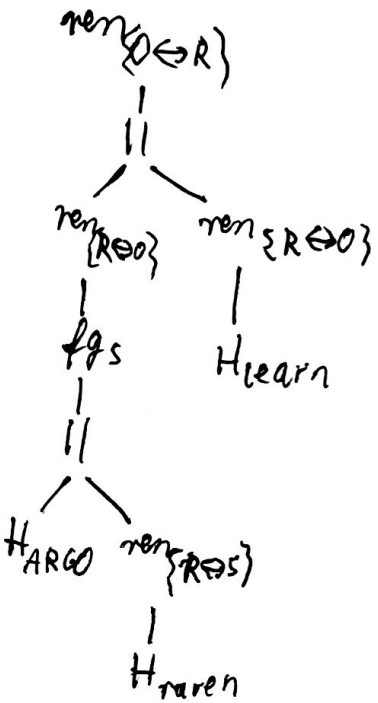
(a)


fg_O
$ren_{\{S \to O\}}$
$ren_{\{R \to O\}}$
H_{learn}
H_{ARGO}
H_{raven}

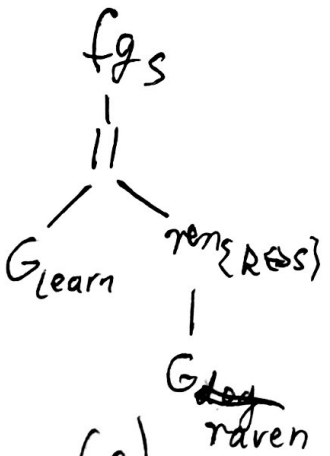
(b)


fg_C
H_{learn}
H_{ARGO}
$ren_{\{R \to S\}}$
H_{raven}

(c)


$ren_{\{O \leftrightarrow R\}}$
$ren_{\{R \to O\}}$
$ren_{\{R \leftrightarrow O\}}$
fg_S
H_{learn}
H_{ARGO}
$ren_{\{R \to S\}}$
H_{raven}

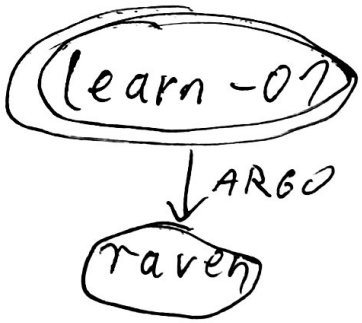
(d)


fg_S
G_{learn}
$ren_{\{R \to S\}}$
G_{raven}

(e)

APP_S
G_{learn}
G_{raven}

(f)


learn-01
ARG0
raven

(g)