1)

$\Delta^I = \{a\}$

$manages^I = \{\ \}$

$project^I = \{\ \}$

$\forall v\ manages.Project = \{a\}$

2)

$\Delta^I = \{a,b\}$

$manages^I = \{(a,a)\}$

$project^I = \{\ \}$

$\forall manages.Project = \{b\}$

3)

$\Delta^I = \{a\}$

$manages^I = \{\ \}$

$project^I = \{a\}$

$\forall manages.Project = \{a\}$

4)

$\Delta^I = \{a,b\}$

$manages^I = \{(a,b)\}$

$project^I = \{\ \}$

$\forall manages.Project = \{b\}$

5) $\Delta^I = \{a,b\}$

$manages^I = \{(a,b),(b,b)\}$

$\forall manages.Project = \{\ \}$

$mongo_s = \{(\sigma, \sigma), (\sigma, \bot)\}$

$propose^\top = \{\}$

5) $\Delta^\mathcal{I} = \{a, b\}$ $\forall mongos.Propert^\top = \{\ \}$

$mongos^\mathcal{I} = \{(a, b), (b, a)\}$

$propose^\top = \{\}$

7) $\Delta^\mathcal{I} = \{a, b\}$ $\forall mongos.Propert^\top = \{a, b\}$

$mongos^\mathcal{I} = \{(a, b), (b, b)\}$

$propose^\top = \{b\}$

8) $\Delta^\mathcal{I} = \{a, b\}$ $\forall mongos.Propert^\top = \{b\}$

$mongos^\mathcal{I} = \{(a, b)\}$

$propose^\top = \{a\}$