

*Zadatak 15

Ispiti (Pred, Stud, Nast, Datum, Sgodina)

$\left. \begin{array}{l} \text{Pred} \rightarrow \text{Datum} \\ \text{Stud, Pred} \rightarrow \text{Nast} \\ \text{Pred} \rightarrow \text{Sgodina} \end{array} \right\} = F$

1° KK (?)

Ni sljepa ni zdesna: \emptyset

Sljepa: Pred, Stud

Zdesna: Datum, Nast, Sgodina

Sljepa i zdesna: \emptyset

$(\{ \text{Pred, Stud} \}, F)^+ = \left\{ \begin{array}{l} \text{Pred, jek } \text{Pred} \rightarrow \text{Pred} \xrightarrow{\text{Ax. Refl.}} \text{Pred, Stud} \rightarrow \text{Pred} \\ \text{Stud, analogno} \\ \text{Datum, jek } \text{Pred} \rightarrow \text{Datum} \xrightarrow{\text{Ax. Pred.}} \text{Pred, Stud} \rightarrow \text{Datum} \\ \text{Nast, jek } \text{Stud, Pred} \rightarrow \text{Nast} \\ \text{Sgodina, jek } \text{Pred} \rightarrow \text{Sgodina} \xrightarrow{\text{Ax. Pred.}} \text{Pred, Stud} \rightarrow \text{Sgodina} \end{array} \right\}$

2° 2NF (?)

Nije u 2NF, jek pojedini atrib. participiraju f-ko zavisice od PK.
Polazna rel. je u 1NF.

$R_1(\text{Pred, Datum, Sgodina})$

$R_2(\text{Pred, Stud, Nast})$

$\text{Stud, Pred} \rightarrow \text{Nast}$

$\left. \begin{array}{l} \text{Pred} \rightarrow \text{Datum} \\ \text{Pred} \rightarrow \text{Sgodina} \end{array} \right\} \xrightarrow{\text{Ax. Adit.}} \text{Pred} \rightarrow \text{Datum, Sgodina}$

1° PK (Stud, Pred)

2° 2NFV, atrijalno

3° 3NFV, atrijalno

1° PK (Pred)

2° 2NFV, atrijalno

3° 3NFV, atrijalno