

Osoba({id_o, ime, prz, dat_rodj, drzavljanstvo, drzava_rodj, grad, uloga}, {id_o})

Trener({id_o}, {id_o})

$\text{Trener}[\text{id_o}] \subseteq \text{Osoba}[\text{id_o}]$

Kosarkas({id_o, visina, tezina, aktivan}, {id_o})

$\text{Kosarkas}[\text{id_o}] \subseteq \text{Osoba}[\text{id_o}]$

Ograničenja totalne i nepresečne IS-A hijerarhije:

$\text{Osoba}[\text{id_o}] \subseteq \text{Trener}[\text{id_o}] \cup \text{Kosarkas}[\text{id_o}]$

$\text{Trener}[\text{id_o}] \cap \text{Kosarkas}[\text{id_o}] = \emptyset$

Tim({id_tim, osnovan, drzava_osn}, {id_tim})

Tim_naziv({id_naziv, tim_naziv, naziv_od, naziv_do, id_tim}, {id_naziv+id_tim})

$\text{Tim_naziv}[\text{id_tim}] \subseteq \text{Tim}[\text{id_tim}]$

$\text{Tim}[\text{id_tim}] \subseteq \text{Tim_naziv}[\text{id_tim}]$

Tim_logo({id_logo, logo, logo_od, logo_do, id_tim}, {id_logo+id_tim})

$\text{Tim_logo}[\text{id_tim}] \subseteq \text{Tim}[\text{id_tim}]$

$\text{Tim}[\text{id_tim}] \subseteq \text{Tim_logo}[\text{id_tim}]$

Grad({id_grad, grad_naziv}, {id_grad})

Tim_grad({id_tim, id_grad, grad_od, grad_do}, {id_tim+id_grad})

$\text{Tim_grad}[\text{id_tim}] \subseteq \text{Tim}[\text{id_tim}]$

$\text{Tim_grad}[\text{id_grad}] \subseteq \text{Grad}[\text{id_grad}]$

$\text{Tim}[\text{id_tim}] \subseteq \text{Tim_grad}[\text{id_tim}]$

$\text{Par}(\{\text{domacin}, \text{gost}\}, \{\text{domacin}+\text{gost}\})$

$\text{dom}(\text{domacin}) \subseteq \text{dom}(\text{id_tim})$

$\text{dom}(\text{gost}) \subseteq \text{dom}(\text{id_tim})$

$\text{Par}[\text{domacin}] \subseteq \text{Tim}[\text{id_tim}]$

$\text{Par}[\text{gost}] \subseteq \text{Tim}[\text{id_tim}]$

$\text{Dvorana}(\{\text{naziv_dvo}, \text{drzava}, \text{grad}, \text{ulica}, \text{broj}, \text{kapacitet}\}, \{\text{naziv_dvo}\})$

$\text{Utakmica}(\{\text{id_utak}, \text{dat_utak}, \text{poeni_dom}, \text{poeni_gost}, \text{produzeci}, \text{liga}, \text{naziv_dvo}, \text{domacin}, \text{gost}\}, \{\text{id_utak}+\text{naziv_dvo}\})$

$\text{Utakmica}[\text{domacin}+\text{gost}] \subseteq \text{Par}[\text{domacin}+\text{gost}]$

$\text{Null}(\text{Utakmica}, \text{domacin}+\text{gost}) = \perp$

$\text{Par}[\text{domacin}+\text{gost}] \subseteq \text{Utakmica}[\text{domacin}+\text{gost}]$

$\text{Regularna}(\{\text{id_utak}, \text{naziv_dvo}\}, \{\text{id_utak}+\text{naziv_dvo}\})$

$\text{Regularna}[\text{id_utak}+\text{naziv_dvo}] \subseteq \text{Utakmica}[\text{id_utak}+\text{naziv_dvo}]$

$\text{Plejof}(\{\text{id_utak}, \text{naziv_dvo}, \text{kolo}, \text{rbr}\}, \{\text{id_utak}+\text{naziv_dvo}\})$

$\text{Plejof}[\text{id_utak}+\text{naziv_dvo}] \subseteq \text{Utakmica}[\text{id_utak}+\text{naziv_dvo}]$

Ograničenja totalne i nepresečne IS-A hijerarhije:

$\text{Utakmica}[\text{id_utak}+\text{naziv_dvo}] \subseteq \text{Regularna}[\text{id_utak}+\text{naziv_dvo}] \cup \text{Plejof}[\text{id_utak}+\text{naziv_dvo}]$

$\text{Regularna}[\text{id_utak}+\text{naziv_dvo}] \cap \text{Plejof}[\text{id_utak}+\text{naziv_dvo}] = \emptyset$

Ugovor({id_ugovor, iznos, potpisan, istek, valuta, ugovor_tip},
{id_ugovor})

Trenerski_ug({id_ugovor, id_o, id_tim}, {id_ugovor})

$\text{Trenerski_ug}[\text{id_o}] \subseteq \text{Trener}[\text{id_o}]$

$\text{Trenerski_ug}[\text{id_tim}] \subseteq \text{Tim}[\text{id_tim}]$

$\text{Trenerski_ug}[\text{id_ugovor}] \subseteq \text{Ugovor}[\text{id_ugovor}]$

$\text{Null}(\text{Trenerski_ug}, \text{id_o}) = \perp$

$\text{Null}(\text{Trenerski_ug}, \text{id_tim}) = \perp$

Kosarkaski_ug({id_ugovor, id_o, id_tim}, {id_ugovor})

$\text{Kosarkaski_ug}[\text{id_ugovor}] \subseteq \text{Ugovor}[\text{id_ugovor}]$

$\text{Kosarkaski_ug}[\text{id_o}] \subseteq \text{Kosarkas}[\text{id_o}]$

$\text{Kosarkaski_ug}[\text{id_tim}] \subseteq \text{Tim}[\text{id_tim}]$

$\text{Null}(\text{Kosarkaski_ug}, \text{id_o}) = \perp$

$\text{Null}(\text{Kosarkaski_ug}, \text{id_tim}) = \perp$

Ograničenja totalne i nepresečne IS-A hijerarhije:

$\text{Ugovor}[\text{id_ugovor}] \subseteq \text{Trenerski_ug}[\text{id_ugovor}] \cup \text{Kosarkaski_ug}[\text{id_ugovor}]$

$\text{Trenerski_ug}[\text{id_ugovor}] \cap \text{Kosarkaski_ug}[\text{id_ugovor}] = \emptyset$

Kos_stat({min, po, as, osk, dsk, bacanja_sut, bacanja, trojke_sut, trojke,
sutnuti, dati, izg, ukr, id_ugovor, id_utak, naziv_dvo},
{id_ugovor+id_utak+naziv_dvo})

$\text{Kos_stat}[\text{id_ugovor}] \subseteq \text{Kosarkaski_ug}[\text{id_ugovor}]$

$\text{Kos_stat}[\text{id_utak}+\text{naziv_dvo}] \subseteq \text{Utakmica}[\text{id_utak}+\text{naziv_dvo}]$

$\text{Utakmica}[\text{id_utak}+\text{naziv_dvo}] \subseteq \text{Kos_stat}[\text{id_utak}+\text{naziv_dvo}]$

$\text{Ucestvuje}(\{\text{id_ugovor}, \text{id_utak}, \text{naziv_dvo}\},$
 $\{\text{id_ugovor}+\text{id_utak}+\text{naziv_dvo}\})$

$\text{Ucestvuje}[\text{id_ugovor}] \subseteq \text{Trenerski_ug}[\text{id_ugovor}]$

$\text{Ucestvuje}[\text{id_utak}+\text{naziv_dvo}] \subseteq \text{Utakmica}[\text{id_utak}+\text{naziv_dvo}]$

$\text{Korisnik}(\{\text{k_ime}, \text{mejl}, \text{lozinka}, \text{tip}\}, \{\text{k_ime}\})$

$\text{Objava}(\{\text{id_objave}, \text{tekst}, \text{dat_obj}, \text{tema}, \text{k_ime}\}, \{\text{id_objave}+\text{k_ime}\})$

$\text{Objava}[\text{k_ime}] \subseteq \text{Korisnik}[\text{k_ime}]$