### Korisnik

```
({IdK, Korlme, Sif, Ime, Prz, DatRodj, Drz, TipK}, {IdK}) Korisnik[IdK] \subseteq Admin[IdK] U Igrac[IdK] Admin[IdK] \cap Igrac[IdK] = \emptyset
```

### Admin

```
(\{IdK\}, \{IdK\})
Admin[IdK] \subseteq Korisnik[IdK]
```

## Igrac

```
(\{IdK\}, \{IdK\})

Igrac[IdK] \subseteq Korisnik[IdK]
```

# Liga

```
({IdL, NazL, OpisL, DatKL, TipL}, {IdL}) Liga[IdL] \subseteq Javna[IdL] U Privatna[IdL] Javna[IdL] \cap Privatna[IdL] = \emptyset
```

## Javna

```
(\{IdL, IdK\}, \{IdL\})
Javna[IdL] \subseteq Liga[IdL]
Javna[IdK] \subseteq Admin[IdK]
Null(Javna, IdK) = \bot
```

### Privatna

```
({IdL, SifraPL, IdK}, {IdL})
Javna[IdL] ⊆ Liga[IdL]
Javna[IdK] ⊆ Admin[IdK]
Null(Privatna, IdK) = ⊥
```

### Poruka

```
({IdPor, DatSI, IdPos}, {IdPos+IdPor})
Poruka[IdPos] ⊆ Korisnik[IdK]
Poruka[IdPor] ⊆ Prima[IdPor]
dom(IdPos) ⊆ dom(IdK)
```

#### Prima

```
({IdPos, IdPor, IdPrim, Vidj}, {IdPos+IdPor+IdPrim})
Prima[IdPos] ⊆ Poruka[IdPos]
Prima[IdPor] ⊆ Poruka[IdPor]
Prima[IdPrim] ⊆ Korisnik[IdK]
dom(IdPrim) ⊆ dom(IdK)
```

#### Tim

```
({IdT, NazT, DatKT, UkP, Budz, IdK}, {IdT})

Tim[IdK] \subseteq Igrac[IdK]

Null(Tim, IdK) = \bot
```

## Ucestvuje

```
(\{IdT, IdL\}, \{IdT+IdL\})
Ucestvuje[IdT] \subseteq Tim[IdT]
Ucestvuje[IdL] \subseteq Liga[IdL]
```

## Nagrada

```
(\{IdN, NazN, OpisN\}, \{IdN\})
Nagrada[IdN] \subseteq Osvaja[IdN]
```

# Osvaja

```
(\{IdT, IdL, IdN\}, \{IdT+IdL+IdN\})
Osvaja[IdT] \subseteq Tim[IdT]
Osvaja[IdN] \subseteq Nagrada[IdN]
```

#### Runda

({IdR, DatPoc, DatZ}, {IdR})

## Se\_takmici

({IdT, IdR}, {IdT+IdR})
Se\_takmici[IdT] ⊆ Tim[IdT]
Se\_takmici[IdR] ⊆ Runda[IdR]
Se\_takmici[IdT] ⊆ Regrutuje[IdT]
Se\_takmici[IdR] ⊆ Regrutuje[IdR]

### Kosarkas

({IdKos, ImeKos, PrzKos, G, F, C, FPA}, {IdKos})

## Ima\_cijenu

({IdKos, IdR, Cijena}, {IdKos+IdR}) Ima\_cijenu[IdKos] ⊆ Kosarkas[IdKos] Ima\_cijenu[IdR] ⊆ Runda[IdR]

# Regrutuje

({IdT, IdR, IdKos, Uloga}, {IdT+IdR+IdKos})
Regrutuje[IdT] ⊆ Se\_takmici[IdT]
Regrutuje[IdR] ⊆ Se\_takmici[IdR]
Regrutuje[IdKos] ⊆ Kosarkas[IdKos]

#### Klub

({IdKI, NazKI, DrzKI, KBioKI, StrKI}, {IdKI})

# Igra

({IdKos, IdKIKos, DatPr}, {IdKos+IdKIKos})
Igra[IdKos] ⊆ Kosarkas[IdKos]
Igra[IdKIKos] ⊆ Klub[IdKI]
dom(IdKIKos) ⊆ dom(IdKI)

#### Utakmica

({RbU, DatlVrU, RezU, Zav, IdR}, {RbU+IdR})
Utakmica[IdR] ⊆ Runda[IdR]
Utakmica[RbU] ⊆ Se\_nadmece[RbU]
Utakmica[IdR] ⊆ Se\_nadmece[IdR]

## Se\_nadmece

({RbU, IdR, IdKIU, Domacin}, {RbU+IdR+IdKI})
Se\_nadmece[RbU] ⊆ Utakmica[RbU]
Se\_nadmece[IdR] ⊆ Utakmica[IdR]
Se\_nadmece[IdKIU] ⊆ Klub[IdKI]
dom(IdKIU) ⊆ dom(IdKI)

# Ostvaruje\_statistiku

({IdKos, IdKIKos, IdKIU, RbU, IdR, P, S, A, U, LG, B, PB, PS, F, PSB, IL}, {IdKos+IdKIKos+IdKIU+RbU+IdR})
Ostvaruje\_statistiku[IdKos] ⊆ Igra[IdKos]
Ostvaruje\_statistiku[IdKIKos] ⊆ Igra[IdKIKos]
Ostvaruje\_statistiku[RbU] ⊆ Se\_nadmece[RbU]
Ostvaruje\_statistiku[IdR] ⊆ Se\_nadmece[IdR]
Ostvaruje\_statistiku[IdKIU] ⊆ Se\_nadmece[IdKIU]