***Zadatak 1.***

*veliko(medved).*

*veliko(slon).*

*malo(macka).*

*braon(medved).*

*crn(macka).*

*siv(slon).*

*taman(Z):-crn(Z).*

*taman(Z):-braon(Z).*

*? - taman(X),veliko(X).*

*? - crn(X),veliko(X).*

*? - veliko(macka).*

*? - braon(X),veliko(X).*

*? - veliko(medved).*

**Zadatak 2.**

*rastojanje(zr, ns, 50).*

*rastojanje(zr, bg,7 5).*

*? - rastojanje(zr, ns,50), rastojanje(zr, bg, 75).*

**Zadatak 3.**

*student(petar, petrovic, 22, 3, fizika).*

*student(petar, petrovic, 22, 2, matematika).*

*student(mirko, mirkovic, 23, 4, geografija).*

*student(djordje, djukic, 23, 2, it).*

*student(ana, anovic, 25, 5, fizika).*

*student(ana, anovic, 25, 3, geografija).*

*izdvoj1(X, Y):- student(Y, X, Z, \_, it),Z>22.*

*izdvoj2(X, Y):- student(X, Y, \_, \_, Z),(Z=matematika;Z=fizika).*

*izdvoj3(P, B, S):-student(\_, P, B, \_, S).*

*? - student(F, A, L, \_, fizika), L>21.*

*? - izdvoj3(X, Y, K).*

***Zadatak 4.***

*student(petar, petrovic, 22, 3, fizika).student(petar, petrovic, 22, 2, matematika).student(mirko, mirkovic, 23, 4, geografija).student(djordje, djukic, 23, 2, it).student(ana, anovic, 25, 5, fizika).student(ana, anovic, 25, 3, geografija).izdvoj1(X, Y):- student(Y, X, Z, \_, it),Z>22.izdvoj2(X, Y):- student(X, Y, \_, \_, Z),Z=matematika, student(X, Y, \_, \_, W), W=fizika.*

*? - student(djordje, djukic, 23, 2, it).*

*? - student(djordje, djukic, 27, 2, it).*

*? - student(djordje, djukic, X, 2, it).*

*? - student(X, Y, \_, \_, it), student(Z, T, \_, \_, fizika).*

*? - izdvoj1(X, Y)*

*? - izdvoj2(X, petrovic)*

**Zadatak 5.**

*stan(stefan,35,1500,1980).*

*stan(petar, 50,1600,1990).*

*stan(goran,75,1500,1980).*

*stan(djordje,80,1800,2010).*

*stan(marija,100,800,1985).*

*izdvoj1(X):-stan(X,\_,\_,G),(G<1970;G>2000).*

*upit2(I):-stan(I,K,C,G),(G=1985,K\*C>50000).*

*? - izdvoj1(X).*

*? - upit2(I).*