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Kelas : C

Mata kuliah : Praktikum Kecerdasan Buatan

Tugas :

```
laki(ray).
laki(peter).
laki(john).
cewe(susan).
cewe(mary).
cewe(liza).
pasangan(david,amy).
pasangan(jack,karen).
pasangan(john,susan).
anakA(david,liza).
anakA(david,john).
anakA(jack,susan).
anakA(jack,ray).
anakA(john,peter).
anakA(john,mary).
anakI(amy,liza).
anakI(amy,john).
anakI(karen,susan).
anakI(karen,ray).
anakI(susan,peter).
anakI(susan,mary).


is_laki(X):- laki(X).
is_cewe(X):- cewe(X).
is_anakA(X,Y):-anakA(X,Y).
is_anakI(X,Y):-anakI(X,Y).
is_pasangan(X,Y):-pasangan(X,Y).
is_sodaraA(Y,Z):-anakA(X,Y), anakA(X,Z).
is_sodaraI(Y,Z):-anakI(X,Y), anakI(X,Z).
is_sodaraIparA(Y,Z):-pasangan(X,Y), is_sodaraI(Z,X).
is_sodaraIparI(Y,Z):-is_sodaraI(X,Y),pasangan(Z,X).
is_kakek(X,Z):-anakA(X,Y), is_anakA(Y,Z).
is_nene(X,Z):-anakI(X,Y), is_anakI(Y,Z).
```

Hasil :

```
?- is_laki(X).
X = ray ;
X = peter ;
X = john.

?- is_cewe(X).
X = susan ;
X = mary ;
X = liza.
```

```
?- is_anakA(X,Y).
X = david,
Y = liza ;
X = david,
Y = john ;
X = jack,
Y = susan ;
X = jack,
Y = ray ;
X = john,
Y = peter ;
X = john,
Y = mary.

?- is_anakl(X,Y).
X = amy,
Y = liza ;
X = amy,
Y = john ;
X = karen,
Y = susan ;
X = karen,
Y = ray ;
X = susan,
Y = peter ;
X = susan,
Y = mary.

?- is_pasangan(X,y).
false.

?- is_pasangan(X,Y).
X = david,
Y = amy ;
X = jack,
Y = karen ;
X = john,
Y = susan.
```

```
?- is_sodataA(X,Y).
Correct to: "is_sodaraA(X,Y)"? yes
X = Y, Y = liza ;
X = liza,
Y = john ;
X = john,
Y = liza ;
X = Y, Y = john ;
X = Y, Y = susan ;
X = susan,
Y = ray ;
X = ray,
Y = susan ;
X = Y, Y = ray ;
X = Y, Y = peter ;
X = peter,
Y = mary ;
X = mary,
Y = peter ;
X = Y, Y = mary.
```

```
?- is_sodatal(X,Y).
Correct to: "is_sodaral(X,Y)"? yes
X = Y, Y = liza ;
X = liza,
Y = john ;
X = john,
Y = liza ;
X = Y, Y = john ;
X = Y, Y = susan ;
X = susan,
Y = ray ;
X = ray,
Y = susan ;
X = Y, Y = ray ;
X = Y, Y = peter ;
X = peter,
Y = mary ;
X = mary,
Y = peter ;
X = Y, Y = mary.

?- is_sodatalparA(Y,Z).
Correct to: "is_sodaralparA(Y,Z)"? yes
Y = susan,
Z = liza ;
Y = susan,
Z = john ;
false.

?- is_sodatalparl(Y,Z).
Correct to: "is_sodaralparl(Y,Z)"? yes
Y = susan,
Z = john ;
Y = ray,
Z = john ;
false.
```

```
?- is_kakek(X,Y).
X = david,
Y = peter
Unknown action: k (h for help)
Action? ;
X = david,
Y = mary ;
false.

?- is_nene(X,Z).
X = karen,
Z = peter ;
X = karen,
Z = mary ;
false.
```