

```
1
2  group(i, 0, 0).
3  group(ii, 0, a).
4  group(ii, a, a).
5  group(iii, 0, b).
6  group(iv, b, b).
7
8  inheritance(P1, P2, C) :-
9      group(C, A1, A2),
10     group(P1, A1, _),
11     group(P2, A2, _).
12
13
14
15 /*
16  ?- inheritance(i, ii, i).
17  true .
18
19  ?- inheritance(ii, ii, i).
20  true .
21
22  ?- findall(G, inheritance(ii, ii, G), Gs).
23  Gs = [i, ii, ii].
24
25  ?- findall([P1, P2], (inheritance(P1, P2, i), inheritance(P1, P2, ii)), Parents).
26  Parents = [[i, ii], [ii, ii], [ii, ii], [iii, ii]].
27  */
```