1 The File garden_party.pl

```
solve(Solution)
                                                               garden_party.pl
    solve(Solution) :-
   Four chefs, Aisha, Emma, Mei, and Winona, are attending a garden party.
They each prepare a different dish and bring a different beverage.
    Solution = [
    [aisha, Dish1, Beverage1],
    [emma, Dish2, Beverage2],
    [mei, Dish3, Beverage3],
    [winona, Dish4, Beverage4]
   ],
   The dishes are Pad Thai, Frybread, Tagine, and Biryani.
    permutation([Dish1, Dish2, Dish3, Dish4],
    [pad_thai, frybread, tagine, biryani]),
   The beverages are Tonic, Lassi, Kombucha, and Amasi.
    permutation([Beverage1, Beverage2, Beverage3, Beverage4],
    [tonic, lassi, kombucha, amasi]),
   Aisha prepares tagine.
   member([aisha, tagine, _], Solution),
   Emma brings amasi.
   member([emma, _, amasi], Solution),
   The chef who prepares frybread brings tonic.
    member([_, frybread, tonic], Solution),
   Mei brings lassi.
    member([mei, DishLassi, lassi], Solution),
   The chef who brings the lassi did not cook the biryani.
    dif(DishLassi, biryani),
   Winona does not prepare pad thai.
    member([winona, DishWinona, _], Solution),
    dif(DishWinona, pad_thai),
beverage(Chef, Beverage)
                                                               garden_party.pl
    beverage(Chef, Beverage) :-
    solve(Solution),
    member([Chef, _, Beverage], Solution),
                                                               garden_party.pl
dish(Chef, Dish)
```

```
dish(Chef, Dish) :-
solve(Solution),
member([Chef, Dish, _], Solution),
!.
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