

## 1 The File wedding\_woes.pl

```
chatty(?Person)
```

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The *Person* is chatty.

```
chatty(gustavo).  
chatty(valeria).
```

```
likes(?First, ?Second)
```

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The *First* person likes the *Second* person.

```
likes(esteban, malena).  
likes(malena, esteban).  
likes(gustavo, valeria).
```

```
pairing(?First, ?Second)
```

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Two people make a good pairing if they both like each other.

```
pairing(First, Second) :-  
    likes(First, Second),  
    likes(Second, First).
```

Chatty people intermingle easily, so at least one chatty person makes for a good pairing.

```
pairing(First, Second) :-  
    chatty(First);  
    chatty(Second).
```

```
seating(?A, ?B, ?C, ?D, ?E)
```

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A seating arrangement at a round table for five people consists of five good pairings.

```
seating(A, B, C, D, E) :-  
    pairing(A, B),  
    pairing(B, C),  
    pairing(C, D),  
    pairing(D, E),  
    pairing(E, A).
```