

## Re: Tracing with out using trace?

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  - *Date:* Sun, 03 Sep 2006 14:40:59 +0100
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Markus Triska wrote:

It's easy to derive the corresponding binary relation.

That wasn't a good example by me. Suppose the relationships are `son_of` and `daughter_of`, e.g.

```
son_of(homer, bart).
daughter_of(homer, lisa).
daughter_of(homer, maggie).
```

Now suppose I try to identify siblings by rule:

```
sibling([P, X, Y]) :-
  son_of(P, X),
  son_of(P, Y),
  X \== Y.
```

```
sibling([P, X, Y]) :-
  daughter_of(P, X),
  daughter_of(P, Y),
  X \== Y.
```

```
sibling([P, X, Y]) :-
  son_of(P, X),
  daughter_of(P, Y).
```

```
sibling([P, X, Y]) :-
  daughter_of(P, X),
  son_of(P, Y).
```

Not very elegant, I realise, but the print procedure does not know whether to label the `P-->X` line on the graph with `"son_of"` or `"daughter_of"` as they could be in either order.

Again, I realise that this can be coded around but I was hoping to avoid putting such restrictions on the user created rules by being able to duplicate trace and so "know" which link is being followed.

Does this make it clearer?

Re: Tracing with out using trace?

Regards,

—

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