

```
1  %% ProbLog sprinkler Bayes net
2  0.5::cloudy.
3  0.8::raining :- cloudy.
4  0.2::raining :- \+cloudy.
5  0.1::sprinkler :- cloudy.
6  0.5::sprinkler :- \+cloudy.
7  0.99::wetgrass :- sprinkler,raining.
8  0.0::wetgrass :- \+sprinkler,\+raining.
9  0.9::wetgrass :- sprinkler;raining.
10
11  evidence(sprinkler,true).
12  evidence(wetgrass,true).
13
14  query(cloudy).
```