Planning tasks for Prover9

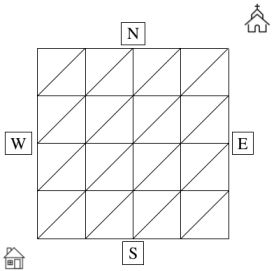
```
set(production).

formulas(demodulators).
 n = 4.    %rows
 m = 3.    %columns
end_of_list.

formulas(usable).
 J(x, y) & y < n          -> J(x, y+1)    #answer("E").
 J(x, y) & x < m          -> J(x+1, y)    #answer("N").
 J(x, y) & x < n & y < m -> J(x+1, y+1) #answer("NE").
end_of_list.

formulas(assumptions).
  J(0, 0)                  #answer("Init state: J(0,0)").
end_of_list.

formulas(goals).
   J(n,m).
end_of_list.
```



Each proof represents a route (`assign(max_proofs,3)`)