- 1. Among the main predicates we have the following:
 - room(X,Y) %The localisation of the room
 - adjacentTo(room(X,Y),room(XT,YT)) %detection of adjacent rooms and their content
 - location(room(X,Y)) %the position of the hunter
 - stench(room(X,Y)) %the scent of the wumpis if in a 1 block radius
 - breeze(room(X,Y)) %the wind, meaning there is a put in a 1 block radius
 - glitter(room(X,Y)) %meaning there is a gold in the current position

And many more

stench(room(2,3)).

2.

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%Can You grab Gold
                                               grabGold(room(2,3))
grabGold(location) :-
     location(room(A,B)),
                                              true
     gold(room(X,Y)),
     (X = : = A, Y = : = B).
%Current location of agent
location(room(2,3)).
shootWumpus(room(X,Y)) :-
                                               shootWumpus(room(2,3))
    room(X,Y),
    room(W,Z),
                                              true
    wumpus(room(W,Z)),
    adjacentTo(room(W,Z),room(X,Y)).
%There is a wumpus in a location
wumpus(room(_1,_2)) :-
   room(_3,_4),
                                              shootWumpus(room(2,2))
   room(_1,_2),
   stench(room(3, 4)),
   adjacentTo(room(_3,_4), room(_1,_2)).
                                             false
%stench Locations
stench(room(1,2)).
stench(room(1,4)).
```

3. As a limitation, we can't code for sure where there is a pit and where there are none because in a corner due to the size of the map as in a normal game, the agent wouldn't know that the position (4,2) is not a pit knowing that (4,1), (3,2), and (4,3) are breezes.



The Safe function also has limitations as it doesn't exactly give a precise answer when looking for safe positions.