Hexagonal Wumpus World

- ◆ similar to the grid wumpus world, but the underlying geometry is hexagonal
- mark the status of tiles
 visited (V)
 safe (OK)
 possible pit (P²)
 confirmed pit (P³)
 possible wumpus (W²)
 possible wumpus (W²)
 confirmed wumpus (W³)
 percepts (SBGPC)
 orientation of the agent
 action (arrow or line)

Task Definition

- ◆ add information about the stench and breeze percepts in this
 map by coloring or shading the respective tiles
 ◆ use a clockwise search strategy
 ◆ the agent times dockwise until it finds a safe, unvisited place;
 ◆ if there arent amy safe unvisited ones, it continues with unexplored
 areas, again with a clockwise turn strategy;
 ◆ if only risky locations are left, it takes the first one clockwise
- keep track of the activities of your agent through the template below

Knowledge and Reasoning

- ◆accumulate knowledge your agent has about the Wumpus world
- ◆ current location and percept
- ◆ new knowledge from observation (the percept)
- ◆ new knowledge from reasoning
- ◆ speculation (possible locations for pit, wumpus

Alternative Mode: WW Game

- ♦if you want to make this more realistic, you can do it
- one person (A) sets up the environment with locations for the wumpus and pits
- the other person (B), who should not know or see that setup, traverses the Wumpus World by asking A about properties of the current tile
- ◆ A responds with the percept for that location
- ◆ B updates its world model on the template, and decides what the next action will be

Hex WW Configuration F08 add information about the stench and breeze percepts in this map by coloring or shading the respective tiles

























