

**instituto POLITECNICO NACIONAL**

**ESCUELA SUPERIOR DE COMPUTO**

**CARRERA: INGIENERIA EN INTELIGENCIA ARTIFICIAL**

**UNIDAD DE APRENDIZAJE: aprendizaje maquina**

**El mundo del wumpus parte 2**

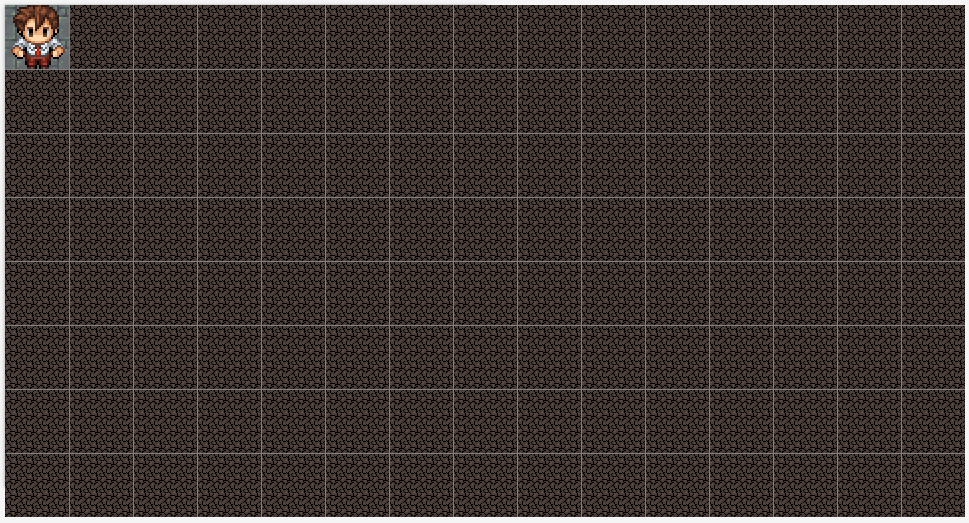
**ALUMNO(S): CHÁVEZ TORREBLANCA ÁNGEL ALEXIS**

**GRUPO: 5BM2**

**PROFESOR: García Mendoza consuelo varinia**

**ESTADO INICIAL.**

**TOMA DE DECISIONES**



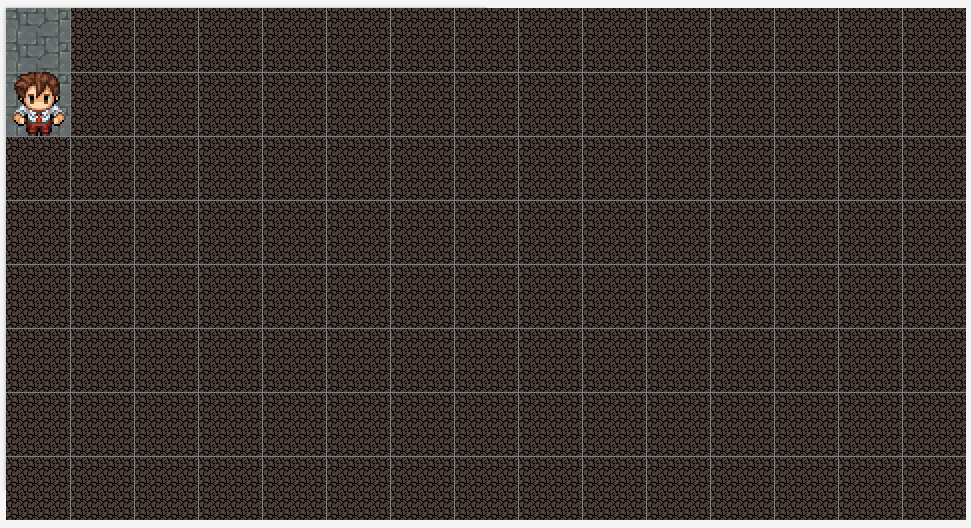
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **1,3** | 0 |  |  |  |  |  |  |
| **1,4** | 0 |  |  |  |  |  |  |
| **2,1** | 0 |  |  |  | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  |  |  |  |
| **2,3** | 0 |  |  |  |  |  |  |
| **2,4** | 0 |  |  |  |  |  |  |
| **3,1** | 0 |  |  |  |  |  |  |
| **3,2** | 0 |  |  |  |  |  |  |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 1.**

**TOMA DE DECISIONES**



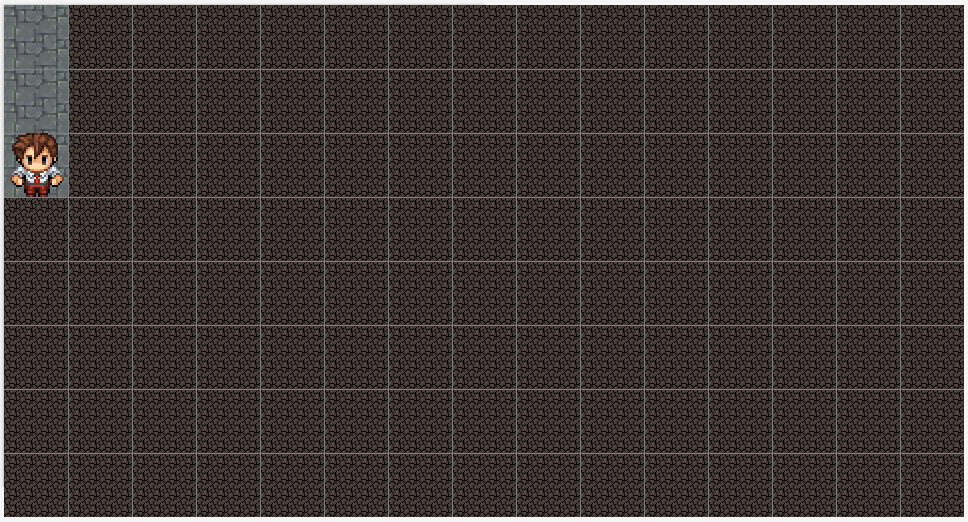
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **1,3** | 0 |  |  |  |  |  |  |
| **1,4** | 0 |  |  |  |  |  |  |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,3** | 0 |  |  |  |  |  |  |
| **2,4** | 0 |  |  |  |  |  |  |
| **3,1** | 0 |  |  |  | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  |  |  |  |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 2.**

**TOMA DE DECISIONES**



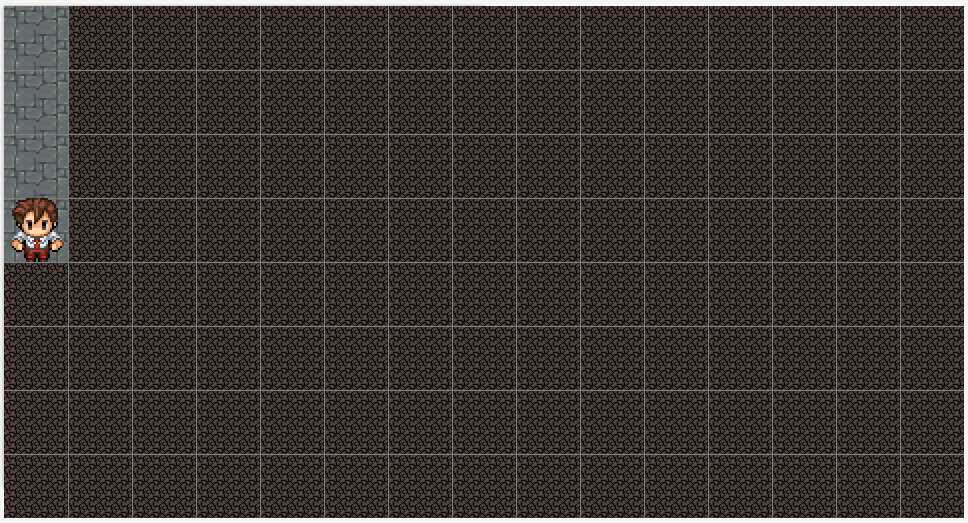
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  | 0 | 0 | 0 |
| **4,1** | 0 |  |  |  | 0 | 0 | 0 |
| **4,2** | 0 |  |  |  |  |  |  |
| **5,1** | 0 |  |  |  |  |  |  |
| **5,2** | 0 |  |  |  |  |  |  |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 3.**

**TOMA DE DECISIONES**



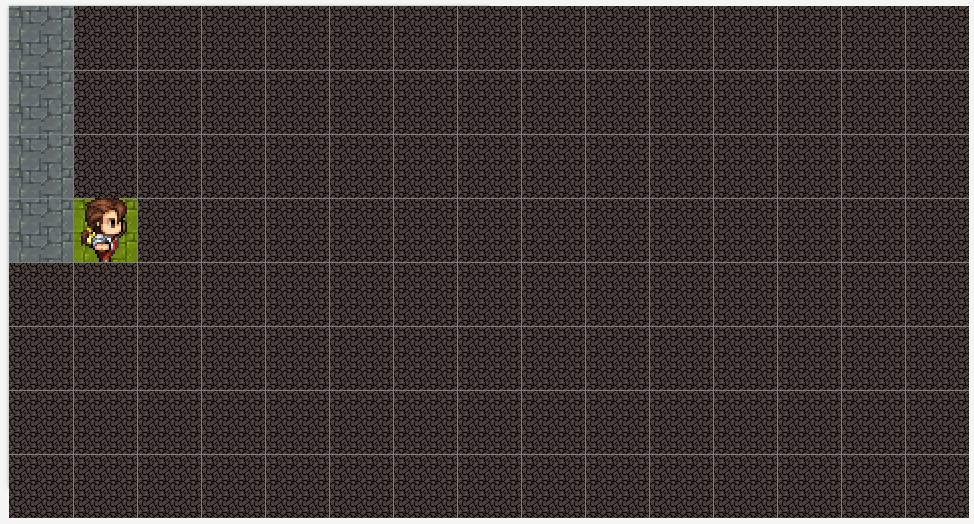
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  | 0 | 0 | 0 |
| **4,1** | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| **4,2** | 0 |  |  |  | 0 | 0 | ? |
| **5,1** | 0 |  |  |  | 0 | 0 | ? |
| **5,2** | 0 |  |  |  |  |  |  |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 4.**

**TOMA DE DECISIONES**



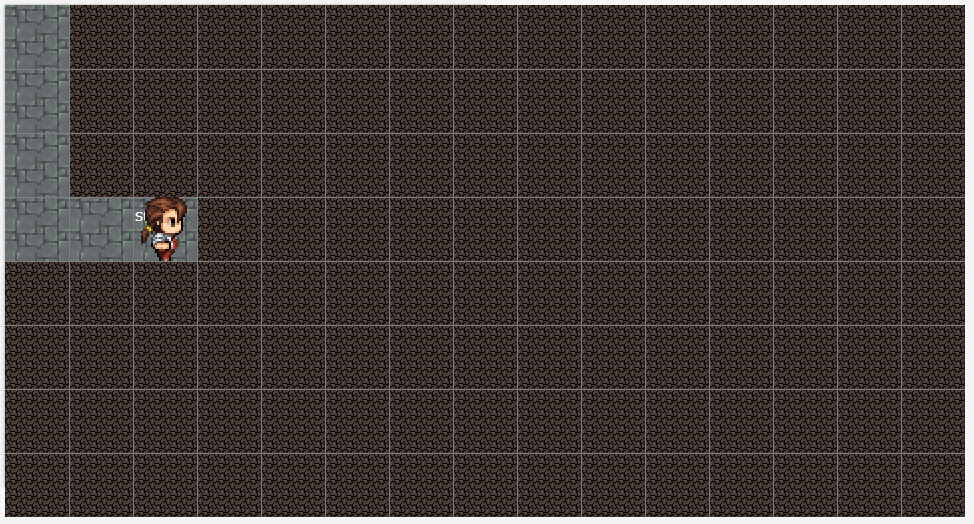
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  | 0 | 0 | 0 |
| **4,1** | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| **4,2** | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| **4,3** | 0 |  |  |  | 0 | 0 | 0 |
| **5,1** | 0 |  |  |  | 0 | 0 | ? |
| **5,2** | 0 |  |  |  | 0 | 0 | 0 |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 5.**

**TOMA DE DECISIONES**



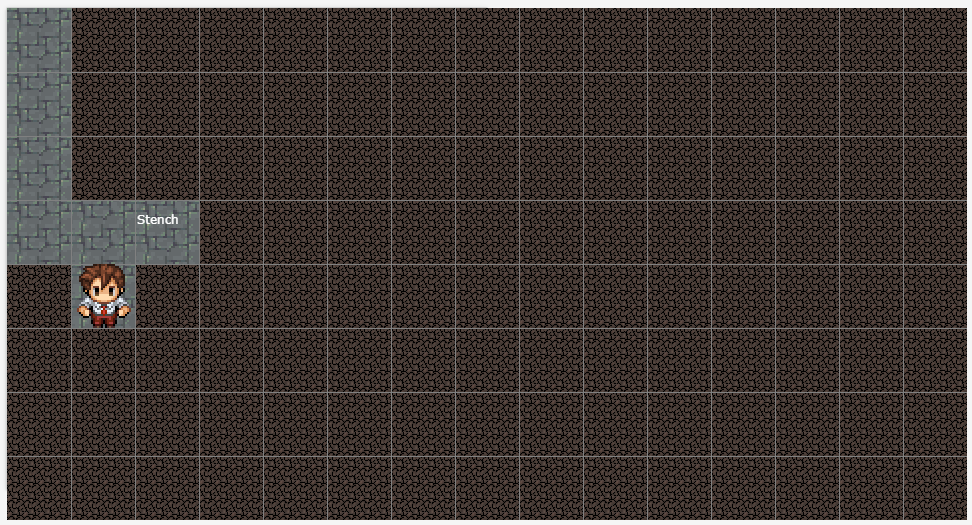
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,3** |  |  |  |  | ? | 0 | 0 |
| **4,1** | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| **4,2** | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| **4,3** | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| **4,4** | 0 |  |  |  | ? | 0 | 0 |
| **5,1** | 0 |  |  |  | 0 | 0 | ? |
| **5,2** | 0 |  |  |  | 0 | 0 | 0 |
| **5,3** | 0 |  |  |  | ? | 0 | 0 |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 6.**

**TOMA DE DECISIONES**



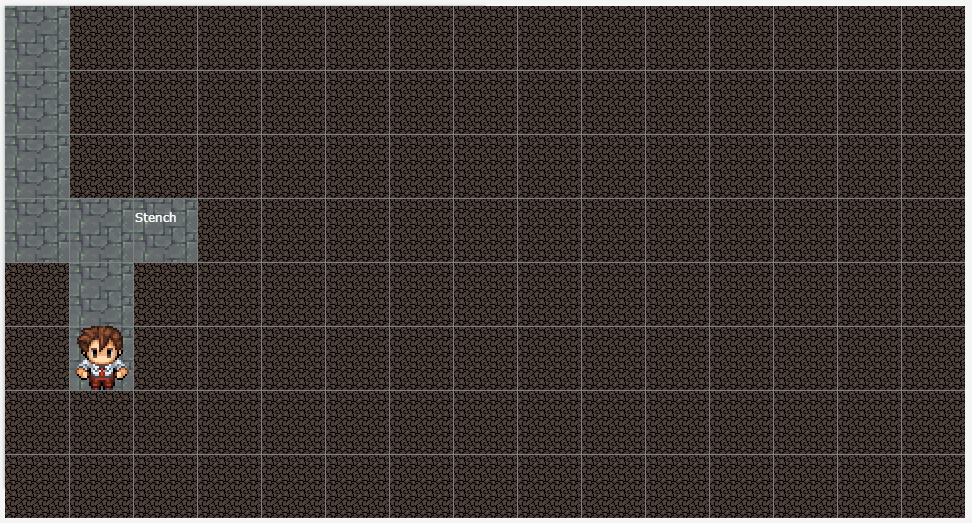
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,3** |  |  |  |  | ? | 0 | 0 |
| **4,1** | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| **4,2** | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| **4,3** | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| **4,4** | 0 |  |  |  | ? | 0 | 0 |
| **5,1** | 0 |  |  |  | 0 | 0 | 0 |
| **5,2** | 1 |  |  |  | 0 | 0 | 0 |
| **5,3** | 0 |  |  |  | 0 | 0 | 0 |
| **6,2** | 0 |  |  |  | 0 | 0 | 0 |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 7.**

**TOMA DE DECISIONES**



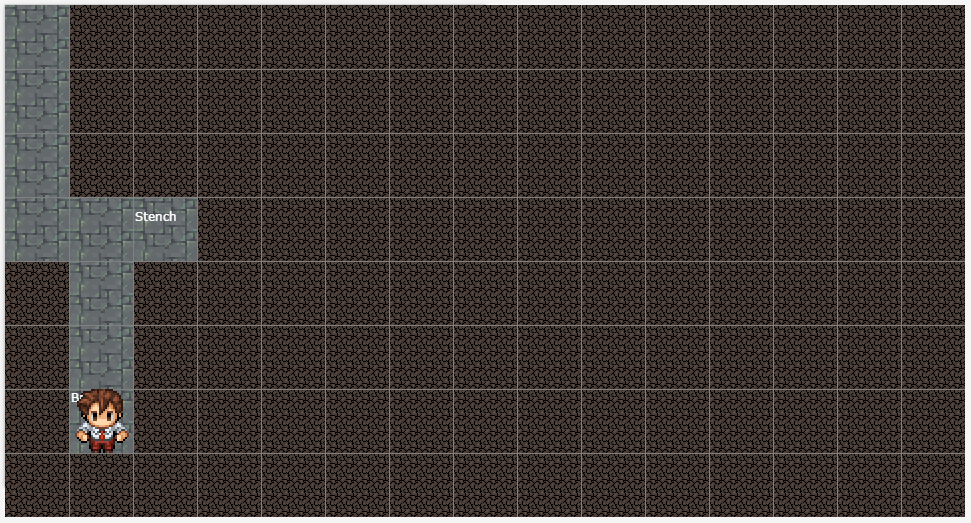
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,3** |  |  |  |  | ? | 0 | 0 |
| **4,1** | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| **4,2** | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| **4,3** | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| **4,4** | 0 |  |  |  | ? | 0 | 0 |
| **5,1** | 0 |  |  |  | 0 | 0 | 0 |
| **5,2** | 1 |  |  |  | 0 | 0 | 0 |
| **5,3** | 0 |  |  |  | 0 | 0 | 0 |
| **6,1** |  |  |  |  |  |  |  |
| **6,2** | 1 |  |  |  | 0 | 0 | 0 |
| **6,3** | 0 |  |  |  | 0 | 0 | 0 |
| **7,2** | 0 |  |  |  | 0 | 0 | 0 |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 8.**

**TOMA DE DECISIONES**



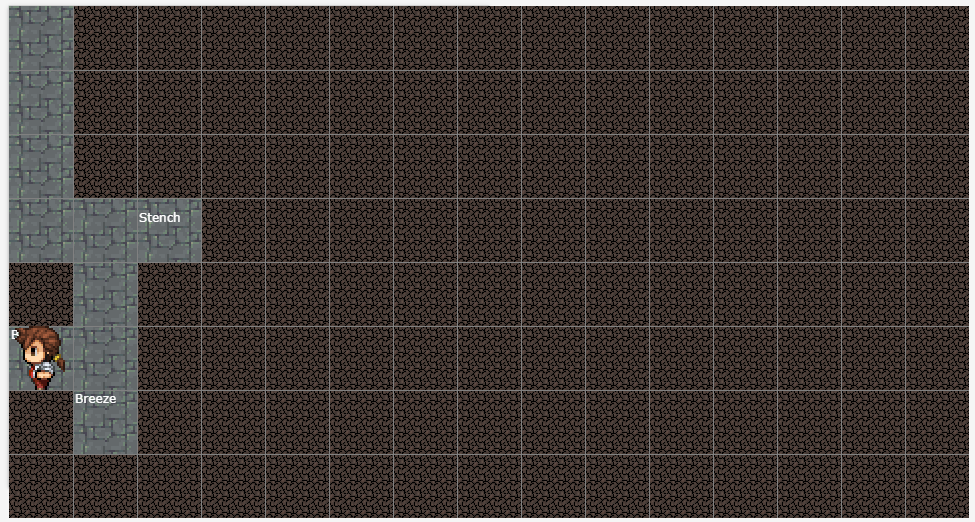
**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,3** |  |  |  |  | ? | 0 | 0 |
| **4,1** | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| **4,2** | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| **4,3** | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| **4,4** | 0 |  |  |  | ? | 0 | 0 |
| **5,1** | 0 |  |  |  | 0 | 0 | 0 |
| **5,2** | 1 |  |  |  | 0 | 0 | 0 |
| **5,3** | 0 |  |  |  | 0 | 0 | 0 |
| **6,1** |  |  |  |  |  |  |  |
| **6,2** | 1 |  |  |  | 0 | 0 | 0 |
| **6,3** | 0 |  |  |  | 0 | 0 | 0 |
| **7,1** | 0 |  |  |  | 0 | ? | 0 |
| **7,2** | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| **7,3** | 0 |  |  |  | 0 | ? | 0 |
| **8,2** | 0 |  |  |  | 0 | ? | 0 |
| **…** | 0 |  |  |  |  |  |  |

**MOVIMIENTO 9.**

**TOMA DE DECISIONES**



**PROCESO DE INFERENCIA.**

**REPRESENTACIÓN DEL CONOCIMIENTO.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CASILLA** | **VISIT (V)** | **STENCH (S)** | **BREEZE (B)** | **GLITTER (R)** | **WUMPUS (W)** | **PIT (P)** | **GOLD (G)** |
| **1,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **1,2** | 0 |  |  |  | 0 | 0 | 0 |
| **2,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **2,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,1** | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3,2** | 0 |  |  |  | 0 | 0 | 0 |
| **3,3** |  |  |  |  | ? | 0 | 0 |
| **4,1** | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| **4,2** | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| **4,3** | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| **4,4** | 0 |  |  |  | ? | 0 | 0 |
| **5,1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **5,2** | 1 |  |  |  | 0 | 0 | 0 |
| **5,3** | 0 |  |  |  | 0 | 0 | 0 |
| **6,1** | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| **6,2** | 1 |  |  |  | 0 | 0 | 0 |
| **6,3** | 0 |  |  |  | 0 | 0 | 0 |
| **7,1** | 0 |  |  |  | 0 | 1 | 0 |
| **7,2** | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| **7,3** | 0 |  |  |  | 0 | 0 | 0 |
| **8,2** | 0 |  |  |  | 0 | 0 | 0 |
| **…** | 0 |  |  |  |  |  |  |