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|---|--|--|-------------------------------------|
| <span style="background-color: #ff9999; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 1 | Symbolic goal                                  | <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 9  | Reply about environment information |
| <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 2 | Current semantic robot location                | <span style="background-color: #ff9999; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 10 | Geometric sub-goal                  |
| <span style="background-color: #ff9999; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 3 | Current semantic robot location from SLAM      | <span style="background-color: #ff9999; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 11 | Sub-goal success/ failure event     |
| <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 4 | Environment information                        | <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 12 | Request for next sub-goal           |
| <span style="background-color: #ff9999; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 5 | Environment information from Environment Model | <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 13 | Sub-goal failure event              |
| <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 6 | Semantic position properties                   | <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 14 | Failure cause                       |
| <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 7 | Set of geometric subgoals                      | <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 15 | Status from recovery unit           |
| <span style="background-color: #ffcc00; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 8 | Geometric sub-goal                             | <span style="background-color: #ff9999; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 16 | Failure event (with suggestions)    |