|  | Success              | Nonexec Nonexec | Time Fail | Mem Fail |
|--|----------------------|-----------------|-----------|----------|
| Coalition Similarity $(f_{max} = 0.25)$          |                      |                 |           |          |
| Coalition Similarity ( $f_{max} = 0.50$ )        |                      |                 |           |          |
| Action-Object-Temporal $(f_{max} = 0.25)$        |                      |                 |           |          |
| <b>Object-Temporal</b> $(f_{max} = 0.50)$        |                      |                 |           |          |
| Coalition Formation and Planning                 |                      |                 |           |          |
| Action-Object-Temporal $(f_{max} = 0.50)$        |                      |                 |           |          |
| <b>Object</b> $(f_{max} = 0.50)$                 |                      |                 |           |          |
| <b>Object-Temporal</b> $(f_{max} = 0.25)$        |                      |                 |           |          |
| Action-Object $(f_{max} = 1.00)$                 |                      |                 |           |          |
| Action-Object $(f_{max} = 0.50)$                 |                      |                 |           |          |
| Action-Temporal $(f_{max} = 0.25)$               |                      |                 |           |          |
| Action-Temporal $(f_{max} = 0.50)$               |                      |                 |           |          |
| <b>Action-Object</b> $(f_{max} = 0.25)$          |                      |                 |           |          |
| <b>Object</b> $(f_{max} = 0.25)$                 |                      |                 |           |          |
| <b>Action</b> $(f_{max} = 0.25)$                 |                      |                 |           |          |
| <b>Action-Object-Temporal</b> $(f_{max} = 0.75)$ |                      |                 |           |          |
| Coalition Similarity ( $f_{max} = 1.00$ )        |                      |                 |           |          |
| Coalition Assistance ( $f_{max} = 0.25$ )        |                      |                 |           |          |
| Coalition Similarity ( $f_{max} = 0.75$ )        |                      |                 |           |          |
| <b>Action-Temporal</b> $(f_{max} = 0.75)$        |                      |                 |           |          |
| <b>Object</b> $(f_{max} = 1.00)$                 |                      |                 |           |          |
| <b>Object-Temporal</b> $(f_{max} = 1.00)$        |                      |                 |           |          |
| <b>Object-Temporal</b> $(f_{max} = 0.75)$        |                      |                 |           |          |
| Action-Object $(f_{max} = 0.75)$                 |                      |                 |           |          |
| Coalition Assistance ( $f_{max} = 0.50$ )        |                      |                 |           |          |
| Action-Temporal $(f_{max} = 1.00)$               |                      |                 |           |          |
| Action-Object-Temporal $(f_{max} = 1.00)$        |                      |                 |           |          |
| $Action (f_{max} = 1.00)$                        |                      |                 |           |          |
| $Action (f_{max} = 0.50)$                        |                      |                 |           |          |
| Object $(f_{max} = 0.75)$                        |                      |                 |           |          |
| Coalition Assistance $(f_{max} = 1.00)$          |                      |                 |           |          |
| Coalition Assistance $(f_{max} = 0.75)$          |                      |                 |           |          |
| Action $(f_{max} = 0.75)$                        |                      |                 |           |          |
| (  | ) 20                 | ) 40            | 60        | 80 100   |
|  | Planning Results (%) |                 |           |          |