Experiment with Option 1:

Results with Number of rounds 10 with out fair matches with 150 milli seconds:

|  |  |
| --- | --- |
| Test Agent | Matches won (%) |
| Random | 95% |
| Greedy | 75% |
| MiniMax | 45% |

Results with Number of rounds 10 with fair matches with 150 milli seconds:

|  |  |
| --- | --- |
| Test Agent | Matches won (%) |
| Random | 92.5% |
| Greedy | 62.5% |
| MiniMax | 55% |

Results with Number of rounds 10 with out fair matches with 250 milli seconds:

|  |  |
| --- | --- |
| Test Agent | Matches won (%) |
| Random | 90% |
| Greedy | 80% |
| MiniMax | 40% |

Results with Number of rounds 10 with fair matches with 250 milli seconds:

|  |  |
| --- | --- |
| Test Agent | Matches won (%) |
| Random | 87.5% |
| Greedy | 82.5% |
| MiniMax | 60% |

From the above it is observed with the enable of fair matches and more time (250 milli seconds), my agent wons 60% against the MiniMax.

Results with Number of rounds 150 with out fair matches with 150 milli seconds:

|  |  |
| --- | --- |
| Test Agent | Matches won (%) |
| Random | 92.3% |
| Greedy | 71.3% |
| MiniMax | 41% |

Results with Number of rounds 150 with fair matches with 150 milli seconds:

|  |  |
| --- | --- |
| Test Agent | Matches won (%) |
| Random | 91.5% |
| Greedy | 62.8% |
| MiniMax | 41.8% |

Results with Number of rounds 150 with out fair matches with 250 milli seconds:

|  |  |
| --- | --- |
| Test Agent | Matches won (%) |
| Random | 92.7% |
| Greedy | 70.7% |
| MiniMax | 45.3% |

Results with Number of rounds 150 with fair matches with 250 milli seconds:

|  |  |
| --- | --- |
| Test Agent | Matches won (%) |
| Random | 91.2% |
| Greedy | 64.8% |
| MiniMax | 59% |

From the above it is observed with the enable of fair matches and more time (250 milli seconds), my agent wons 59% against the MiniMax means better than the MiniMax.

Added depth and minimum distance features in my MiniMax and most of the times it is better than the test agent.

When the search speed time limit is increases the number of matches won increased against the MiniMax.