All the other helper functions are included in three functions below

simplePlayer

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Empty Board | simplePlayer [(3,3),(4,3)] [] | ((3,3),L) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Multiple possible dominoes on hand | simplePlayer [(5,2),(4,6)] [(4,3),(3,5)] | ((5,2),R) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Domino with L | simplePlayer [(1,2),(4,6)] [(4,3),(3,5)] | ((4,6),L) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Domino with R | simplePlayer [(5,2),(3,6)] [(4,3),(3,5)] | ((5,2),R) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Empty hand | simplePlayer [] [(4,3),(3,5)] | ((100,100),L) |

hsdPlayer

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Empty Board | hsdPlayer [(3,3),(3,6)] [] | ((3,6),L) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| No dominoes can be played | hsdPlayer [(3,3),(3,6)] [(4,2)] | ((3,3),L) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Domino is already on the board | hsdPlayer [(4,2),(3,3)] [(4,2)] | ((4,2),L) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| One domino is already played but there is another domino that can be played | hsdPlayer [(4,2),(3,2)] [(4,2)] | ((3,2),R) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Two possible dominoes with different score | hsdPlayer [(5,2),(4,6)] [(4,3),(3,5)] | ((5,2),R) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Domino with L | hsdPlayer [(1,2),(4,6)] [(4,3),(3,5)] | ((4,6),L) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Domino with R | hsdPlayer [(5,2),(3,6)] [(4,3),(3,5)] | ((5,2),R) |

playDomsround

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Two simplePlayers with seed 40 | playDomsRound simplePlayer simplePlayer 40 | (5,7) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Two hsdPlayers with seed 40 | playDomsRound hsdPlayer hsdPlayer 40 | (11,8) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| One simplePlayer and hsdPlayer with seed 40 | playDomsRound simplePlayer hsdPlayer 40 | (9,18) |

|  |  |  |
| --- | --- | --- |
| Two simplePlayers with different seed like 20 | playDomsRound simplePlayer simplePlayer 20 | (4,6) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| Two hsdPlayers with different seed like 20 | playDomsRound hsdPlayer hsdPlayer 20 | (8,3) |

|  |  |  |
| --- | --- | --- |
| Test Condition | Call | Result |
| One simplePlayer and a hsdPlayer with different seed like 20 | playDomsRound simplePlayer hsdPlayer 20 | (4,8) |