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CMPT 317
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ASSIGNMENT 6
MARCH 7TH 2023

QUESTION 4

Mega Man Battle Arena is not currently balanced, and I think there are couple of changes that could be made to make the game more balanced. To improve the balance of the game and make it fun to play, here are some little modifications that can be implemented to balance the game and fun for users

For Dr Wily, to make the game balanced, Gamma should be able to come into the Arena at any time. It would help to make the game balanced

Would be great to increase the LifePoint of Mega Man from 30 to 50 points. Changing the LifePoint for Mega Man would improve the game and make it more balanced

Also changing the order that each character comes into the arena could help make the game more fun and balanced too

Would be great to change each of the character life points so that the game can be more interesting so that way can offer them a better chance

	Dr Wily Win	Dr Light Win	Draw	Rule
1	0.743	0.031	0.042	Current
1	0.711	0.052	0.036	Predicted
2	0.683	0.128	0.024	Current
2	0.682	0.119	0.075	Predicted
3	0.621	0.437	0.032	Current
3	0.582	0.416	0.051	Predicted
4	0.422	0.522	0.041	Current
4	0.374	0.480	0.018	Predicted
5	0.217	0.211	0.033	Current
5	0.204	0.336	0.042	Predicted

Play_full_games.py

Game took 1.0796657949977089 seconds

For trial 7 0: Draw

Game took 1.0772156739840284 seconds

For trial 7 3: Draw

Game took 0.6224347109964583 seconds

For trial 0 7: Draw

Game took 0.642613881995203 seconds

For trial 3 7: Draw

Game took 0.0018884100136347115 seconds

For trial 0 0: Draw

Game took 4.543378002010286 seconds

For trial 8 8: Draw

Process finished with exit code 0