

induced total fraction defectives of 26.35 which was lesser than Anand therefore Gary (playing with black) won the match.

Game 3 was played between GM Gary Kasprov (playing with white) and GM Viswanathan Anand (playing with black) at classic tournament in the year 1995 in this match Gary induced total fraction defectives of 2.65 and Anand induced total fraction defectives of 2.37 which was more or less equal having a difference of 0.28 hence match was a draw.

Game 4 acts as a proof for game 3 where the author has taken the moves from ECO (Encyclopedia of chess openings) and attempted to draw the game using three fold repetition rule and analyzed the total fraction defectives and the difference between the defects of the two side which came out to be 1.62 for white and 1.42 for black having a difference of 0.2 which shows that the difference of defects in game 3 was insignificant as game 4 was also a draw.

6. Conclusion

In a game of chess, a player inducing lesser defects is a winner and if both the player induces more or less equal defects then the game eventually ends in a draw.

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Note: The Proof for the paper and research work is given in the appendix below but not to be published.