

Appendix to the paper
Bozóki, S. – Csató, L. – Temesi, J. [2016]: An application of
incomplete pairwise comparison matrices for ranking top
tennis players. *European Journal of Operational
Research*. 248(1): 211–218.

<http://dx.doi.org/10.1016/j.ejor.2015.06.069>

Contents

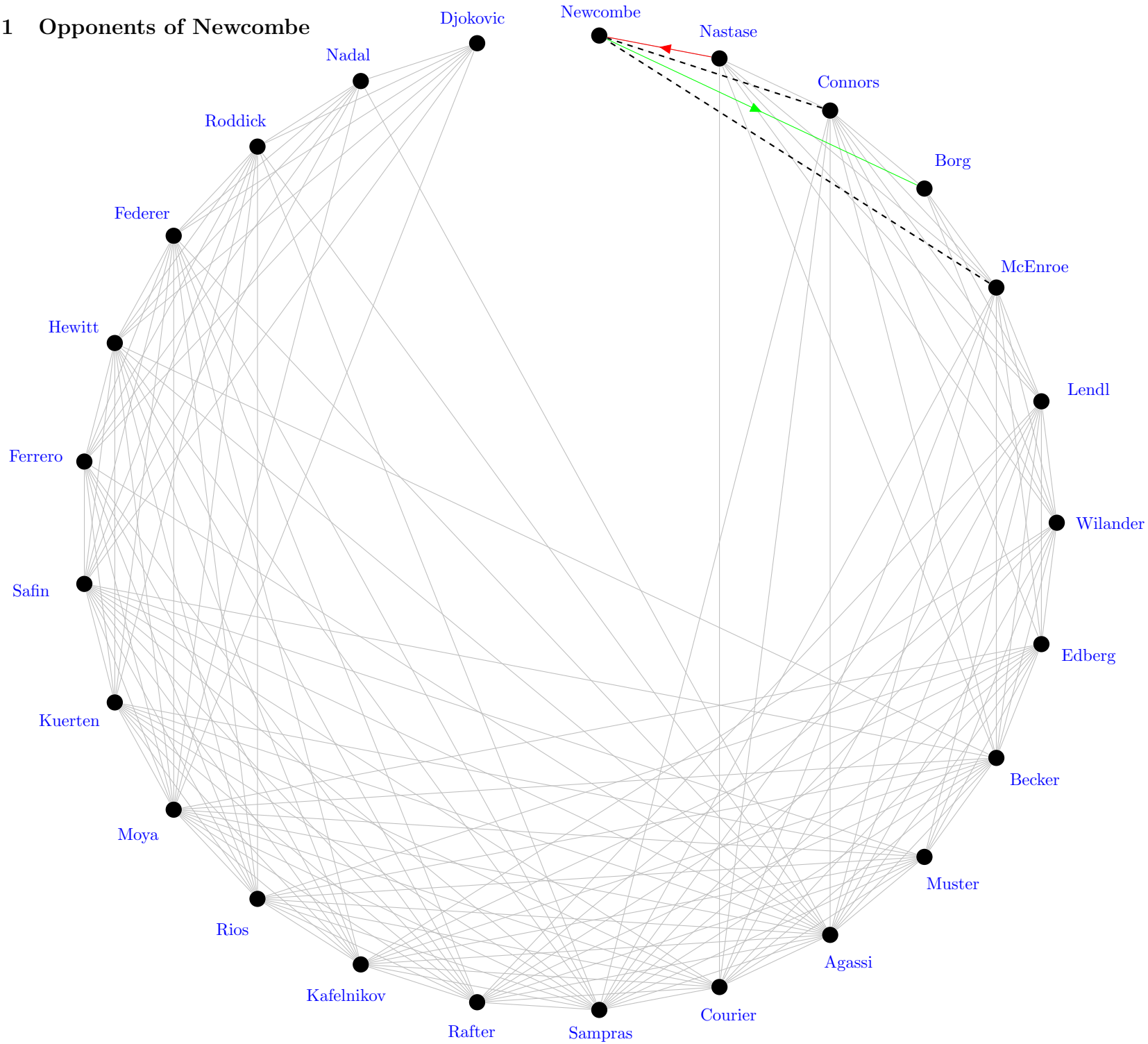
1 Graphs

- 1.1 Opponents of Newcombe
- 1.2 Opponents of Nastase
- 1.3 Opponents of Connors
- 1.4 Opponents of Borg
- 1.5 Opponents of McEnroe
- 1.6 Opponents of Lendl
- 1.7 Opponents of Wilander
- 1.8 Opponents of Edberg
- 1.9 Opponents of Becker
- 1.10 Opponents of Muster
- 1.11 Opponents of Agassi
- 1.12 Opponents of Courier
- 1.13 Opponents of Sampras
- 1.14 Opponents of Rafter
- 1.15 Opponents of Kafelnikov
- 1.16 Opponents of Rios
- 1.17 Opponents of Moya
- 1.18 Opponents of Kuerten
- 1.19 Opponents of Safin
- 1.20 Opponents of Ferrero
- 1.21 Opponents of Hewitt
- 1.22 Opponents of Federer
- 1.23 Opponents of Roddick
- 1.24 Opponents of Nadal
- 1.25 Opponents of Djokovic

2 Intransitive triads

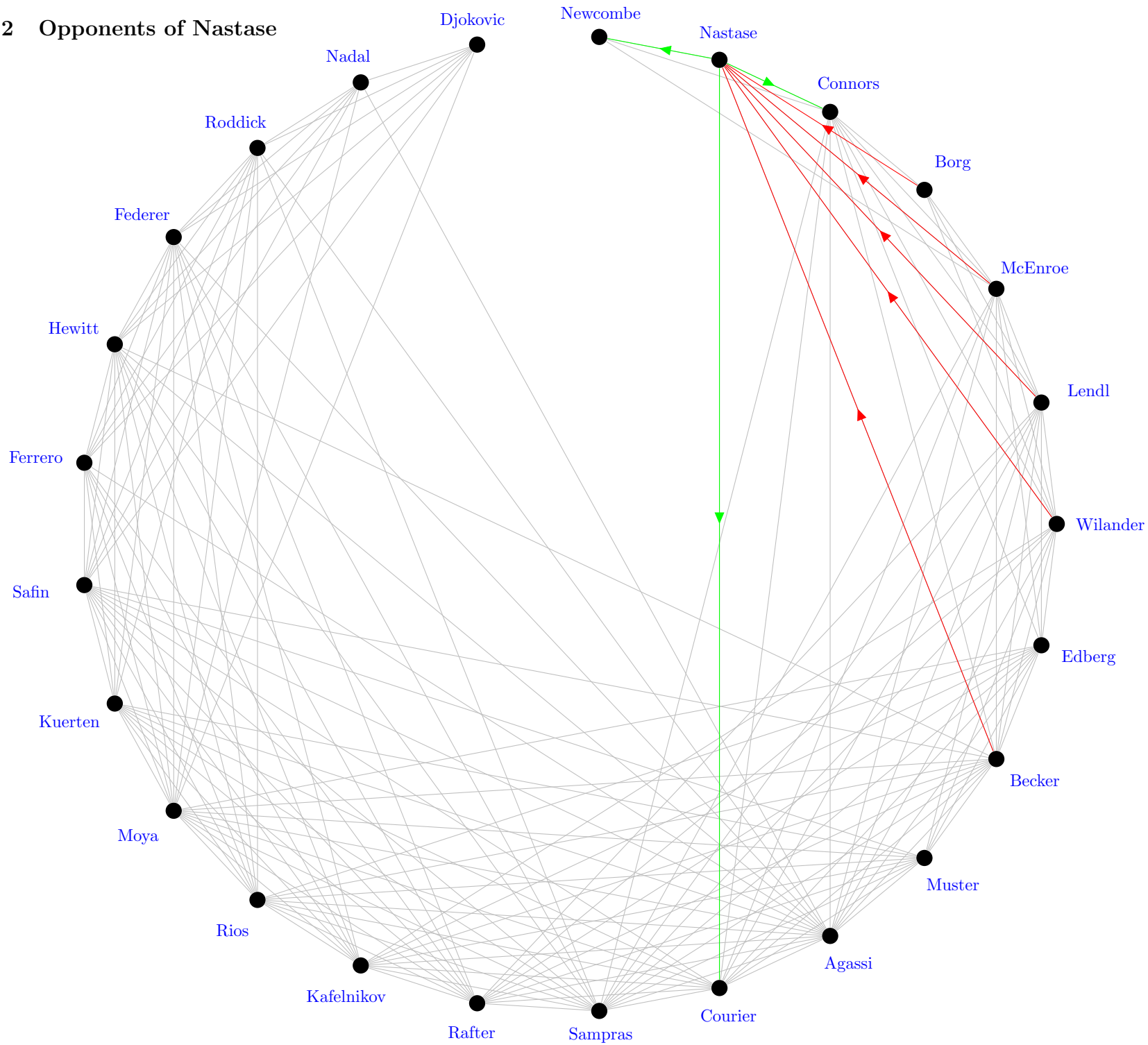
1 Graphs

1.1 Opponents of Newcombe



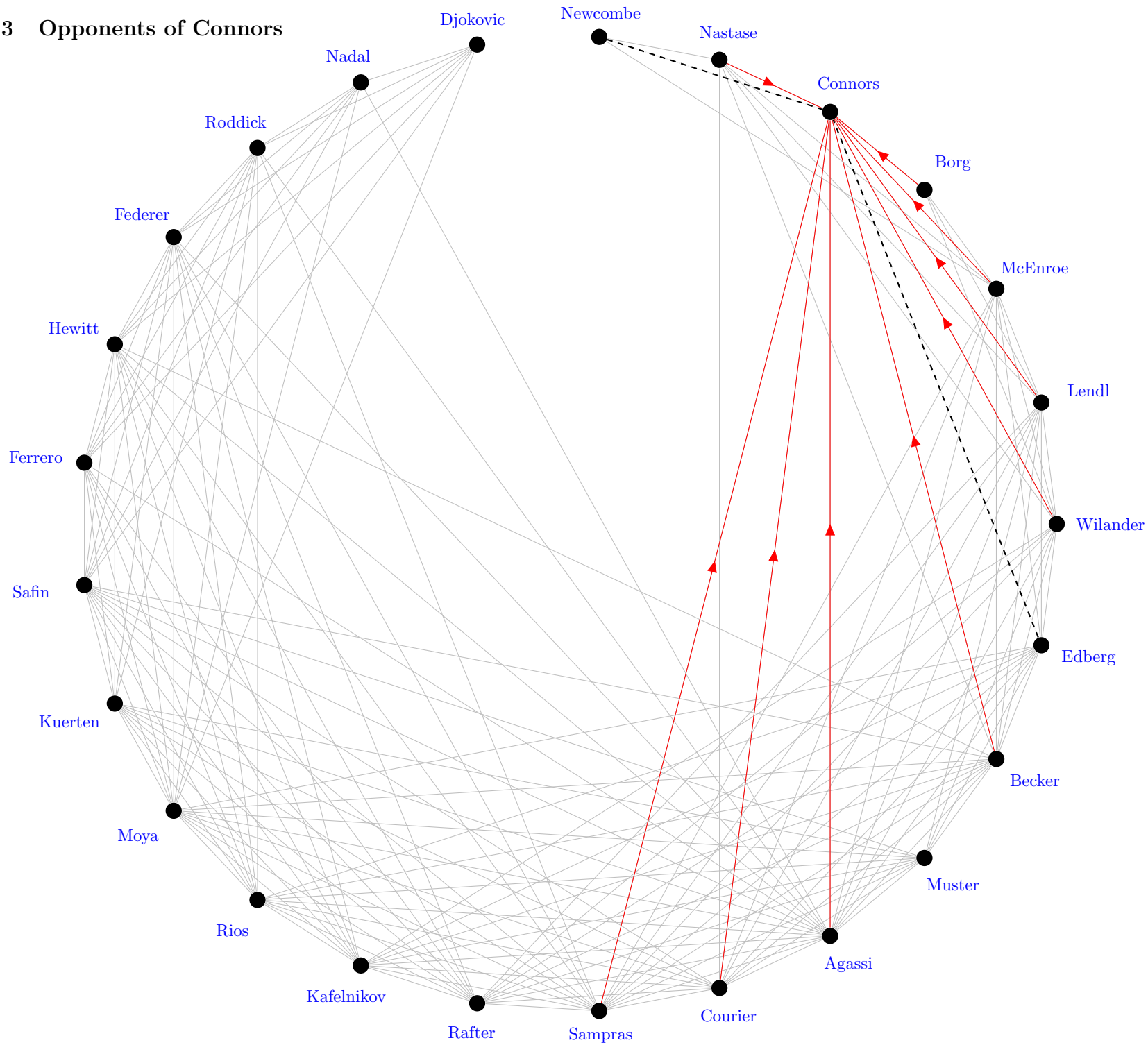
Newcombe		
against	Win	Loss
Borg	3	1
Connors	2	2
McEnroe	1	1
Nastase	1	4
Sum	7	8

1.2 Opponents of Nastase



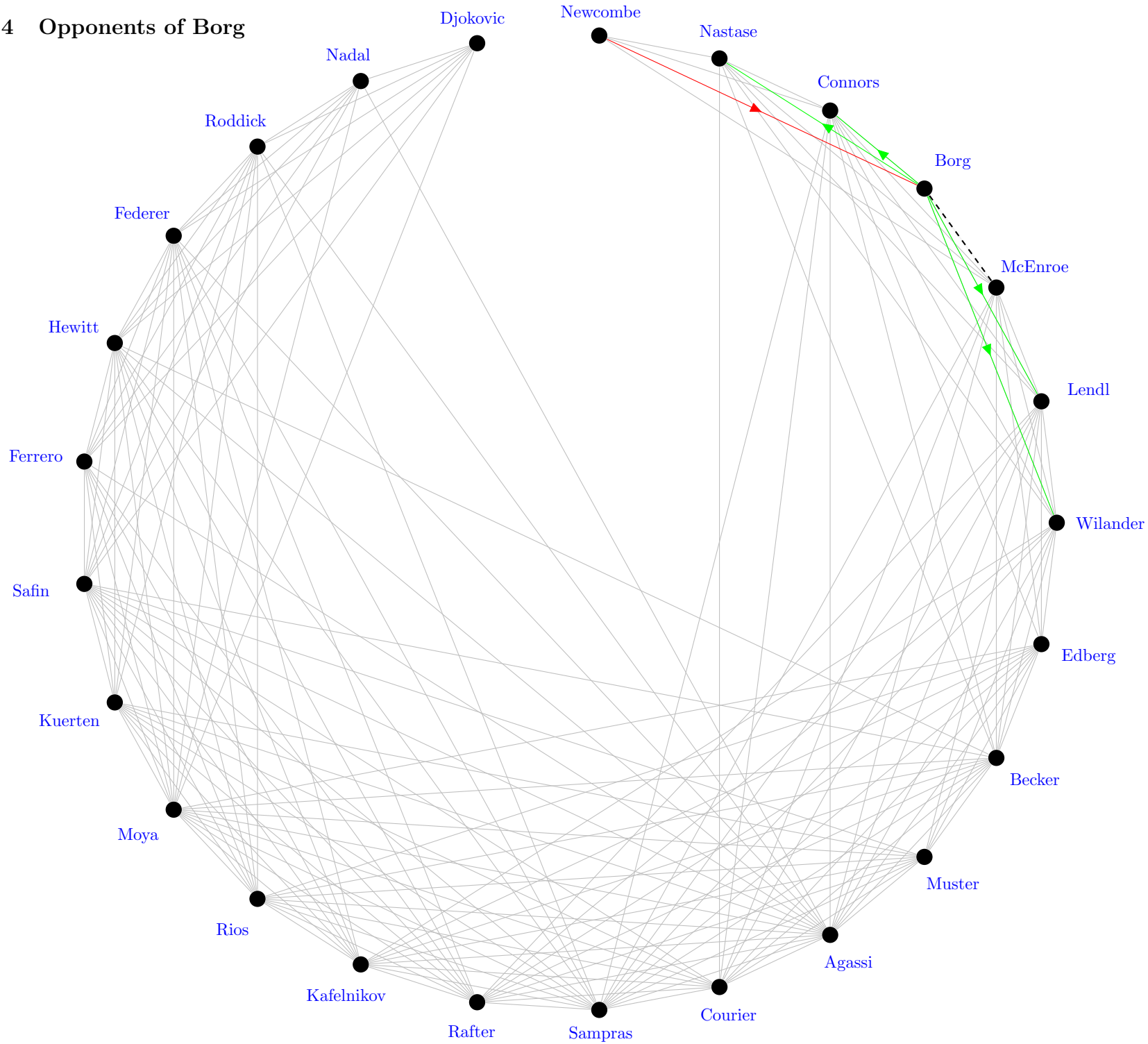
Nastase		
against	Win	Loss
Becker	0	1
Borg	5	10
Connors	15	12
Courier	1	0
Lendl	0	1
McEnroe	3	6
Newcombe	4	1
Wilander	0	1
Sum	28	32

1.3 Opponents of Connors



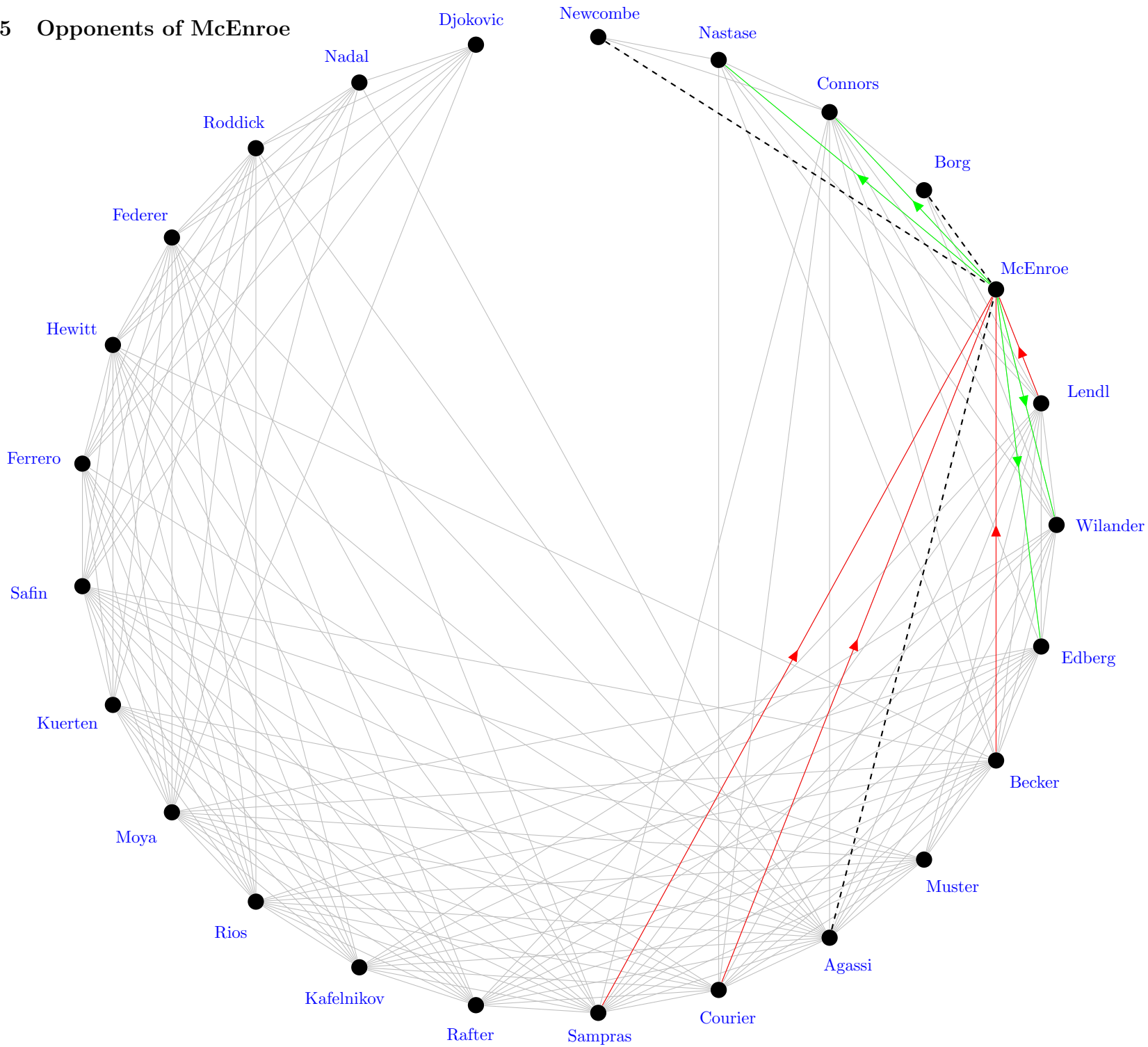
Connors		
against	Win	Loss
Agassi	0	2
Becker	0	6
Borg	8	15
Courier	0	3
Edberg	6	6
Lendl	13	21
McEnroe	14	20
Nastase	12	15
Newcombe	2	2
Sampras	0	2
Wilander	0	5
Sum	55	97

1.4 Opponents of Borg



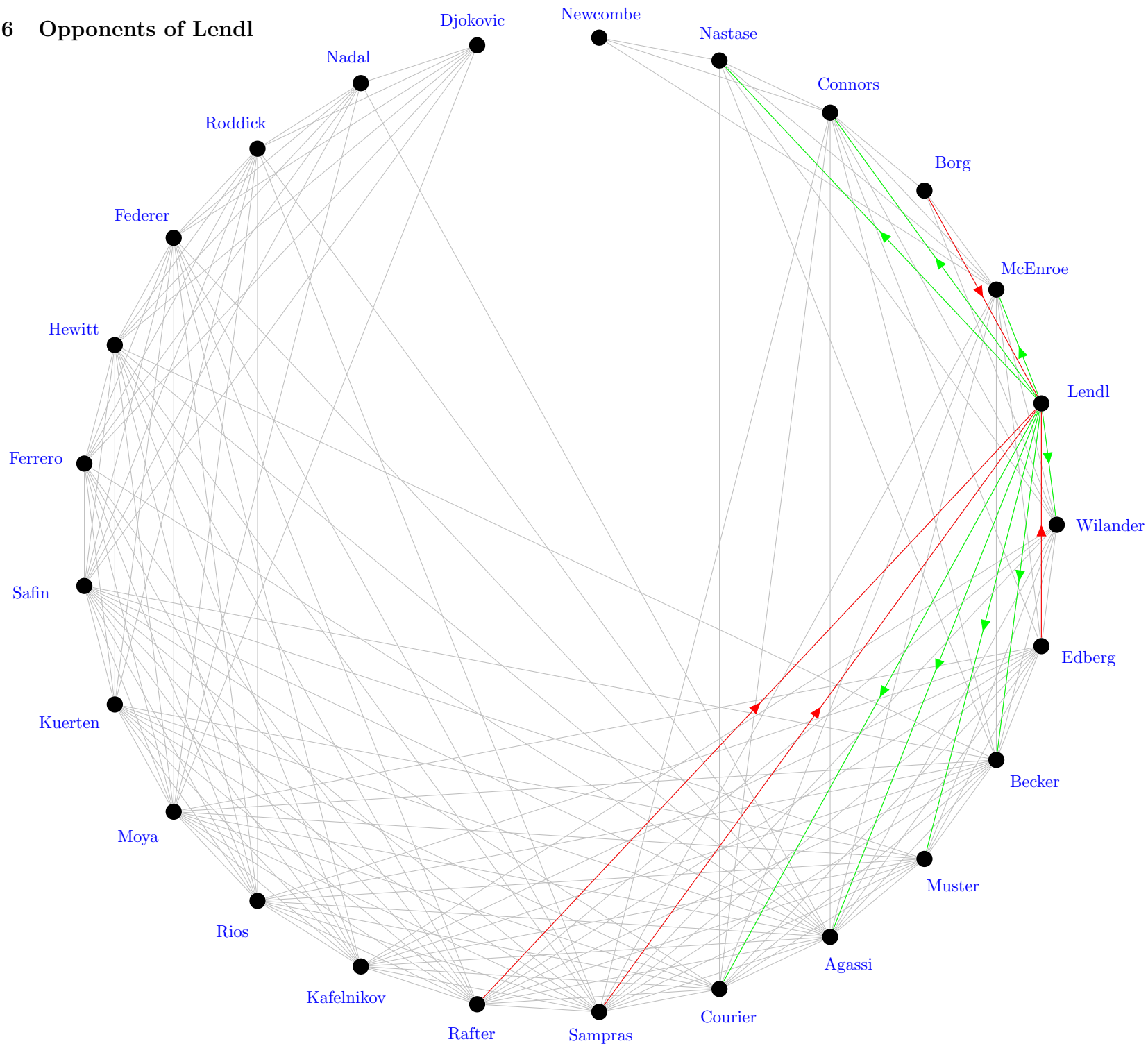
Borg		
against	Win	Loss
Connors	15	8
Lendl	6	2
McEnroe	7	7
Nastase	10	5
Newcombe	1	3
Wilander	1	0
Sum	40	25

1.5 Opponents of McEnroe



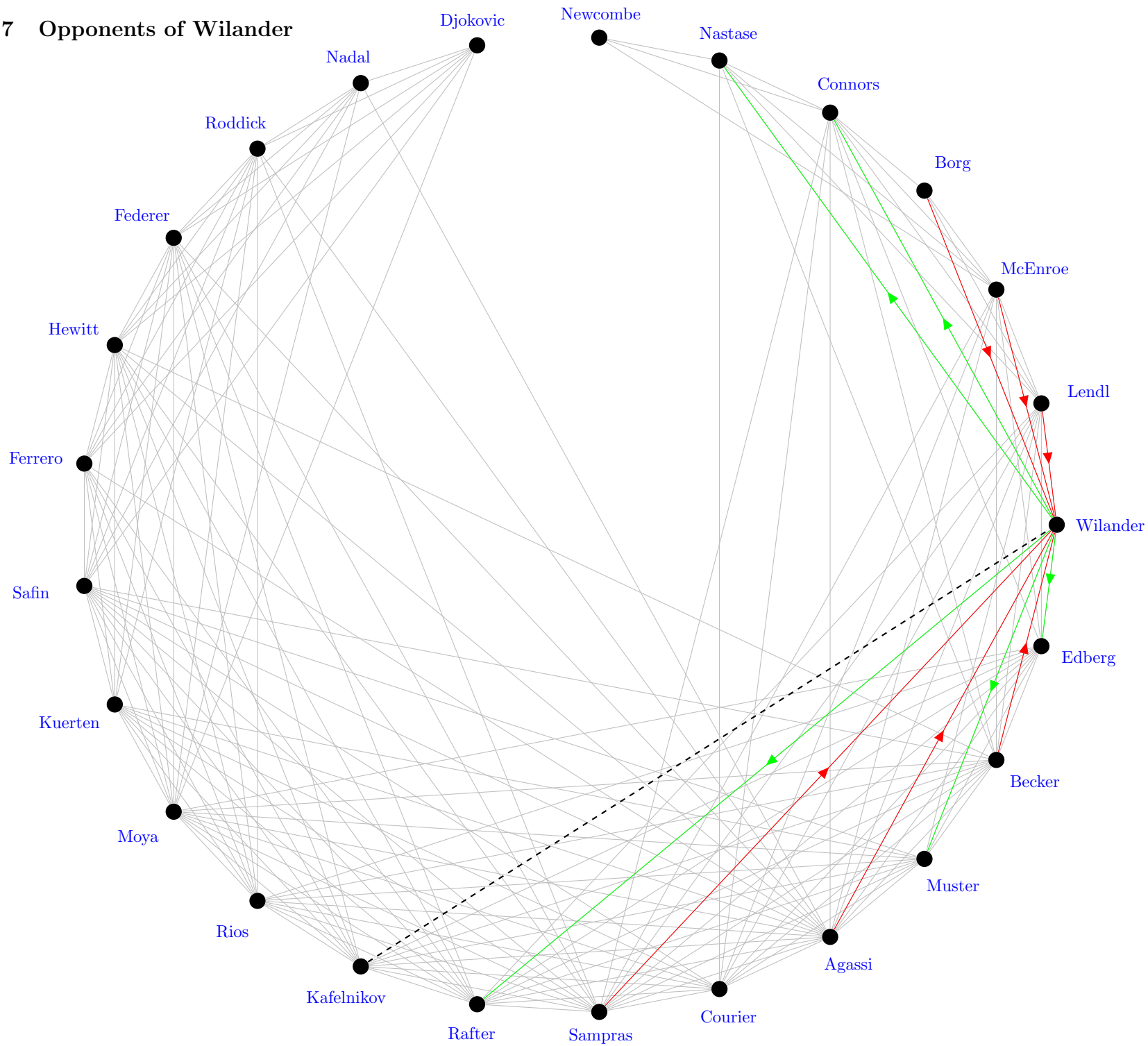
McEnroe		
against	Win	Loss
Agassi	2	2
Becker	2	8
Borg	7	7
Connors	20	14
Courier	1	2
Edberg	7	6
Lendl	15	21
Nastase	6	3
Newcombe	1	1
Sampras	0	3
Wilander	7	6
Sum	68	73

1.6 Opponents of Lendl



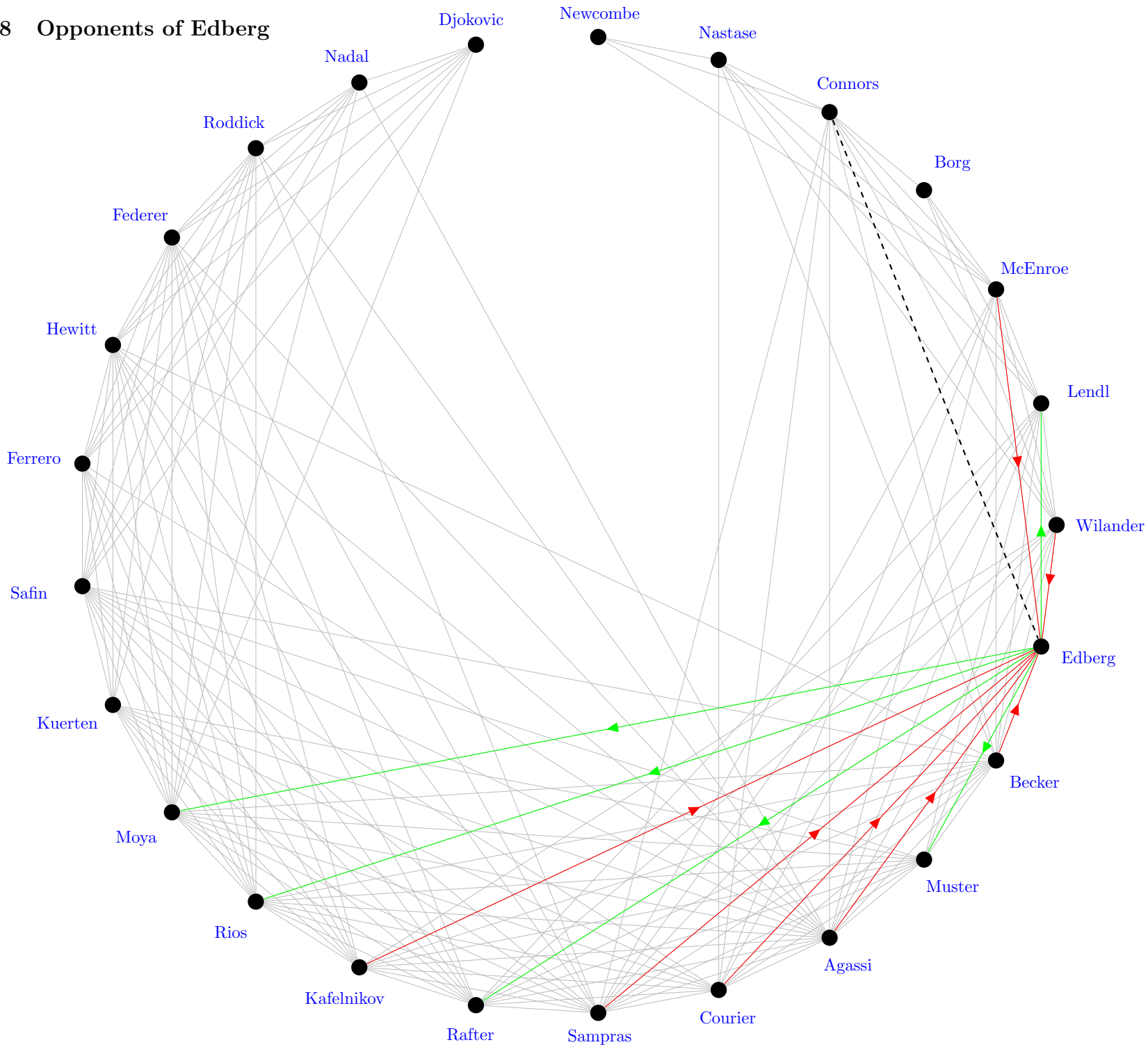
Lendl		
against	Win	Loss
Agassi	6	2
Becker	11	10
Borg	2	6
Connors	21	13
Courier	4	0
Edberg	13	14
McEnroe	21	15
Muster	4	1
Nastase	1	0
Rafter	0	1
Sampras	3	5
Wilander	15	7
Sum	101	74

1.7 Opponents of Wilander



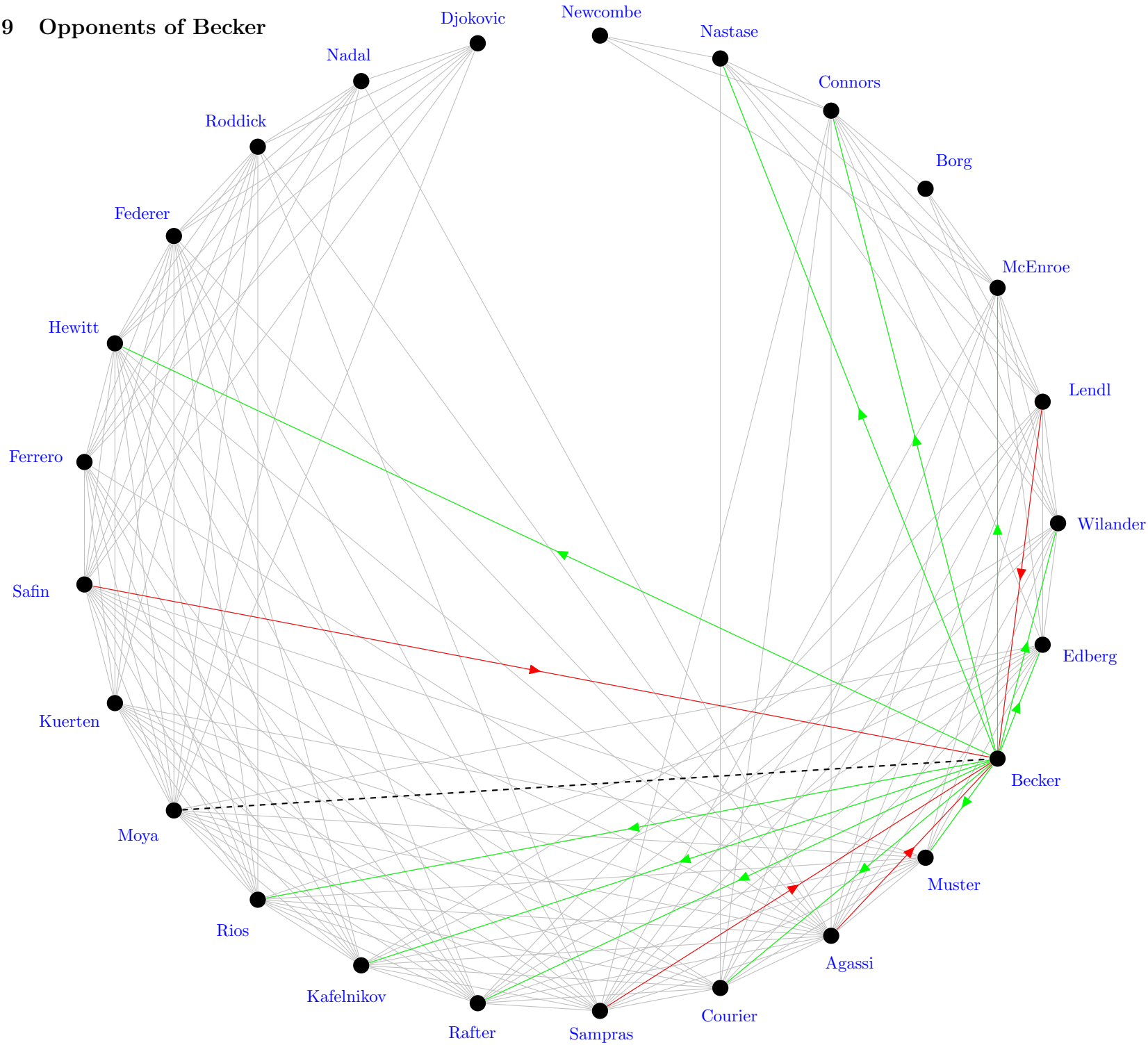
Wilander		
against	Win	Loss
Agassi	2	5
Becker	3	7
Borg	0	1
Connors	5	0
Edberg	11	9
Kafelnikov	1	1
Lendl	7	15
McEnroe	6	7
Muster	2	0
Nastase	1	0
Rafter	2	1
Sampras	1	2
Sum	41	48

1.8 Opponents of Edberg



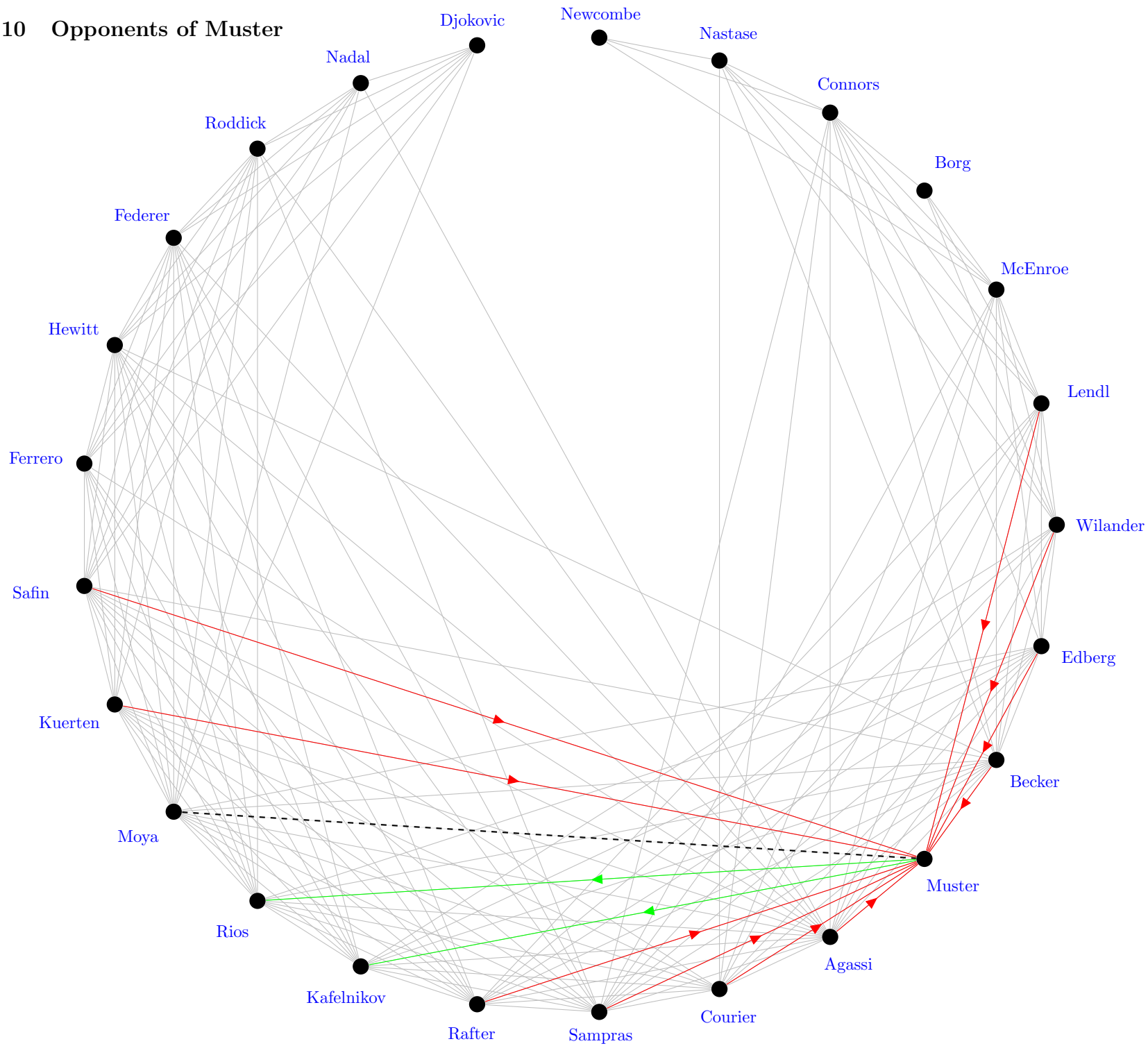
Edberg		
against	Win	Loss
Agassi	3	6
Becker	10	25
Connors	6	6
Courier	4	6
Kafelnikov	1	2
Lendl	14	13
McEnroe	6	7
Moya	1	0
Muster	10	0
Rafter	3	0
Rios	1	0
Sampras	6	8
Wilander	9	11
Sum	74	84

1.9 Opponents of Becker



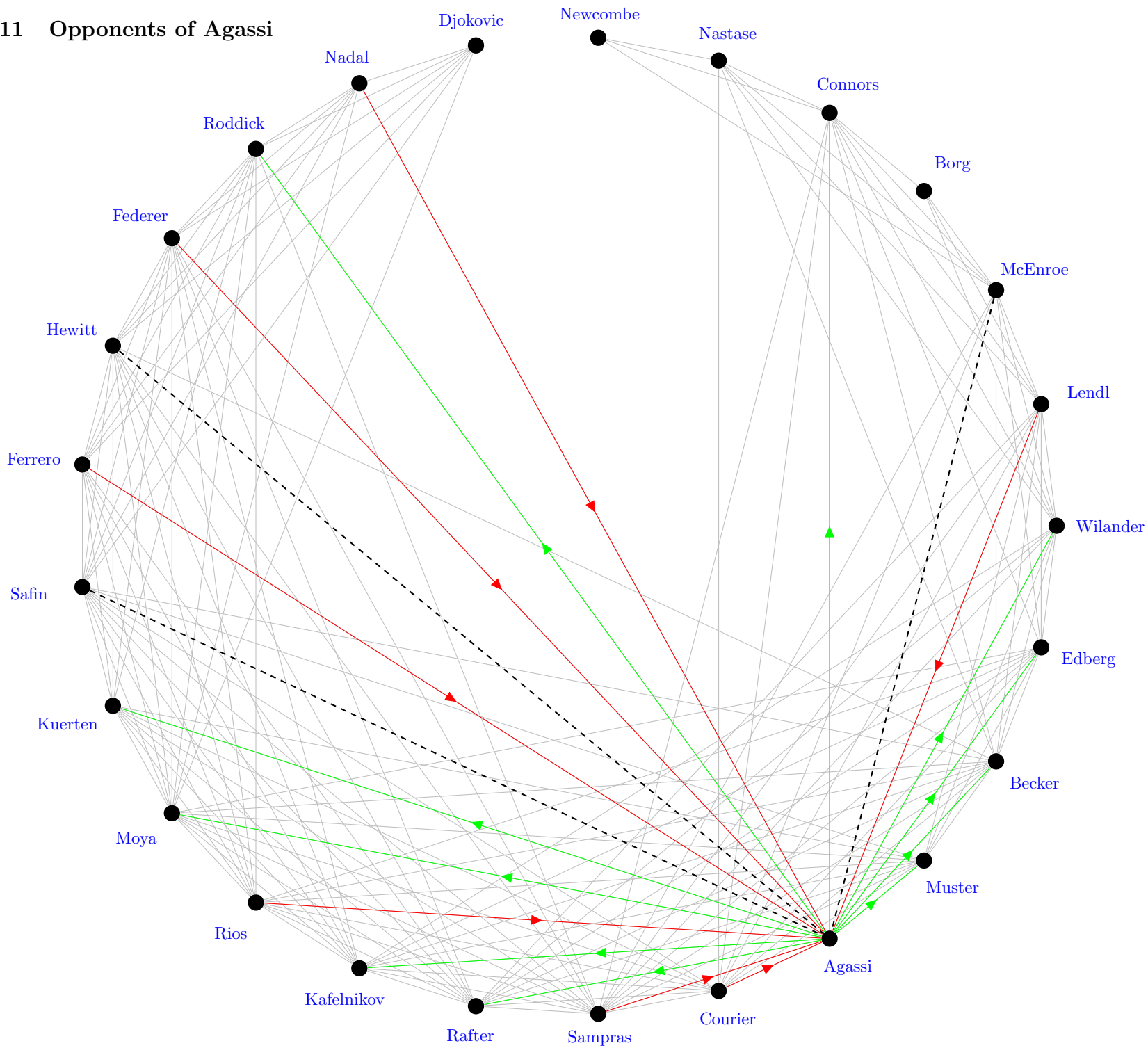
Becker		
against	Win	Loss
Agassi	4	10
Connors	6	0
Courier	6	1
Edberg	25	10
Hewitt	1	0
Kafelnikov	4	2
Lendl	10	11
McEnroe	8	2
Moya	2	2
Muster	2	1
Nastase	1	0
Rafter	2	1
Rios	3	2
Safin	0	1
Sampras	7	12
Wilander	7	3
Sum	88	58

1.10 Opponents of Muster



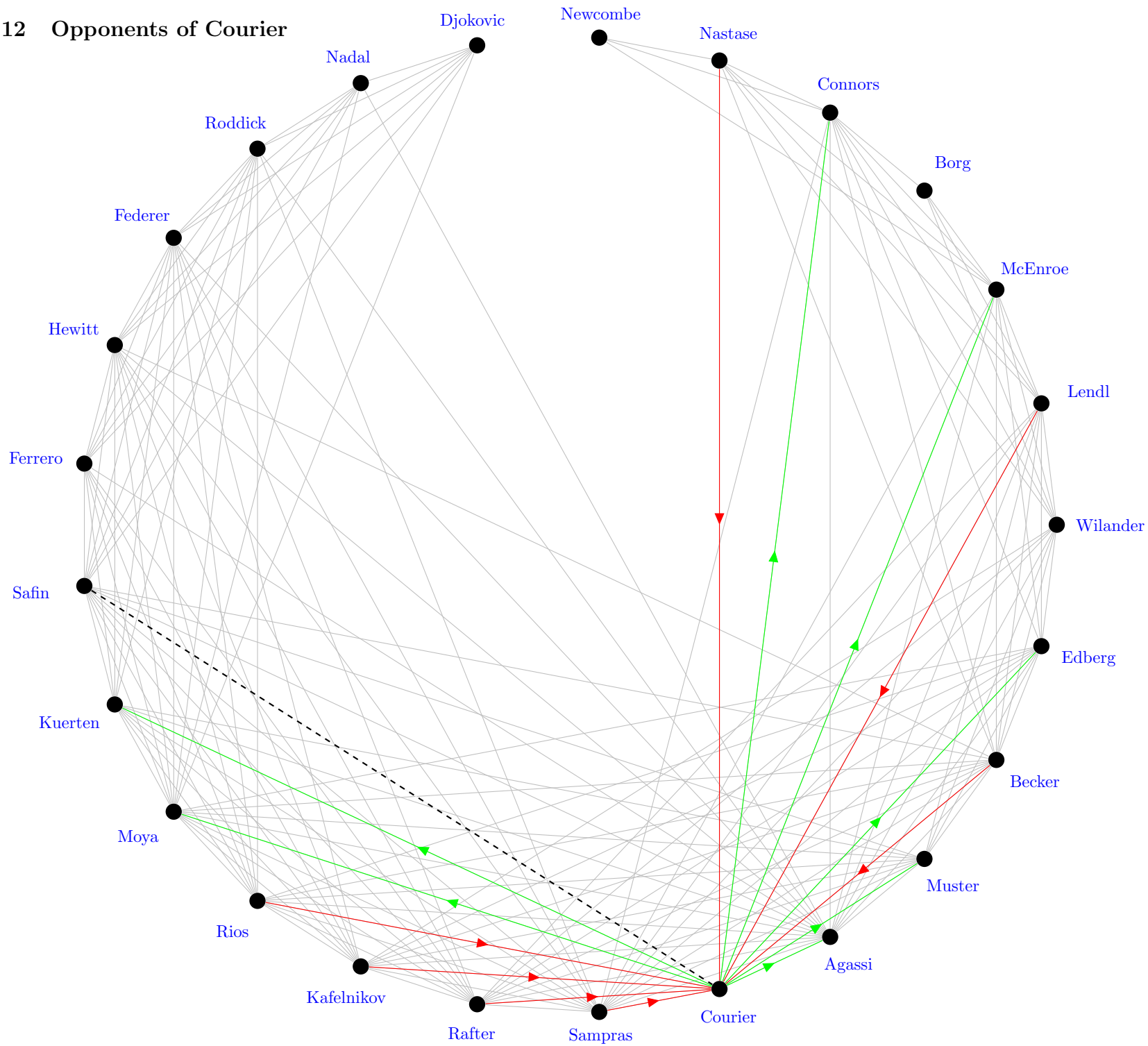
Muster		
against	Win	Loss
Agassi	4	5
Becker	1	2
Courier	5	7
Edberg	0	10
Kafelnikov	4	1
Kuerten	0	3
Lendl	1	4
Moya	4	4
Rafter	0	3
Rios	3	1
Safin	0	1
Sampras	2	9
Wilander	0	2
Sum	24	52

1.11 Opponents of Agassi



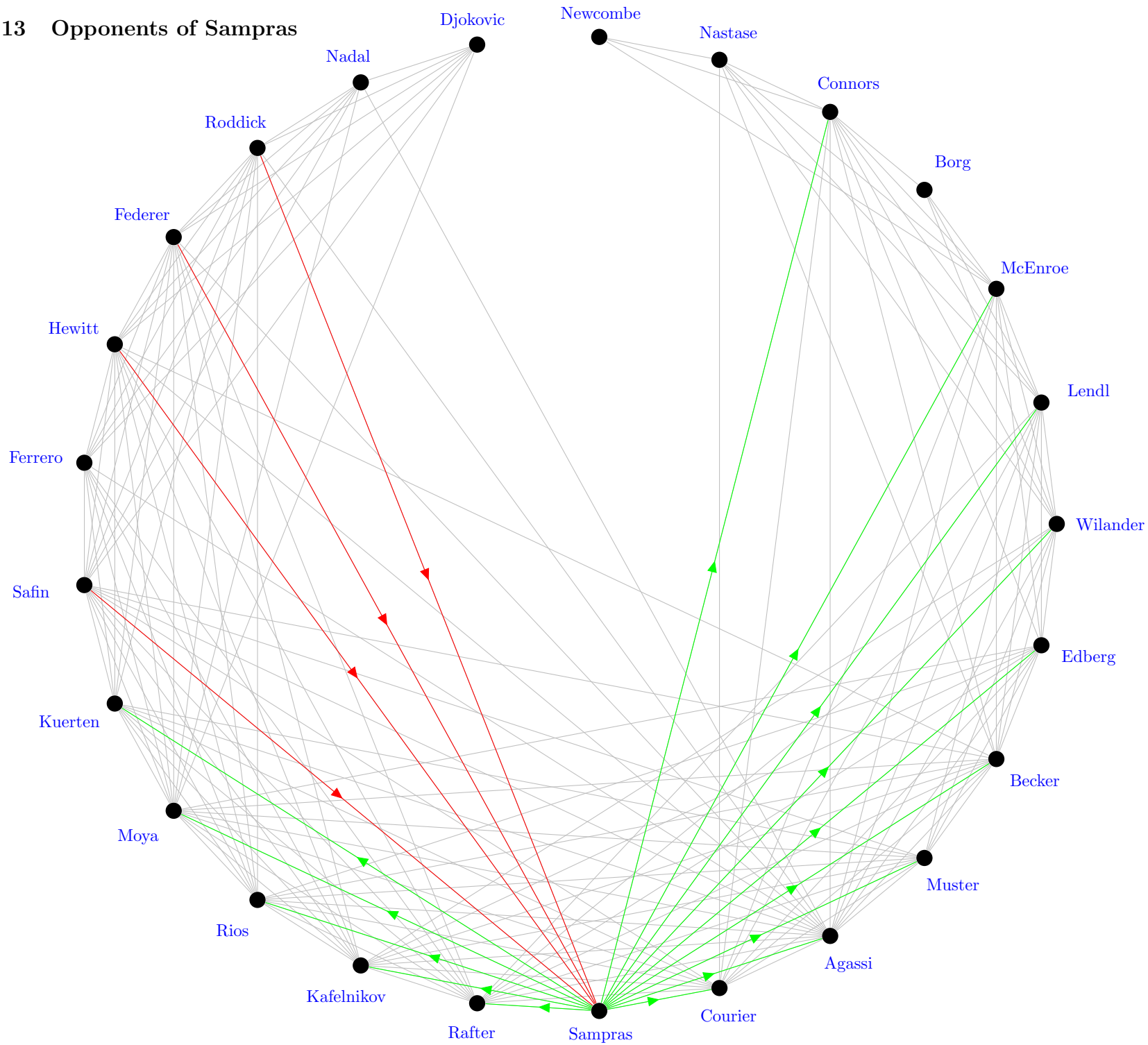
Agassi		
against	Win	Loss
Becker	10	4
Connors	2	0
Courier	5	7
Edberg	6	3
Federer	3	8
Ferrero	2	3
Hewitt	4	4
Kafelnikov	8	4
Kuerten	7	4
Lendl	2	6
McEnroe	2	2
Moya	3	1
Muster	5	4
Nadal	0	2
Rafter	10	5
Rios	1	2
Roddick	5	1
Safin	3	3
Sampras	14	20
Wilander	5	2
Sum	97	85

1.12 Opponents of Courier



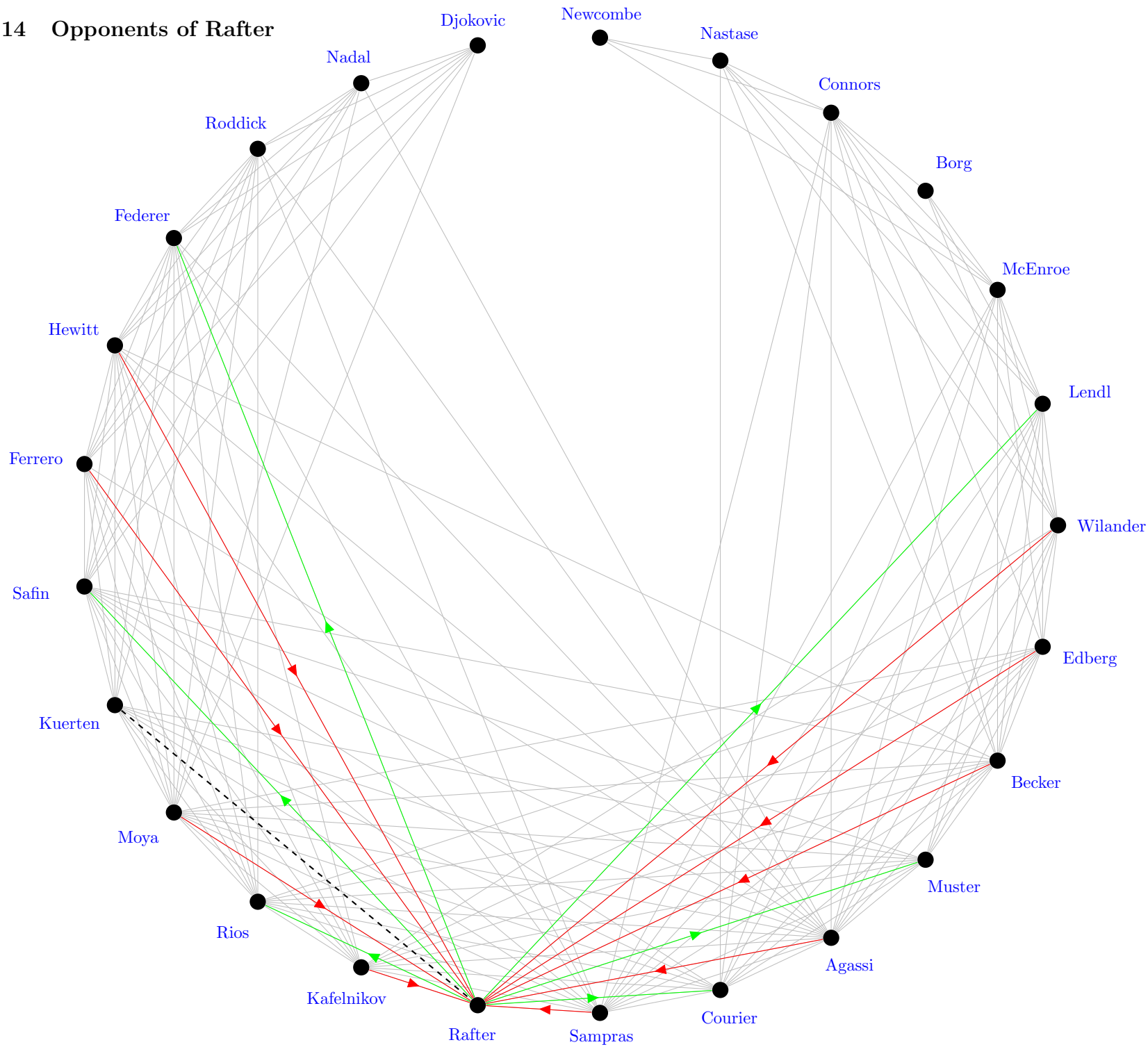
Courier		
against	Win	Loss
Agassi	7	5
Becker	1	6
Connors	3	0
Edberg	6	4
Kafelnikov	1	5
Kuerten	1	0
Lendl	0	4
McEnroe	2	1
Moya	2	1
Muster	7	5
Nastase	0	1
Rafter	0	3
Rios	0	3
Safin	1	1
Sampras	4	16
Sum	35	55

1.13 Opponents of Sampras



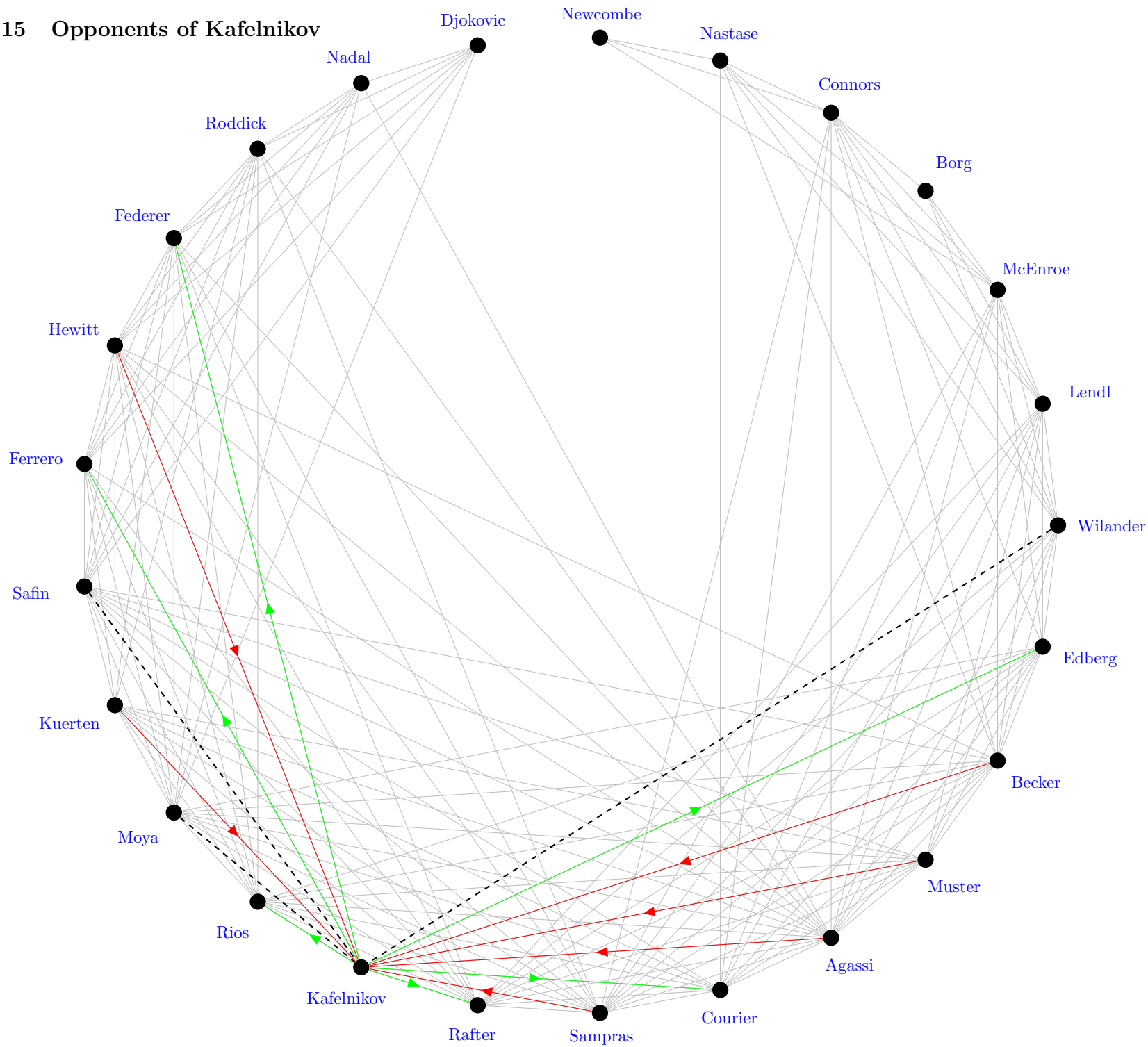
Sampras		
against	Win	Loss
Agassi	20	14
Becker	12	7
Connors	2	0
Courier	16	4
Edberg	8	6
Federer	0	1
Hewitt	4	5
Kafelnikov	11	2
Kuerten	2	1
Lendl	5	3
McEnroe	3	0
Moya	3	1
Muster	9	2
Rafter	12	4
Rios	2	0
Roddick	1	2
Safin	3	4
Sampras	2	1
Sum	115	57

1.14 Opponents of Rafter



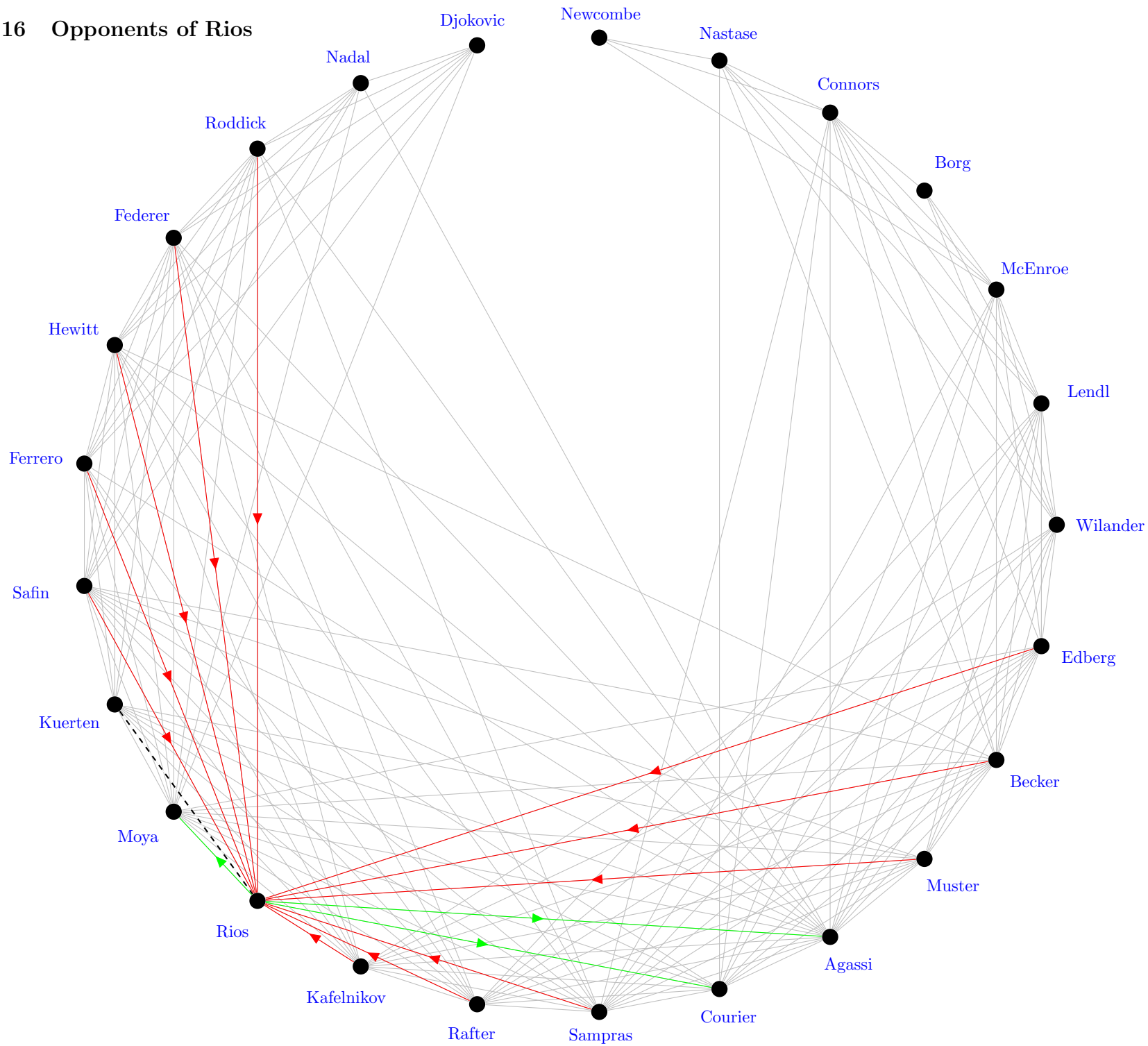
Rafter		
against	Win	Loss
Agassi	5	10
Becker	1	2
Courier	3	0
Edberg	0	3
Federer	3	0
Ferrero	1	2
Hewitt	1	3
Kafelnikov	2	3
Kuerten	4	4
Lendl	1	0
Moya	1	3
Muster	3	0
Rios	2	1
Safin	1	0
Sampras	4	12
Wilander	1	2
Sum	33	45

1.15 Opponents of Kafelnikov



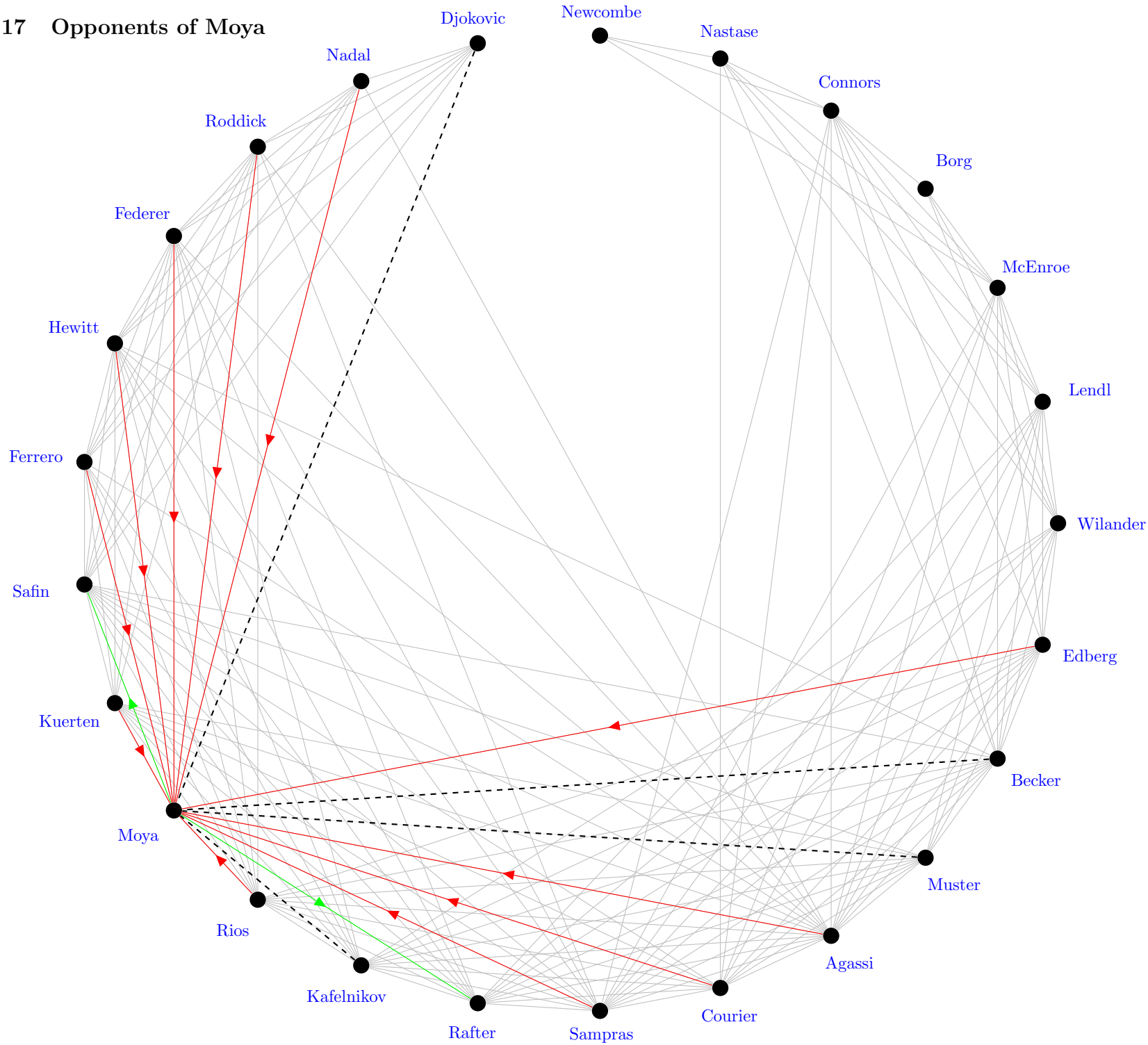
Kafelnikov		
against	Win	Loss
Agassi	4	8
Becker	2	4
Courier	5	1
Edberg	2	1
Federer	4	2
Ferrero	2	1
Hewitt	1	7
Kuerten	5	7
Moya	3	3
Muster	1	4
Rafter	3	2
Rios	6	2
Safin	2	2
Sampras	2	11
Wilander	1	1
Sum	43	56

1.16 Opponents of Rios



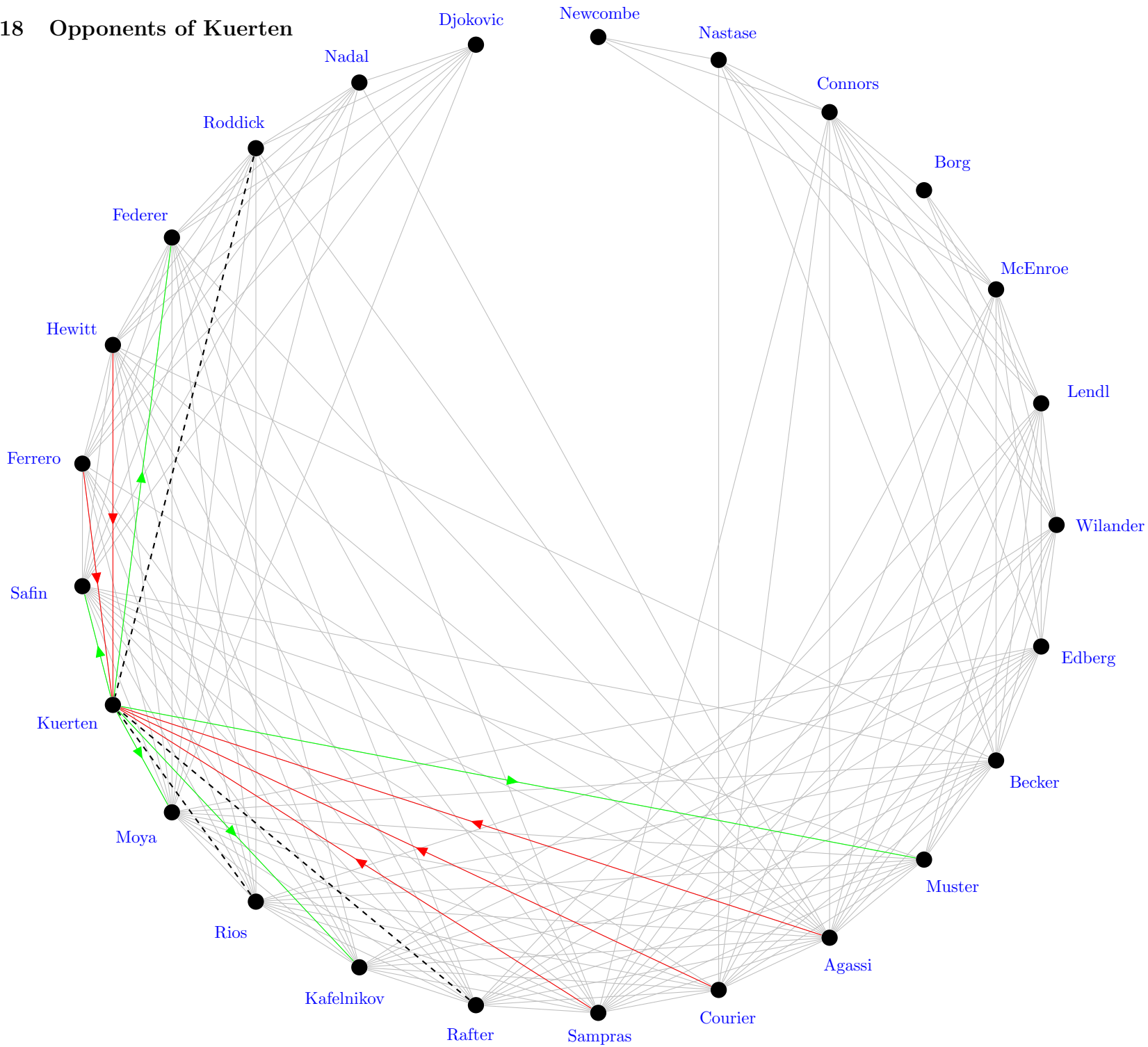
Rios		
against	Win	Loss
Agassi	2	1
Becker	2	3
Courier	3	0
Edberg	0	1
Federer	0	2
Ferrero	1	3
Hewitt	2	3
Kafelnikov	2	6
Kuerten	2	2
Moya	5	2
Muster	1	3
Rafter	1	2
Roddick	0	2
Safin	1	3
Sampras	0	2
Sum	22	35

1.17 Opponents of Moya



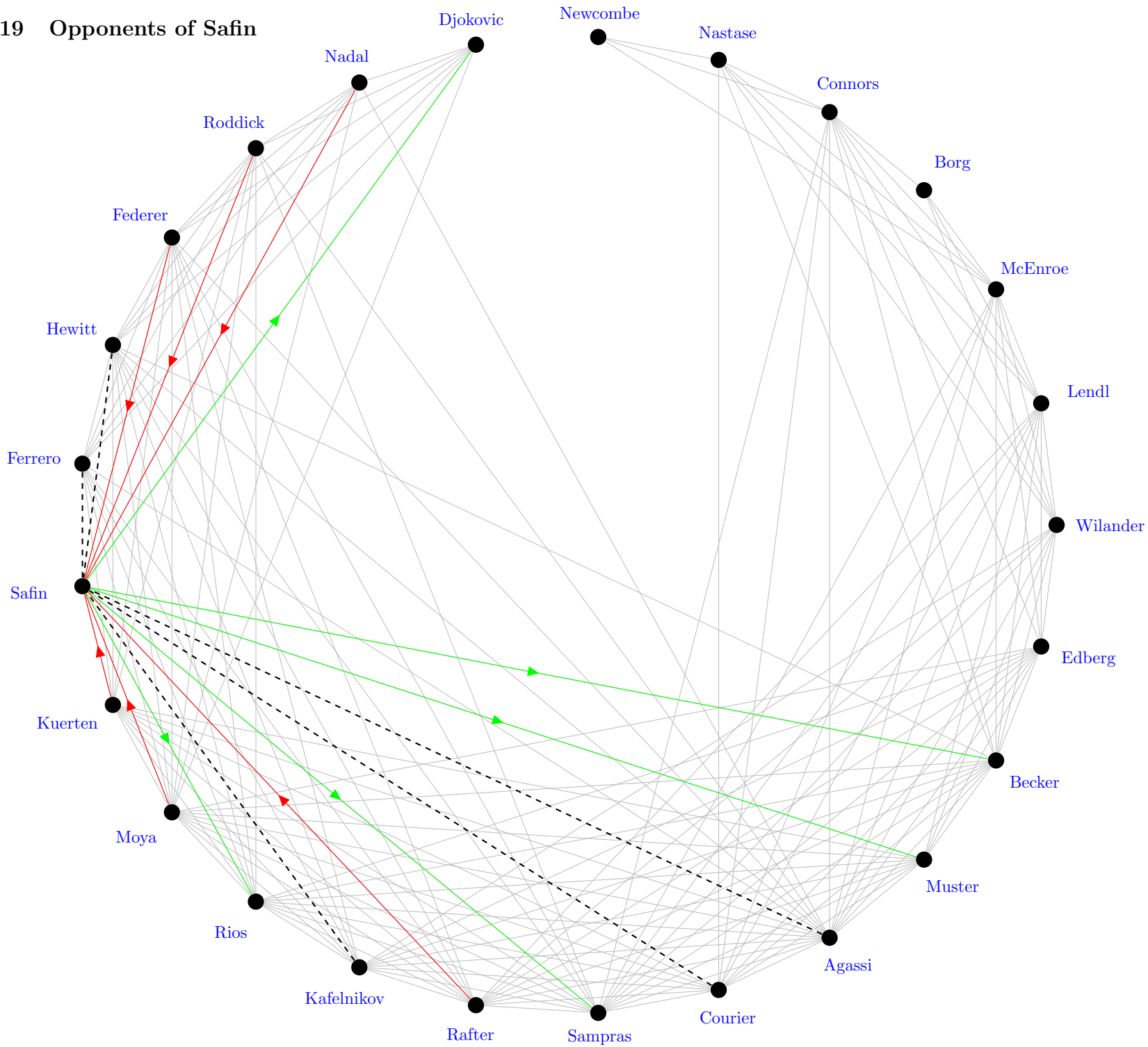
Moya		
against	Win	Loss
Agassi	1	3
Becker	2	2
Courier	1	2
Djokovic	2	2
Edberg	0	1
Federer	0	7
Ferrero	6	8
Hewitt	5	7
Kafelnikov	3	3
Kuerten	3	4
Muster	4	4
Nadal	2	6
Rafter	3	1
Rios	2	5
Roddick	1	4
Safin	4	3
Sampras	1	3
Sum	40	65

1.18 Opponents of Kuerten



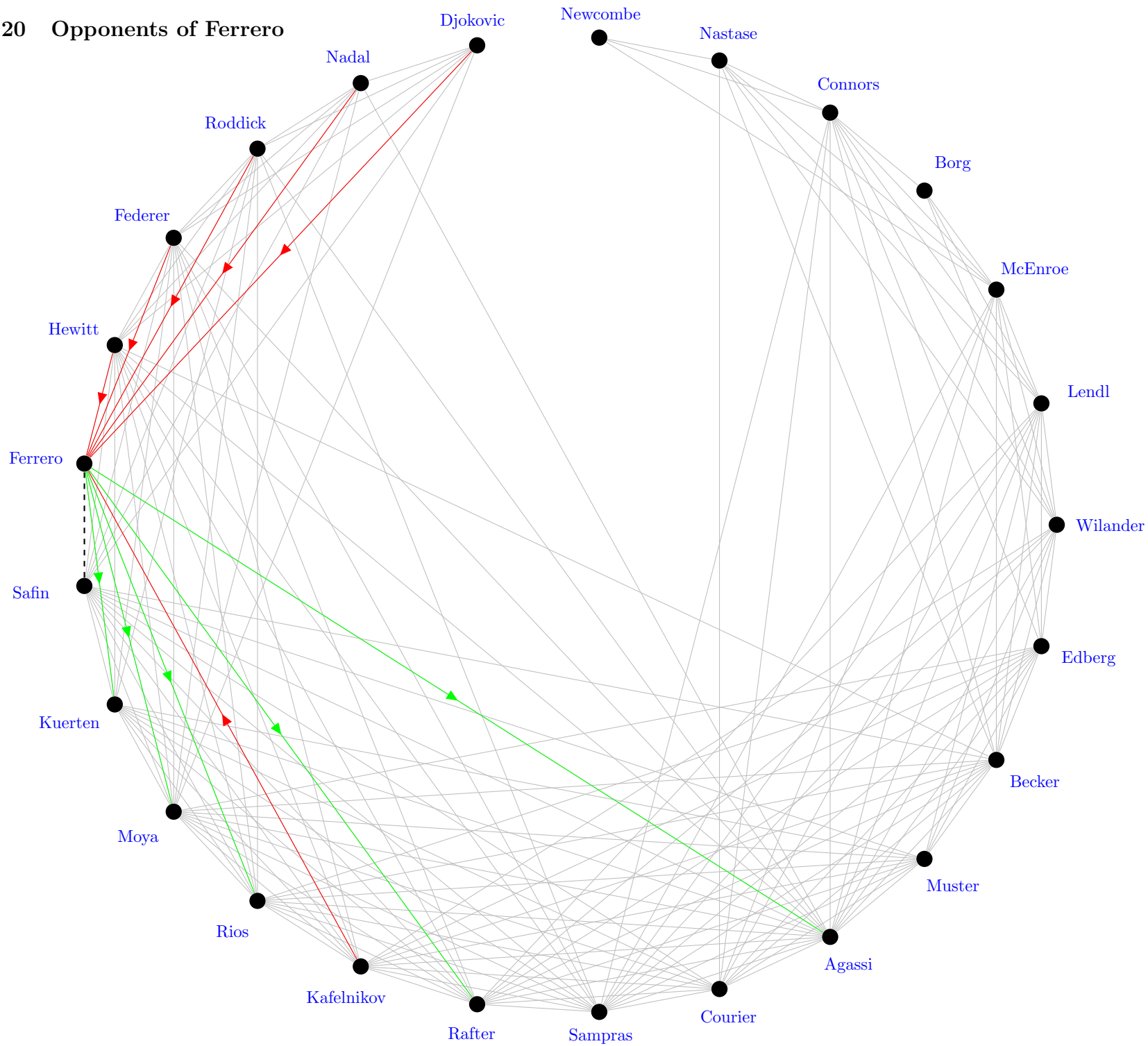
Kuerten		
against	Win	Loss
Agassi	4	7
Courier	0	1
Federer	2	1
Ferrero	2	3
Hewitt	1	3
Kafelnikov	7	5
Moya	4	3
Muster	3	0
Rafter	4	4
Rios	2	2
Roddick	1	1
Safin	4	3
Sampras	1	2
Sum	35	35

1.19 Opponents of Safin



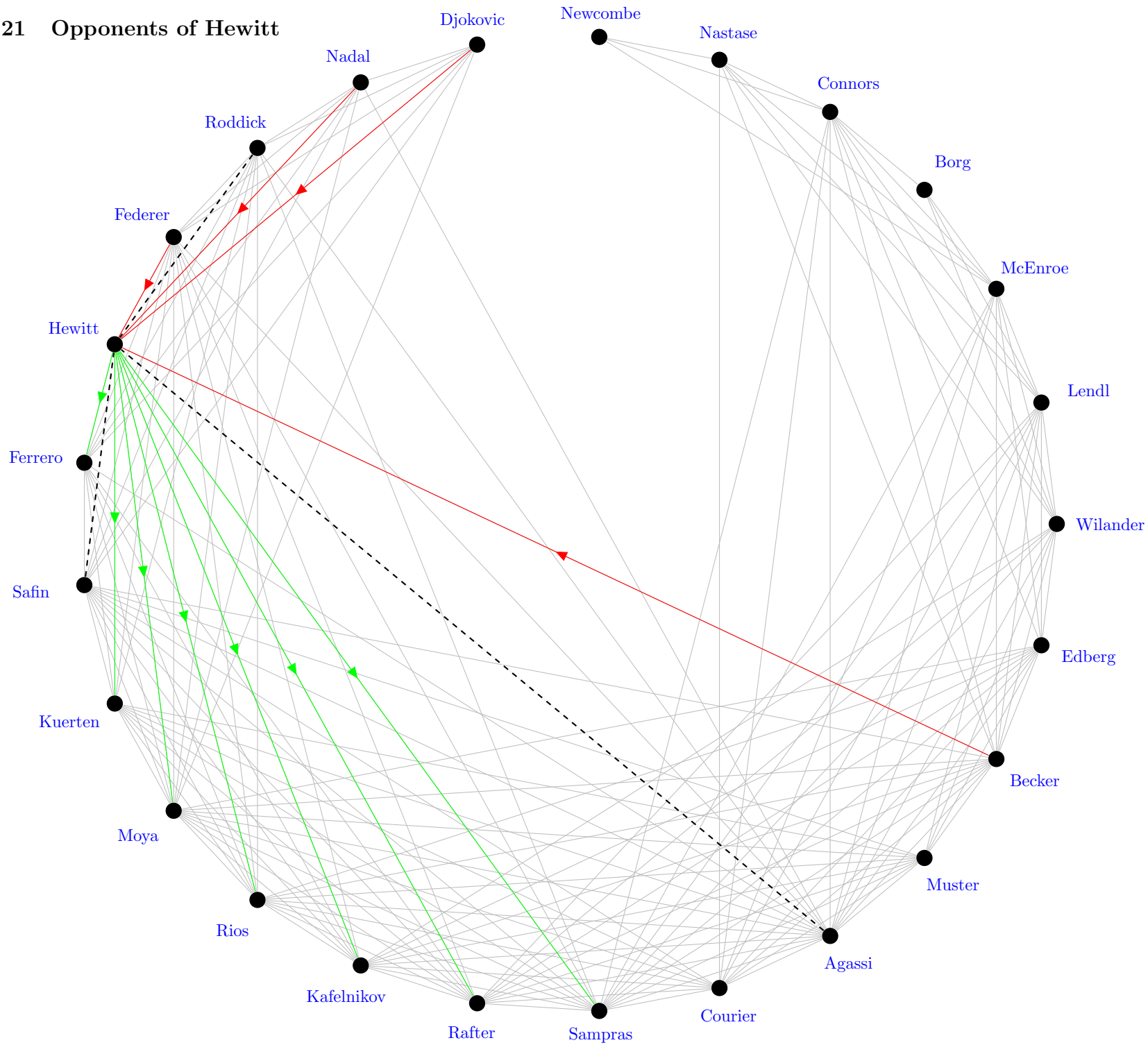
Safin		
against	Win	Loss
Agassi	3	3
Becker	1	0
Courier	1	1
Djokovic	2	0
Federer	2	10
Ferrero	6	6
Hewitt	7	7
Kafelnikov	2	2
Kuerten	3	4
Moya	3	4
Muster	1	0
Nadal	0	2
Rafter	0	1
Rios	3	1
Roddick	3	4
Sampras	4	3
Sum	41	48

1.20 Opponents of Ferrero



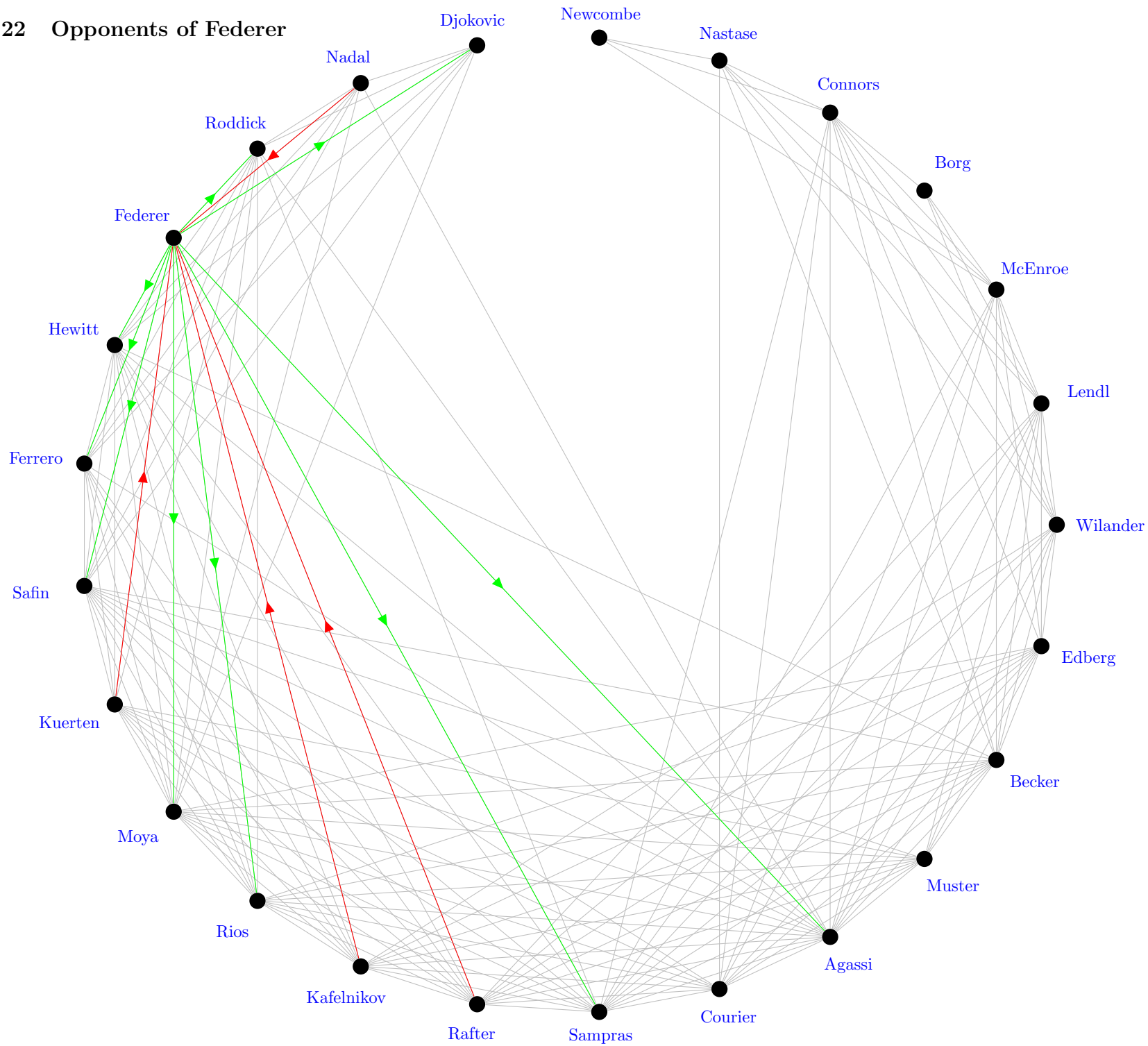
Ferrero		
against	Win	Loss
Agassi	3	2
Djokovic	1	2
Federer	3	10
Hewitt	4	6
Kafelnikov	1	2
Kuerten	3	2
Moya	8	6
Nadal	2	7
Rafter	2	1
Rios	3	1
Roddick	0	5
Safin	6	6
Sum	36	50

1.21 Opponents of Hewitt



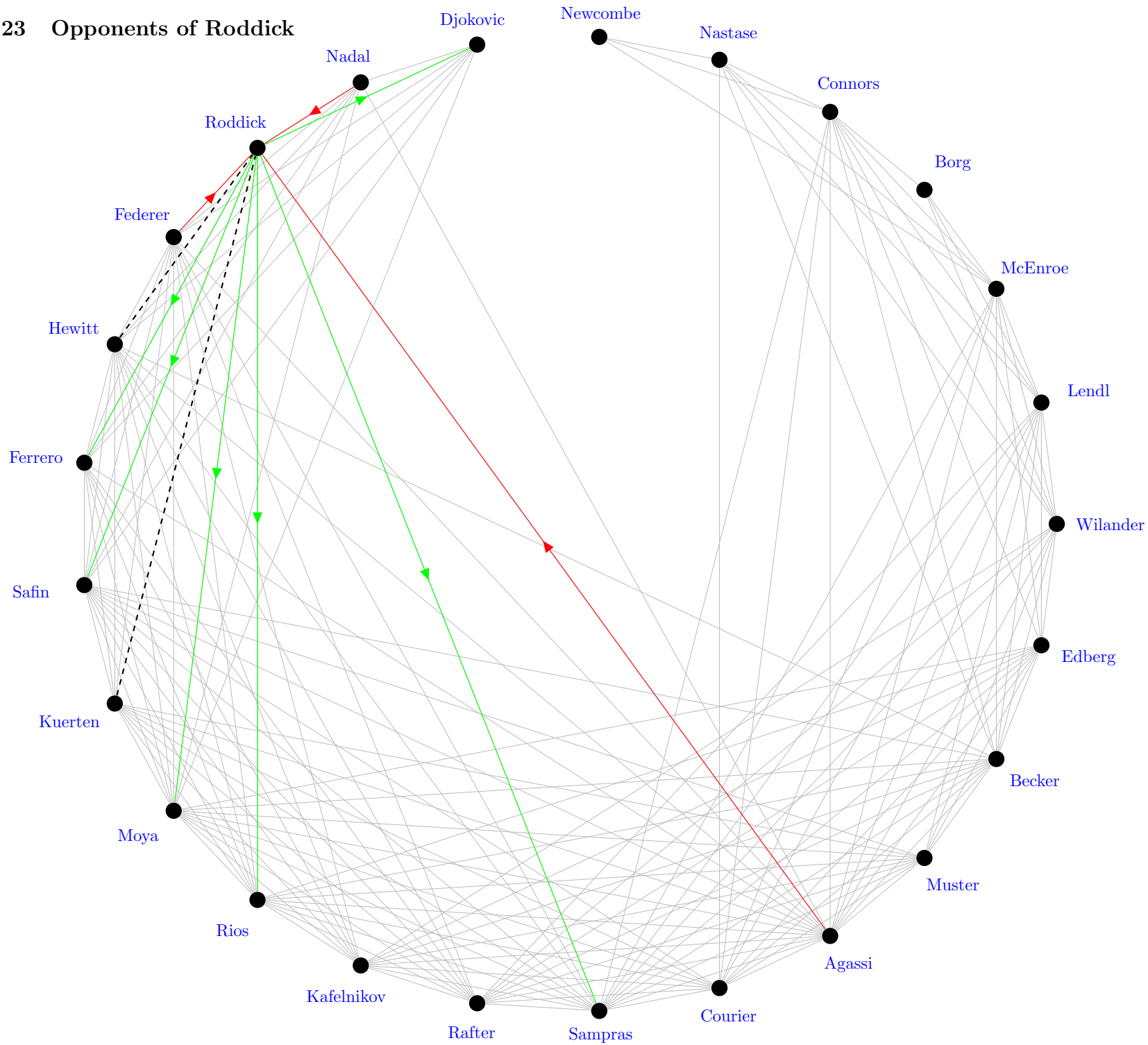
Hewitt		
against	Win	Loss
Agassi	4	4
Becker	0	1
Djokovic	1	6
Federer	8	18
Ferrero	6	4
Kafelnikov	7	1
Kuerten	3	1
Moya	7	5
Nadal	4	6
Rafter	3	1
Rios	3	2
Roddick	7	7
Safin	7	7
Sampras	5	4
Sum	65	67

1.22 Opponents of Federer



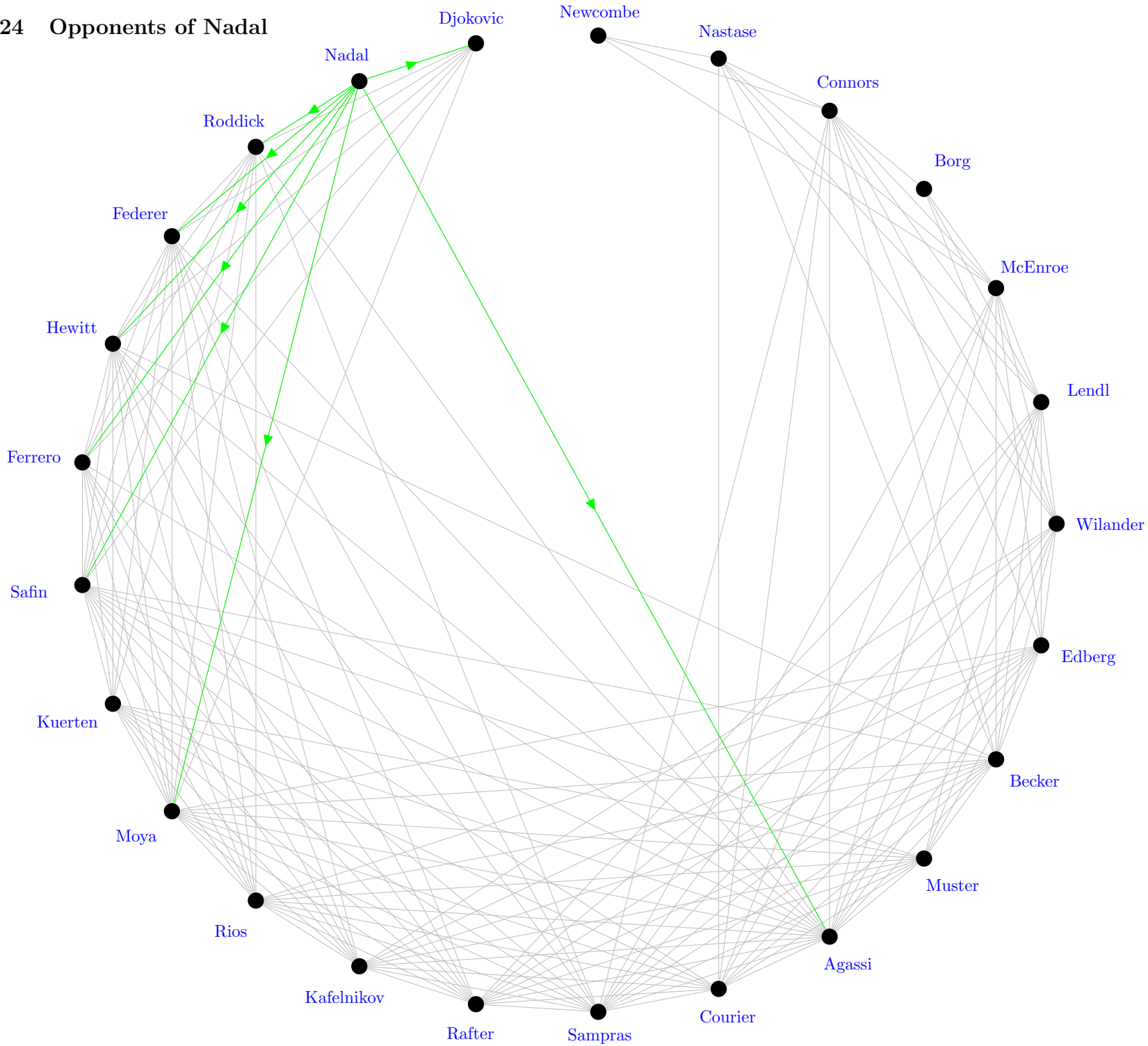
Federer		
against	Win	Loss
Agassi	8	3
Djokovic	16	15
Ferrero	10	3
Hewitt	18	8
Kafelnikov	2	4
Kuerten	1	2
Moya	7	0
Nadal	10	22
Rafter	0	3
Rios	2	0
Roddick	21	3
Safin	10	2
Sampras	1	0
Sum	106	65

1.23 Opponents of Roddick



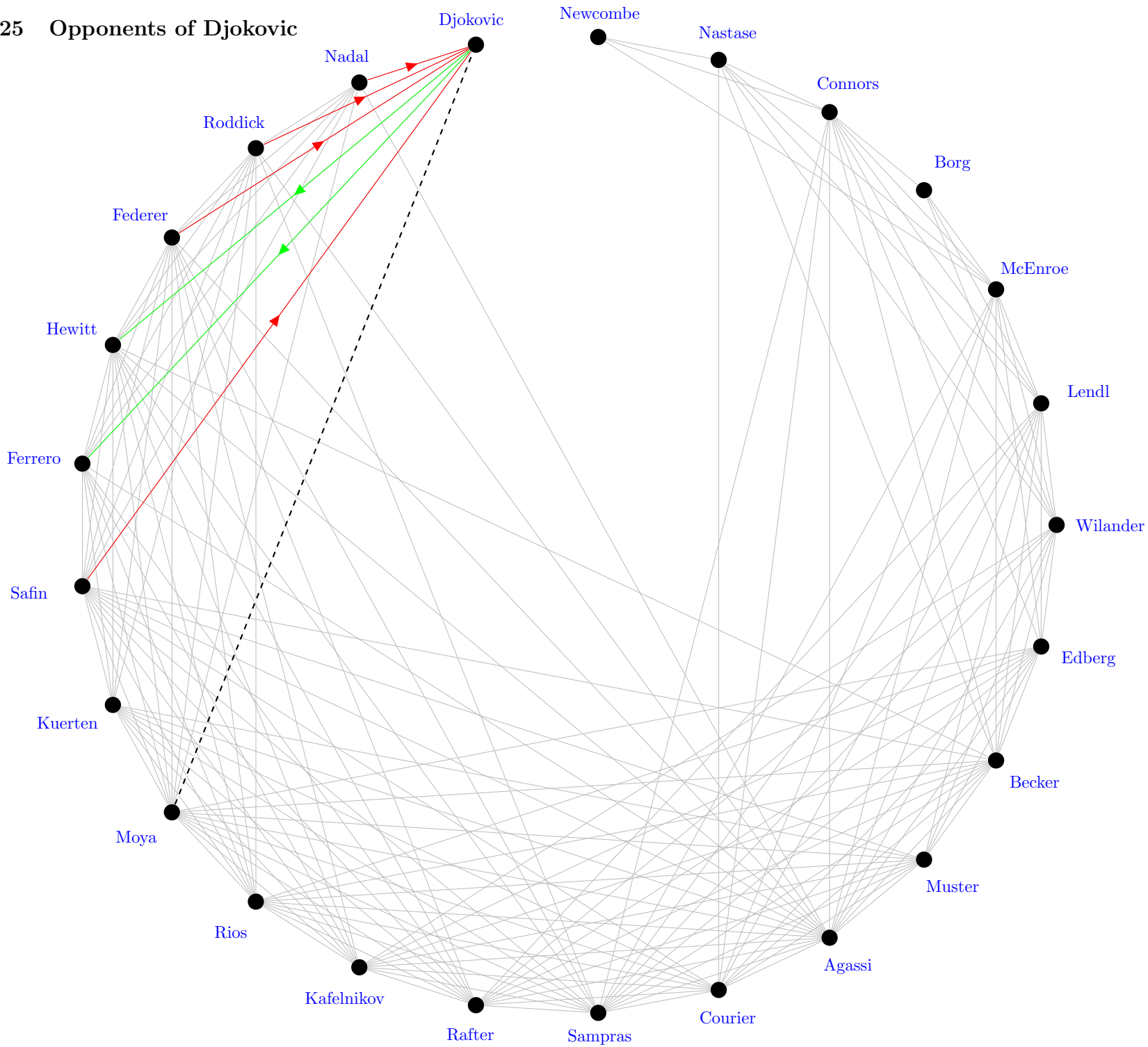
Roddick		
against	Win	Loss
Agassi	1	5
Djokovic	5	4
Federer	3	21
Ferrero	5	0
Hewitt	7	7
Kuerten	1	1
Moya	4	1
Nadal	3	7
Rios	2	0
Safin	4	3
Sampras	2	1
Sum	37	50

1.24 Opponents of Nadal



Nadal		
against	Win	Loss
Agassi	2	0
Djokovic	22	17
Federer	22	10
Ferrero	7	2
Hewitt	6	4
Moya	6	2
Roddick	7	3
Safin	2	0
Sum	74	38

1.25 Opponents of Djokovic



Djokovic		
against	Win	Loss
Federer	15	16
Ferrero	2	1
Hewitt	6	1
Moya	2	2
Nadal	17	22
Roddick	4	5
Safin	0	2
Sum	46	49

2 Intransitive triads

