

teams1.txt:

no output

teams4.txt:

Philadelphia is eliminated.

They can win at most $80 + 3 = 83$ games.

Atlanta and New_York have won a total of 161 games

They play each other 6 times

So on average, each of the teams wins $167/2 = 83.5$ games.

Montreal is eliminated.

They can win at most $77 + 3 = 80$ games.

Atlanta has won a total of 83 games

They play each other 0 times

So on average, each of the teams wins $83/1 = 83.0$ games.

teams4a.txt:

Ghaddafi is eliminated.

They can win at most $2 + 2 = 4$ games.

CIA and Obama have won a total of 7 games

They play each other 2 times

So on average, each of the teams wins $9/2 = 4.5$ games.

Bin_Ladin is eliminated.

They can win at most $3 + 0 = 3$ games.

Obama has won a total of 4 games

They play each other 0 times

So on average, each of the teams wins $4/1 = 4.0$ games.

teams4b.txt:

Hufflepuff is eliminated.

They can win at most $7 + 2 = 9$ games.

Gryffindor has won a total of 11 games

They play each other 0 times

So on average, each of the teams wins $11/1 = 11.0$ games.

Ravenclaw is eliminated.

They can win at most $8 + 1 = 9$ games.

Gryffindor has won a total of 11 games

They play each other 0 times

So on average, each of the teams wins $11/1 = 11.0$ games.

Slytherin is eliminated.

They can win at most $7 + 2 = 9$ games.

Gryffindor has won a total of 11 games

They play each other 0 times

So on average, each of the teams wins $11/1 = 11.0$ games.

teams5.txt:

Detroit is eliminated.

They can win at most $49 + 27 = 76$ games.

New_York, Baltimore, Boston and Toronto have won a total of 278 games

They play each other 27 times

So on average, each of the teams wins $305/4 = 76.25$ games.

teams5a.txt:

Detroit is eliminated.

They can win at most $49 + 28 = 77$ games.

New_York, Baltimore, Boston and Toronto have won a total of 278 games

They play each other 41 times

So on average, each of the teams wins $319/4 = 79.75$ games.

teams5b.txt:

Detroit is eliminated.

They can win at most $49 + 7 = 56$ games.

New_York has won a total of 75 games

They play each other 0 times

So on average, each of the teams wins $75/1 = 75.0$ games.

teams5c.txt:

Philadelphia is eliminated.

They can win at most $77 + 8 = 85$ games.

Atlanta and Florida have won a total of 154 games

They play each other 19 times

So on average, each of the teams wins $173/2 = 86.5$ games.

Washington is eliminated.

They can win at most $0 + 0 = 0$ games.

New_York has won a total of 83 games

They play each other 0 times

So on average, each of the teams wins $83/1 = 83.0$ games.

teams7.txt:

Ireland is eliminated.

They can win at most $11 + 5 = 16$ games.

U.S.A., France and Germany have won a total of 43 games

They play each other 6 times

So on average, each of the teams wins $49/3 = 16.333333333333332$ games.

China is eliminated.

They can win at most $13 + 2 = 15$ games.

France has won a total of 16 games

They play each other 0 times

So on average, each of the teams wins $16/1 = 16.0$ games

teams8.txt:

Harvard is eliminated.

They can win at most $43 + 1 = 44$ games.

Brown, Columbia, Cornell, Dartmouth, Penn and Princeton have won a total of 220 games

They play each other 45 times

So on average, each of the teams wins $265/6 = 44.166666666666664$ games.

Yale is eliminated.

They can win at most $43 + 1 = 44$ games.

Brown, Columbia, Cornell, Dartmouth, Penn and Princeton have won a total of 220 games

They play each other 45 times

So on average, each of the teams wins $265/6 = 44.166666666666664$ games.

teams10.txt:

Houston is eliminated.

They can win at most $31 + 0 = 31$ games.

Indiana has won a total of 32 games

They play each other 0 times

So on average, each of the teams wins $32/1 = 32.0$ games.

teams12.txt:

Japan is eliminated.

They can win at most $2 + 4 = 6$ games.

Poland, Russia, Brazil and Iran have won a total of 21 games

They play each other 4 times

So on average, each of the teams wins $25/4 = 6.25$ games.

Serbia is eliminated.

They can win at most $1 + 5 = 6$ games.

Poland, Russia, Brazil and Iran have won a total of 21 games

They play each other 4 times

So on average, each of the teams wins $25/4 = 6.25$ games.

Egypt is eliminated.

They can win at most $1 + 4 = 5$ games.

Poland has won a total of 6 games

They play each other 0 times

So on average, each of the teams wins $6/1 = 6.0$ games.

China is eliminated.

They can win at most $0 + 4 = 4$ games.

Poland has won a total of 6 games

They play each other 0 times

So on average, each of the teams wins $6/1 = 6.0$ games.

teams24.txt:

Team4 is eliminated.

They can win at most $66 + 14 = 80$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

Team5 is eliminated.

They can win at most $71 + 11 = 82$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

Team7 is eliminated.

They can win at most $68 + 13 = 81$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

Team9 is eliminated.

They can win at most $65 + 16 = 81$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

Team11 is eliminated.

They can win at most $74 + 8 = 82$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

Team12 is eliminated.

They can win at most $70 + 11 = 81$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

Team13 is eliminated.

They can win at most $69 + 15 = 84$ games.

Team14, Team15, Team17, Team20 and Team22 have won a total of 412 games

They play each other 15 times

So on average, each of the teams wins $427/5 = 85.4$ games.

Team16 is eliminated.

They can win at most $55 + 20 = 75$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

Team19 is eliminated.

They can win at most $68 + 10 = 78$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

Team23 is eliminated.

They can win at most $62 + 21 = 83$ games.

Team22 has won a total of 84 games

They play each other 0 times

So on average, each of the teams wins $84/1 = 84.0$ games.

teams29.txt:

Detroit is eliminated.

They can win at most $103 + 25 = 128$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas, Denver and Philadelphia have won a total of 843 games

They play each other 113 times

So on average, each of the teams wins $956/7 = 136.57142857142858$ games.

Golden_State is eliminated.

They can win at most $98 + 33 = 131$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas and Denver have won a total of 721 games

They play each other 105 times

So on average, each of the teams wins $826/6 = 137.66666666666666$ games.

Houston is eliminated.

They can win at most $114 + 15 = 129$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas, Denver and Philadelphia have won a total of 843 games

They play each other 113 times

So on average, each of the teams wins $956/7 = 136.57142857142858$ games.

Indiana is eliminated.

They can win at most $93 + 23 = 116$ games.

Chicago has won a total of 125 games

They play each other 0 times

So on average, each of the teams wins $125/1 = 125.0$ games.

LA_Clippers is eliminated.

They can win at most $92 + 26 = 118$ games.

Chicago has won a total of 125 games

They play each other 0 times

So on average, each of the teams wins $125/1 = 125.0$ games.

LA_Lakers is eliminated.

They can win at most $106 + 30 = 136$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas and Denver have won a total of 721 games

They play each other 105 times

So on average, each of the teams wins $826/6 = 137.66666666666666$ games.

Memphis is eliminated.

They can win at most $95 + 35 = 130$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas and Denver have won a total of 721 games

They play each other 105 times

So on average, each of the teams wins $826/6 = 137.66666666666666$ games.

New_Jersey is eliminated.

They can win at most $117 + 20 = 137$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas and Denver have won a total of 721 games

They play each other 105 times

So on average, each of the teams wins $826/6 = 137.66666666666666$ games.

New_Orleans is eliminated.

They can win at most $119 + 15 = 134$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas and Denver have won a total of 721 games

They play each other 105 times

So on average, each of the teams wins $826/6 = 137.66666666666666$ games.

New_York is eliminated.

They can win at most $113 + 23 = 136$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas and Denver have won a total of 721 games

They play each other 105 times

So on average, each of the teams wins $826/6 = 137.66666666666666$ games.

Orlando is eliminated.

They can win at most $100 + 19 = 119$ games.

Chicago has won a total of 125 games

They play each other 0 times

So on average, each of the teams wins $125/1 = 125.0$ games.

Phoenix is eliminated.

They can win at most $103 + 26 = 129$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas, Denver and Philadelphia have won a total of 843 games

They play each other 113 times

So on average, each of the teams wins $956/7 = 136.57142857142858$ games.

Portland is eliminated.

They can win at most $104 + 21 = 125$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas, Denver, Philadelphia and Sacramento have won a total of 967 games

They play each other 117 times

So on average, each of the teams wins $1084/8 = 135.5$ games.

San Antonio is eliminated.

They can win at most $102 + 26 = 128$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas, Denver and Philadelphia have won a total of 843 games

They play each other 113 times

So on average, each of the teams wins $956/7 = 136.57142857142858$ games.

Toronto is eliminated.

They can win at most $113 + 16 = 129$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas, Denver and Philadelphia have won a total of 843 games

They play each other 113 times

So on average, each of the teams wins $956/7 = 136.57142857142858$ games.

Utah is eliminated.

They can win at most $107 + 29 = 136$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas and Denver have won a total of 721 games

They play each other 105 times

So on average, each of the teams wins $826/6 = 137.66666666666666$ games.

Washington is eliminated.

They can win at most $113 + 24 = 137$ games.

Atlanta, Boston, Chicago, Cleveland, Dallas and Denver have won a total of 721 games

They play each other 105 times

So on average, each of the teams wins $826/6 = 137.66666666666666$ games.

teams30.txt:

Team0 is eliminated.

They can win at most $70 + 12 = 82$ games.

Team16 has won a total of 83 games

They play each other 0 times

So on average, each of the teams wins $83/1 = 83.0$ games.

Team7 is eliminated.

They can win at most $62 + 18 = 80$ games.

Team16 has won a total of 83 games

They play each other 0 times

So on average, each of the teams wins $83/1 = 83.0$ games.

Team12 is eliminated.

They can win at most $60 + 20 = 80$ games.

Team16 has won a total of 83 games

They play each other 0 times

So on average, each of the teams wins $83/1 = 83.0$ games.

Team18 is eliminated.

They can win at most $68 + 15 = 83$ games.

Team10, Team16, Team19 and Team21 have won a total of 327 games

They play each other 6 times

So on average, each of the teams wins $327/4 = 81.75$ games.

Team27 is eliminated.

They can win at most $68 + 15 = 83$ games.

Team10, Team16, Team19 and Team21 have won a total of 327 games

They play each other 6 times

So on average, each of the teams wins $333/4 = 83.25$ games.

teams36.txt:

Team17 is eliminated.

They can win at most $71 + 28 = 99$ games.

Team5 has won a total of 100 games

They play each other 0 times

So on average, each of the teams wins $100/1 = 100.0$ games.

Team21 is eliminated.

They can win at most $79 + 23 = 102$ games.

Team18, Team20, Team22 and Team23 have won a total of 387 games

They play each other 22 times

So on average, each of the teams wins $409/4 = 102.25$ games.

teams48.txt:

Team4 is eliminated.

They can win at most $19 + 12 = 31$ games.

Team19 has won a total of 33 games

They play each other 0 times

So on average, each of the teams wins $33/1 = 33.0$ games.

Team6 is eliminated.

They can win at most $28 + 6 = 34$ games.

Team38, Team39 and Team40 have won a total of 99 games

They play each other 4 times

So on average, each of the teams wins $103/3 = 34.333333333333336$ games.

Team11 is eliminated.

They can win at most $19 + 10 = 29$ games.

Team19 has won a total of 33 games

They play each other 0 times

So on average, each of the teams wins $33/1 = 33.0$ games.

Team23 is eliminated.

They can win at most $22 + 11 = 33$ games.

Team0, Team1, Team2, Team3, Team5, Team7, Team8, Team9, Team10, Team12, Team13, Team14, Team15, Team16, Team17, Team18, Team19, Team20, Team21, Team22, Team24, Team26, Team28, Team30, Team31, Team32, Team33, Team34, Team35, Team36, Team37, Team38, Team39, Team40, Team41 and Team46 have won a total of 1012 games

They play each other 188 times

So on average, each of the teams wins $1200/36 = 33.333333333333336$ games.

Team25 is eliminated.

They can win at most $27 + 5 = 32$ games.

Team19 has won a total of 33 games

They play each other 0 times

So on average, each of the teams wins $33/1 = 33.0$ games.

Team47 is eliminated.

They can win at most $23 + 10 = 33$ games.

Team0, Team1, Team2, Team3, Team5, Team7, Team8, Team9, Team10, Team12, Team13, Team14, Team15, Team16, Team17, Team18, Team19, Team20, Team21, Team22, Team24, Team26, Team28, Team30, Team31, Team32, Team33, Team34, Team35, Team36, Team37, Team38, Team39, Team40, Team41 and Team46 have won a total of 1012 games

They play each other 188 times

So on average, each of the teams wins $1200/36 = 33.333333333333336$ games.

Teams50.txt:

No output

Teams54.txt:

They can win at most $27 + 8 = 35$ games.

Team33, Team34, Team36 and Team41 have won a total of 137 games

They play each other 7 times

So on average, each of the teams wins $144/4 = 36.0$ games.

Team7 is eliminated.

They can win at most $22 + 12 = 34$ games.

Team33 has won a total of 35 games

They play each other 0 times

So on average, each of the teams wins $35/1 = 35.0$ games.

Team15 is eliminated.

They can win at most $24 + 9 = 33$ games.

Team33 has won a total of 35 games

They play each other 0 times

So on average, each of the teams wins $35/1 = 35.0$ games.

Team29 is eliminated.

They can win at most $25 + 10 = 35$ games.

Team33, Team34, Team36 and Team41 have won a total of 137 games

They play each other 7 times

So on average, each of the teams wins $144/4 = 36.0$ games.

Team31 is eliminated.

They can win at most $14 + 20 = 34$ games.

Team33 has won a total of 35 games

They play each other 0 times

So on average, each of the teams wins $35/1 = 35.0$ games.

Team37 is eliminated.

They can win at most $22 + 13 = 35$ games.

Team33, Team34, Team36 and Team41 have won a total of 137 games

They play each other 7 times

So on average, each of the teams wins $144/4 = 36.0$ games.

Team43 is eliminated.

They can win at most $19 + 11 = 30$ games.

Team33 has won a total of 35 games

They play each other 0 times

So on average, each of the teams wins $35/1 = 35.0$ games.

Team50 is eliminated.

They can win at most $25 + 10 = 35$ games.

Team33, Team34, Team36 and Team41 have won a total of 137 games

They play each other 7 times

So on average, each of the teams wins $144/4 = 36.0$ games.

Teams60.txt:

Team5 is eliminated.

They can win at most $18 + 15 = 33$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team6 is eliminated.

They can win at most $32 + 6 = 38$ games.

Team10, Team20 and Team22 have won a total of 112 games

They play each other 3 times

So on average, each of the teams wins $115/3 = 38.33333333333336$ games.

Team7 is eliminated.

They can win at most $23 + 13 = 36$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team9 is eliminated.

They can win at most $26 + 11 = 37$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team14 is eliminated.

They can win at most $25 + 12 = 37$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team19 is eliminated.

They can win at most $27 + 9 = 36$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team21 is eliminated.

They can win at most $28 + 10 = 38$ games.

Team10, Team20 and Team22 have won a total of 112 games

They play each other 3 times

So on average, each of the teams wins $115/3 = 38.33333333333336$ games.

Team26 is eliminated.

They can win at most $26 + 11 = 37$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team27 is eliminated.

They can win at most $24 + 12 = 36$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team30 is eliminated.

They can win at most $29 + 9 = 38$ games.

Team10, Team20 and Team22 have won a total of 112 games

They play each other 3 times

So on average, each of the teams wins $115/3 = 38.33333333333336$ games.

Team36 is eliminated.

They can win at most $28 + 9 = 37$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team39 is eliminated.

They can win at most $26 + 12 = 38$ games.

Team10, Team20 and Team22 have won a total of 112 games

They play each other 3 times

So on average, each of the teams wins $115/3 = 38.33333333333336$ games.

Team40 is eliminated.

They can win at most $26 + 11 = 37$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team46 is eliminated.

They can win at most $24 + 13 = 37$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team51 is eliminated.

They can win at most $29 + 9 = 38$ games.

Team10, Team20 and Team22 have won a total of 112 games

They play each other 3 times

So on average, each of the teams wins $115/3 = 38.33333333333336$ games.

Team53 is eliminated.

They can win at most $25 + 10 = 35$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team56 is eliminated.

They can win at most $28 + 9 = 37$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.

Team57 is eliminated.

They can win at most $27 + 10 = 37$ games.

Team10 has won a total of 38 games

They play each other 0 times

So on average, each of the teams wins $38/1 = 38.0$ games.