Appendix. Archetypes in the topology of 2x2 games

Appendix to Bruns, B., and C. Kimmich. 2021. Archetypal games generate diverse models of power, conflict, and cooperation. *Ecology and Society*.

Graphical abstract. Simplifying two-person two-choice (2x2) games by making ties in payoff ranks (indifference between outcomes) derives three primal archetypes of interdependence. Payoff patterns from the symmetric archetypes for independence, coordination, and exchange combine to form asymmetric archetypes for power, dependence, and conflict. Breaking ties in primal archetypes generates intermediate archetypes for synergy, compromise, conventions, rivalry, and advantage. Archetypal games provide a menu of models for understanding institutional diversity and transformation in social-ecological situations.



**Primal Archetypes Generate Diverse Situations** 

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# 1. Introduction to the appendix

This appendix provides further results and discussion about families of asymmetric archetypes, the topology of 2x2 games, games with ties that lie between the strict ordinal games, the prevalence of bias games, payoff matrices for examples of interdependence, changing preferences, dimensions of interdependence, and some limitations and extensions of this approach to archetypal games.

The main paper identified archetypes for 2x2 games and showed how they generate diverse models for interdependence:

- Simple game theory models of independence, coordination, and exchange combine payoff patterns to make asymmetric situations of power, dependence and conflict.
- These archetypal games differentiate (by breaking ties in outcome rankings) to generate archetypes for synergy, compromise, conventions, rivalry, and advantage.
- Archetypal games offer a menu of models for understanding institutional diversity and transformation in social-ecological systems.

This appendix discusses how archetypes fit into the topology of 2x2 games. In a sense, the topology of 2x2 games provides an intellectual framework and scaffolding for identifying archetypal games. The main paper introduces families of archetypal games, while this appendix puts the archetypal games into the context of the topology of 2x2 games.

- Breaking ties in primal archetypes generates families of strict 2x2 games.
- The topology of payoff swaps in two-person two-choice (2x2) games maps overlapping relationships among archetypes with various challenges for cooperation.
- Ties make simpler games between strict 2x2 games.
- Making high ties and low ties in the strict 2x2 games derives primal archetypes including variants equivalent by interchanging rows and columns.
- Symmetric 2x2 games mostly offer relatively good outcomes at equilibrium (best or second-best) except for an unstable region around Prisoner's Dilemma.
- Most 2x2 games have unequal payoffs at equilibrium

- Standardizing payoff matrices shows equivalence in models between the Atlas of Interpersonal Situations and the topology of 2x2 games.
- Making and breaking ties represents changes in preferences. There are many reasons why payoff values might change.
- Archetypal games illustrate dimensions of independence including Nash best response equilibria, coordination, and externalities.
- The ways in which simple archetypes generate more diverse situations offer tools for understanding similarity and diversity in interdependence.

# 2. Asymmetric archetypes differentiate into families of hotspots and pipes

Figures A1 and A2 show how all eight primal archetypes differentiate into symmetric and asymmetric descendants.

- Primal Coordination differentiates into games with rival equilibria or games where achieving the best payoff for both may conflict with avoiding risk.
- Primal Conflict, also known as Matching Pennies, differentiates into a family of cyclic games with no equilibria. These are situations of completely opposed interests where if one gains the other does worse.
- Primal Win-Lose yields further asymmetric inequality in high bias (4,2) games where one gets second-worst at equilibrium.
- Primal Gift, Primal Independence, and Helping Hand produce families of games with relatively good outcomes that each contain win-win (4,4), moderate bias (4,3), and second-best (3,3) outcomes.
- Primal Exchange and Primal Combination have particularly diverse descendants, including asymmetric dilemmas with inefficient equilibria, games with highly unequal (4,2) equilibrium outcomes, and cyclic games where a focal point (4,3 or 3,3) could offer a Pareto-optimal solution better than cyclic instability or the poor payoff from a mixed strategy. Most of these games, including the social dilemmas of Prisoner's Dilemma, Chicken, and Stag Hunt as well as their asymmetric neighbors, share defection problems where there are motivations to move away from a cooperative Pareto-optimal solution and instead become trapped in a result that is unsatisfactory for one or both.

Figure A1. Hotspot families. Primal archetypes for Coordination, Conflict, Win-lose, and Gift differentiate into two tiles composed of four strict ordinal games linked by low swaps (1 > < 2).





Samaritan D

Hegemony

Remediable

1 2 3 4

Hegemony

2 1 4 3 2 2 4 3

Remediable

1 1 3 4

LdLh:Remediable



**Figure A2.** Pipe families. Primal archetypes for Exchange, Independence (Harmony), Favors, and Help differentiate into four tiles with sixteen strict games.

# 3. The topology of payoff swaps in 2x2 games

Figure A3 displays the topology of 2x2 games (Robinson and Goforth 2005, Robinson et al. 2007, Bruns 2015), which provides the framework for analysis in this paper. Symmetric games form a diagonal axis from lower left to upper right. Their payoffs combine to make asymmetric games. Making ties in payoff ranks simplifies games to form archetypes, breaking ties differentiates primal archetypes into the strict ordinal 2x2 games shown in the table.

In the topology of 2x2 games, games linked by swaps in the two lowest-ranked outcomes are considered nearest neighbors. Four games linked by low swaps (1><2) form a *tile*, as on the right hand side of Figures A1 and A2. In Figure A3, an example is the tile with Assurance, Safe Choice, and the combinations of their payoff patterns. Middle swaps (2><3) create a neighboring game to start a new tile. Continuing this process until the payoff structures repeat creates a *layer* of nine tiles and thirty-six games. High swaps (3><4) start a new layer, for example when Stag Hunt turns into an Asymmetric Dilemma. Each layer forms a torus (doughnut) shape that can be "cut open" and displayed on a flat square. So, payoff swaps link games at the top of a layer to those at the bottom. Payoff swaps also link games from side-to-side in a layer (like an early video game where a spaceship leaving one edge reappears on the other).

Each actor could have payoff swaps for low, middle, or high payoffs (1><2, 2><3, 3><4). Therefore each game has six neighbors. Low and middle swap neighbors are shown in each layer, while high swaps transform into games on another layer. The topology of 2x2 games provides a map of the "adjacent possible" (Kauffman 1995) of potential transformations resulting from changes in the ranking of outcomes.

The four layers in the topology of 2x2 games differ by the alignment of the best outcomes. In the discord layer (Layer 1) on the upper right of Figure A3, the best outcomes are in diagonally opposed cells. In the win-win layer (Layer 3) on the lower left, the best outcomes (4,4) are in the same cell. In Layers 2 and 4 the best outcomes are in the same row or column. Making ties for the three lowest payoffs simplifies all the games in a layer into one of the four basic archetypes: Win-Win for Layer 3, Discord for Layer 1, or Row or Column Threat (top outcomes in the same row or column) for Layers 2 and 4.

As shown in Figure A1, some primal archetypes such as Primal Coordination and Primal Conflict ultimately generate eight strict ordinal games. These are arranged in two tiles that form a *hotspot*. In a hotspot, two tiles on different layers are linked by swaps in the two highest-ranked payoffs (3><4). Other primal archetypes, such as Primal Independence, Primal Exchange, and their neighbors generate sixteen strict ordinal games in four tiles, forming *pipes*, as shown in Figure A2. In a pipe, high swaps connect four tiles, one on each layer.

Figure A3 locates the hotspots and pipes in the topology of 2x2 games. Hotspots can be identified by the layers they link. Thus the coordination hotspot links layers 1 and 3. The cyclic hotspot links layers 2 and 4. Pipes link tiles in equivalent locations on each of four layers. For example, high swaps link the Harmony tile to equivalently located tiles on the lower left of each layer (H::H pipe). Neighboring tiles above or to the right are similarly linked in quartets of tiles (C::H and H::C). The same applies for the tiles (D::D) on the upper right of each layer, and their neighboring tile quartets to the left and below (C::D, D::C). As shown in Figures A1 and A2, each hotspot or pipe simplifies into a primal archetype, an ancestor (progenitor) that differentiates into a family of games.

**Figure A3**. Hotspots and pipes in a "standard layout" of the topology of 2x2 games with Prisoner's Dilemma in an outer corner. Figures A3b and A3c show how "scrolling" the display of the torus-shaped layer moves Prisoner's Dilemma from an outer corner to an inner corner. This splits open tiles and creates the dominant strategy layout shown in Figure A4.

Del Lie		DH Or		D-L OF	D-I M-			Dil Om	Del 11a		D-L OF	
Pu Ha	I PU PC	Pulco	PU AS	Pu Sil			Publ	Puchi	Pu Hi	Pu ba	Pu Ch	PuPu
1 2 3 4	1 1 3 4	1 1 3 4	1234	1 3 3 4	1 3 3 4		1 4 3 2	1431	1 4 3 1	1432	1 4 3 3	1 4 3 3
<b>2</b> 1 <b>4</b> 3	<b>2</b> 2 <b>4</b> 3	2 3 <b>4 2</b>	2 3 4 1	2 2 4 1	2 1 4 2		2 3 4 1	2 3 4 2	<b>2</b> 2 <b>4</b> 3	2 1 4 3	2 1 4 2	2 2 4 1
L3:L4	LdLh:Remediable	D::C	Alibi	AsymD D::D	Threat	U	L1:L2	Sad	D::C	LdLb:Biased Favor	D::D	Dilemma
Ch Ha	Ch Pc	Ch Co	Ch As	Ch Sh	Ch Nc		Ch DI	Ch Cm	Ch Hr	Ch Ba	Ch Ch	Ch Pd
2 2 3 4	2 1 3 4	2 1 3 4	2 2 3 4	2 3 3 4	2 3 3 4		2 4 3 2	2 4 3 1	2 4 3 1	2 4 3 2	2 4 3 3	2 4 3 3
1 1 4 3	1243	1 3 4 2	1 3 4 1	1 2 4 1	1 1 4 2		1 3 4 1	1342	1243	1 1 4 3	1 1 4 2	1 2 4 1
SamaritanD	Biased Type	Biased Cycle	Inferior	Endless	Dove-Hawk		Bully		. 2 . 0	Caring Dilemma	Chickon	Called Bluff
Balla	Diased Type	Ba Ca		De Ch	Dove-Hawk		Dully De Di	Re Cm	Do He	Dilemina Be Be	Bach	Dailed Didii
		Ba Co		Da Sil								
3 2 2 4	3 1 2 4	3 1 2 4	3 2 2 4	3 3 2 4	3 3 2 4		3 4 2 2	3 4 2 1	3 4 2 1	3422	3 4 2 3	3 4 2 3
1 1 4 3	1 2 4 3	1 3 4 2	1 3 4 1	1 2 4 1	1 1 4 2	C	1 3 4 1	1 3 4 2	1 2 4 3	1 1 4 3	1 1 4 2	1 2 4 1
C::H	LbLh:Disadvantage	L2:L4	LbAs:Clock 🕐	C::D	Samson	Ŭ	C::H	LbLk:Advantage	L1:L3	Leader	C::D	LbLd:Biased Favor
Hr Ha	Hr Pc	Hr Co	Hr As	Hr Sh	Hr Nc	$\backslash$ /	Hr DI	Hr Cm	Hr Hr	Hr Ba	Hr Ch	Hr Pd
3 2 1 4	3 1 1 4	3 1 1 4	3 2 1 4	3 3 1 4	3 3 1 4		<b>3</b> 4 <b>1</b> 2	3 4 1 1	<b>3</b> 4 <b>1</b> 1	<b>3</b> 4 <b>1</b> 2	<b>3</b> 4 <b>1</b> 3	<b>3</b> 4 <b>1</b> 3
2 1 4 3	2 2 4 3	2 3 4 2	2 3 4 1	2 2 4 1	2 1 4 2		2 3 4 1	2 3 4 2	2 2 4 3	2 1 4 3	2 1 4 2	2 2 4 1
		Pursuit	Zero-sum	Crisis	LbLn:Okav Focus				Hero	Quasi Battle		
Cm Ha	Cm Pc	Cm Co	Cm As	Cm Sh	Cm Nc		Cm DI	CmCm	Cm Hr	Cm Ba	Cm Ch	Cm Pd
2 2 1 4	2 1 1 1	2 1 1 1	2 2 1 1	2 2 1 1	2 2 1 4		2 4 1 2	2 $4$ $1$ $1$	2 4 1 1	2 4 1 2	2  4  1  2	2 4 1 2
2 2 1 4	2 1 1 4	2 1 1 4		2 3 1 4	2 3 1 4		2 4 1 2	2 4 1 1			2 4 1 3	2 4 1 3
3 1 4 3	3 2 4 3	3 3 4 2	3 3 4 1	3 2 4 1	3 1 4 2	н	3 3 4 1	3 3 4 2	3 2 4 3	3 1 4 3	3 1 4 2	3 2 4 1
H::H	LKLh: Filted	H::C	LKAS:Good Enough	L1:L4	LKLn: Yield		H::H	Compromise	H::C	LkLb:Advantage	L1:L4	Sad
DI Ha	DI Pc	DI Co	DI As	DI Sh	DI NC		DI DI	DI Cm	DI Hr	DI Ba	DI Ch	DI Pd
1 2 2 4	1 1 2 4	1 1 2 4	1 2 2 4	1 3 2 4	1 3 2 4		1 4 2 2	1 4 2 1	1 4 2 1	1 4 2 2	1 4 2 3	1 4 2 3
3 1 4 3	3 2 4 3	3 3 4 2	3 3 4 1	3 2 4 1	3 1 4 2		3 3 4 1	3 3 4 2	3 2 4 3	3 1 4 3	3 1 4 2	3 2 4 1
MkMh: Jekyll-Hyde				Hamlet	Grievance		Deadlock			Protector	Bully	Total Conflict
		~								~		
н		С	>	D			н		$\sim$	С	D	
H Nc Ha	Nc Pc	C Nc Co	Nc As	D Nc Sh	Nc Nc		H Nc Di	Nc Cm	Nc Hr	C Nc Ba	D Nc Ch	Nc Pd
H Nc Ha		C Nc Co 2 1 4 4	Nc As	D Nc Sh	Nc Nc		H Nc DI	Nc Cm	Nc Hr	<b>C</b> Nc Ba	D Nc Ch	Nc Pd
H Nc Ha 2 2 4 4 1 1 3 3	Nc Pc 2 1 4 4 1 2 3 3	C Nc Co 2 1 4 4 1 3 3 2	Nc As 2 2 4 4 1 3 3 1	D Nc Sh 2 3 4 4 1 2 3 1	Nc Nc 2 3 4 4 1 1 3 2		H Nc Dl 2 4 4 2 1 3 3 1	Nc Cm 2 4 4 1 1 3 3 2	Nc Hr 2 4 4 1 1 2 3 3	C Nc Ba 2 4 4 2 1 1 3 3	D Nc Ch 2 4 4 3 1 1 3 2	Nc Pd 2 4 4 3 1 2 3 1
H Nc Ha 2 2 4 4 1 1 3 3 1 3 1	Nc Pc 2 1 4 4 1 2 3 3	C Nc Co 2 1 4 4 1 3 3 2 D::C	Nc As 2 2 4 4 1 3 3 1	D Nc Sh 2 3 4 4 1 2 3 1 Anticip D::D	Nc Nc 2 3 4 4 1 1 3 2	D	H Nc DI 2 4 4 2 1 3 3 1 0 1112	Nc Cm 2 4 4 1 1 3 3 2	Nc Hr 2 4 4 1 1 2 3 3 D::C	C Nc Ba 2 4 4 2 1 1 3 3 Samean	D Nc Ch 2 4 4 3 1 1 3 2 D::D	Nc Pd 2 4 4 3 1 2 3 1 Threat
H Nc Ha 2 2 4 4 1 1 3 3 L3:L4	Nc Pc 2 1 4 4 1 2 3 3 LnLh:Aid	C Nc Co 2 1 4 4 1 3 3 2 D::C	Nc As 2 2 4 4 1 3 3 1 LnLo:Best Favor	D Nc Sh 2 3 4 4 1 2 3 1 Anticip. D::D	Nc Nc 2 3 4 4 1 1 3 2 Concord	D	H Nc Dl 2 4 4 2 1 3 3 1 G L1:L2	Nc Cm 2 4 4 1 1 3 3 2 LnLk:Yield	Nc Hr 2 4 4 1 1 2 3 3 D::C	C Nc Ba 2 4 4 2 1 1 3 3 Samson	D Nc Ch 2 4 4 3 1 1 3 2 D::D	Nc Pd 2 4 4 3 1 2 3 1 Threat
H Nc Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha	Nc      Pc        2      1      4      4        1      2      3      3        LnLh:Aid      Sh      Pc	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co	Nc As 2 2 4 4 1 3 3 1 LnLo:Best Favor	D Nc Sh 2 3 4 4 1 2 3 1 Anticip. D::D Sh Sh	Nc Nc 2 3 4 4 1 1 3 2 Concord Sh Nc	D	H Nc Dl 2 4 4 2 1 3 3 1 G L1:L2 Sh Dl	Nc Cm        2      4      4      1        1      3      3      2        LnLk:Yield      Sh Cm	Nc Hr 2 4 4 1 1 2 3 3 D::C Sh Hr	C Nc Ba 2 4 4 2 1 1 3 3 Samson Sh Ba	D Nc Ch 2 4 4 3 1 1 3 2 D::D Sh Ch	Nc      Pd        2      4      4      3        1      2      3      1        Threat
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H 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3	NC      PC        2      1      4      4        1      2      3      3        LnLh:Aid	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2	Nc As        2      2      4      4        1      3      3      1        LnLo:Best Favor      Sh As      1      2      4      4        2      3      3      1      1      2      4      4	Nc      Sh        2      3      4      4        1      2      3      1        Anticip.      D::D      D::D        Sh      Sh        1      3      4      4        2      2      3      1	Nc      Nc        2      3      4      4        1      1      3      2        Concord        Sh Nc        1      3      4      4        2      1      3      2	D	H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1	Nc Cm        2      4      4      1        1      3      3      2        LnUk:Yield           Sh Cm      1      4      4      1        2      3      3      2	Nc      Hr        2      4      4      1        1      2      3      3        D::C      Sh      Hr        1      4      4      1        2      2      3      3	Nc      Ba        2      4      4      2        1      1      3      3        Sh      Ba        1      4      4      2        2      1      3      3	Nc Ch        2      4      3        1      1      3      2        D::D      Sh Ch      1        1      4      4      3        2      1      3      2	Nc      Pd        2      4      4      3        1      2      3      1        Threat        Sh Pd        1      4      4      3        2      2      3      1
H Nc Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3	Nc      Pc        2      1      4      4        1      2      3      3        LnLh:Aid	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2	Nc As      4        2      2      4      4        1      3      3      1        Lho:Best Favor      Sh As      1      2        1      2      3      3      1        MuMurTrust      MuMurTrust      MuMurTrust      MuMurTrust	D NC Sh 2 3 4 4 1 2 3 1 Anticip. D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt	Nc      Nc        2      3      4      4        1      1      3      2        Concord        Sh Nc        1      3      4      4        2      1      3      2        Anticipation	D	H 2 4 4 2 1 3 3 1 G L1:L2 Sh Dl 1 4 4 2 2 3 3 1 Hamlet	Nc Cm        2      4      4      1        1      3      3      2        Lutk:Yield      Sh Cm      1      4      4      1        2      3      3      2      Big Bully      3      2	Nc      Hr        2      4      4        1      2      3      3        D::C      Sh      Hr        1      4      4      1        2      2      3      3        Crisis Cycle      Crisis Cycle      Crisis Cycle	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Ba      1      4      4      2        2      1      3      3      3        Inspector      J      3      3	D NC Ch 2 4 4 3 1 3 2 D::D Sh Ch 1 4 4 3 2 1 3 2 Endless	NC      Pd        2      4      4      3        1      2      3      1        Threat      X      X      X        Sh      Pd      3      3        1      4      4      3        2      2      3      1        Asym Dilemma      3      3      3
H Nc Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha	Nc      Pc        2      1      4      4        1      2      3      3        Lnth:Aid	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co	Nc As        2      2      4      4        1      3      3      1        LhubBest Favor      Sh As      1      2      4      4        2      3      3      1      MuMuTnust      As As	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      Sh        1      3      4      4        2      2      3      1        Sh      Sh      Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      Sh	Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        1      3      4      4        2      1      3      2        Anticipation      As      Nc	D	H NC DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI	Nc Cm        2      4      4      1        1      3      3      2        LhL:Yield      Sh Cm      1      4      1        2      3      3      2      Big Bully        As Cm	Nc      Hr        2      4      4        1      2      3      3        D::C      Sh      Hr        1      4      4      1        2      2      3      3        Crisis Cycle      As      Hr	Nc      Ba        2      4      2        1      1      3        Samson	Nc      Ch        2      4      3        1      1      3      2        D::D      D::D      D        Sh      Ch      1      4      4      3      2        Sh      Ch      1      3      2      Endless      As      Ch	Nc      Pd        2      4      4      3        1      2      3      1        Threat      4      3      3        1      4      4      3        2      2      3      1        Asym Dilemma      As      Pd
H Nc Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4	Nc      Pc        2      1      4      4        1      2      3      3        LnthAid      Sh      Pc      1      1      4      4        2      2      3      3      Charity      Gharity      As      Pc        1      1      4      4      2      Charity      T      1      4      4	C 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4	Nc As      2      2      4      4        1      3      3      1      LnLoBest Favor        Sh As      1      2      4      4      2      3      1        MuMur Trust      As      As      1      2      4      4	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      Sh      1        3      4      4      2      2      3      1        Stag Hunt      As      Sh      1      3      4      4	Nc      Nc        2      3      4      4        1      1      3      2        Concord        Sh Nc        1      3      4      4        2      1      3      2      A        Anticipation      As Nc      1      3      4      4	D	Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        1      4      4      2        2      3      3      1        Hamlet      Hamlet      4      2        As      DI      1      4      2	Nc Cm        2      4      1        1      3      3      2        LnLk:Yield      Sh Cm      1      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1	Nc Hr        2      4      1        1      2      3      3        D::C      Sh Hr      1      4      1        2      2      3      3      Crisis Cycle        As Hr      1      4      1      1      2      2      3	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Ba      4      2      2      1      3      3        Inspector      As      Ba      1      4      4      2        1      3      3      Inspector      As      Ba      1      4      4      2	Nc      H        2      4      3        1      1      3      2        D::D      Sh      Ch      1        3      1      1      3      2        Sh      Ch      1      3      2        Endless      Endless      4      3        As      Ch      1      4      3	Nc      Pd        2      4      4      3        1      2      3      1        Threat        Sh      Pd        1      4      4      3        2      2      3      1        Asym Dilemma      Asym Pd      1      4      4      3
H No Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3	Nc      Pc        2      1      4      4        1      2      3      3        LnUhAid      Sh      Pc      1      1      4      4        2      2      3      3      Charity      As      Pc      1      1      4      4      3      2      2      3      3      Charity      3      2      2      3      3      Charity      As      Pc      1      1      4      4      3      2      2      3      3      Charity      As      A	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2	Nc As      2      2      4      4        1      3      3      1      LnLoxBest Favor        Sh As      1      2      4      4        2      3      3      1        MuMurTrust      As      As      1      2      4      4        3      3      2      1      2      4      4      3      3      2      1	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      Sh        1      3      4      4        2      2      3      1        Stage Hunt      As      Sh      1        1      3      4      4        3      2      2      1	Nc      I        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1      3      2        1      3      4      4      2      1      3      2        Anticipation      As      Nc      1      3      4      4        3      1      2      2      2      2      3      4      4	D	H NC DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1	Nc Cm        2      4      4      1        1      3      3      2        LnUkYled      Sh Cm      1      1      4      1        2      3      3      2      Big Bully      As Cm      1      4      4      1        3      3      2      2      3      2      2	Nc Hr        2      4      4      1        1      2      3      3      D:::C        Sh Hr      1      4      4      1        2      2      3      3      Crisis Cycle        As Hr      1      4      4      1        3      2      2      3      3	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Sh      Ba      1        1      4      4      2      2      1      3      3        Inspector      As      Ba      1      4      4      2        3      1      4      2      3      1      2      3      1	Nc      Ch        2      4      3        1      1      3      2        D:::D      Sh      Ch        1      4      3      2        Sh      Ch      1      3      2        Endless      As      Ch      1      4        As      Ch      1      4      4      3        3      1      2      2      2      2	Nc      Pd        2      4      4      3        1      2      3      1        Threat        Sh      Pd        1      4      4      3        2      2      3      1        Asym Dilemma      Ass      Pd        1      4      4      3        3      2      2      1
H Nc Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C::H	Nc      Pc        2      1      4      4        1      2      3      3        LrlLrAid      -      -      -        Sh      Pc      -      -      -        1      1      4      4      -      -        2      2      3      3      Charity      -        As      Pc      1      4      4      -        3      2      2      3      -      -        Loth-Enable      -      -      -      -      -	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 2 2 L1:L3	Nc As      2      2      4      4        1      3      3      1      LnLoBest Fevor        Sh As      1      2      4      4      2      3      3      1        MuMucTrust      As      As      3      2      1      4      4      3      3      2      1      Assurance      4      4      3      3      2      1      1      2      4      4      3      3      2      1      1      Assurance      4      3      3      2      1      1      4      4      3      3      2      1      1      4      5      3      2      1      1      1      1      4      4      3      3      2      1 <td< th=""><th>D Nc Sh 2 3 4 4 1 2 3 1 Anticip. D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 1 3 4 4 3 2 2 1 C::D</th><th>Nc      2      3      4      4        1      1      3      2      Concord        Sh      Nc      1      3      4      4        1      3      4      4      2      1      3      2      Anticipation        As      Nc      1      3      4      4      3      2      2      1      3      2      4      4      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2</th><th>D</th><th>H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 2 1 C::H</th><th>Nc Cm        2      4      4      1        1      3      3      2        LnU:Yield      Sh Cm      1      4      4        1      4      4      1      2      3      3      2        Big Bully      As Cm      1      4      4      1      3      3      2      2        Lob:Good Enough      Close Enough      Short Enough      2      2      2      2</th><th>Nc      Hr        2      4      4        1      2      3        D::C      Sh      Hr        1      4      4      1        2      2      3      3        Crisis      Cycle      As      Hr        1      4      4      1        2      2      3      3        Crisis      Cycle      As      Hr        3      2      2      3        L2:L4      4      1      3</th><th>Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      Sa      Sa        As      Ba      1      4      4      2      3      3      3      Inspector      Sa      Sa      Lob.clock      0      Ja      2      Ja      3      1      2      3      1      2      3      3      1      2      3      1      2      3      3      1      2      3      1      2      3      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      3      3      3      3      3</th><th>Nc Ch        2      4      3        1      1      3      2        D::D      Sh Ch      1      1        1      4      3      2      1        Sh Ch      3      2      1      3      2        Endless      As Ch      1      4      3      3      1      2      2        D::D      D::C      D::</th><th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      Threat      3      1        Sh      Pd      1      4      4      3        2      2      3      1      Asym Dilemma        As      Pd      1      4      4      3        3      2      2      1      Alibitician      Alibitician</th></td<>	D Nc Sh 2 3 4 4 1 2 3 1 Anticip. D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 1 3 4 4 3 2 2 1 C::D	Nc      2      3      4      4        1      1      3      2      Concord        Sh      Nc      1      3      4      4        1      3      4      4      2      1      3      2      Anticipation        As      Nc      1      3      4      4      3      2      2      1      3      2      4      4      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      3      1      2	D	H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 2 1 C::H	Nc Cm        2      4      4      1        1      3      3      2        LnU:Yield      Sh Cm      1      4      4        1      4      4      1      2      3      3      2        Big Bully      As Cm      1      4      4      1      3      3      2      2        Lob:Good Enough      Close Enough      Short Enough      2      2      2      2	Nc      Hr        2      4      4        1      2      3        D::C      Sh      Hr        1      4      4      1        2      2      3      3        Crisis      Cycle      As      Hr        1      4      4      1        2      2      3      3        Crisis      Cycle      As      Hr        3      2      2      3        L2:L4      4      1      3	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      Sa      Sa        As      Ba      1      4      4      2      3      3      3      Inspector      Sa      Sa      Lob.clock      0      Ja      2      Ja      3      1      2      3      1      2      3      3      1      2      3      1      2      3      3      1      2      3      1      2      3      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      3      3      3      3      3	Nc Ch        2      4      3        1      1      3      2        D::D      Sh Ch      1      1        1      4      3      2      1        Sh Ch      3      2      1      3      2        Endless      As Ch      1      4      3      3      1      2      2        D::D      D::C      D::	Nc      Pd        2      4      4      3        1      2      3      1        Threat      Threat      3      1        Sh      Pd      1      4      4      3        2      2      3      1      Asym Dilemma        As      Pd      1      4      4      3        3      2      2      1      Alibitician      Alibitician
H No Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C::H	Nc      Pc        2      1      4      4        1      2      3      3        Luth:Aid	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 2 2 L1:L3 Co Co	Nc As      2      2      4      4        1      3      3      1      LnLo.Best Favor        Sh As      1      2      4      4      2      3      3      1        MuMu:Trust      As      As      1      2      4      4      3      3      1        MuMu:Trust      Ass      As      1      2      4      4      3      3      2      1        Assurance      Co      As      S      2      1	D Nc Sh 2 3 4 4 1 2 3 1 Anticip. D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 1 3 4 4 3 2 2 1 C::D Co Sh	Nc      2      3      4      4        1      1      3      2        Concord        Sh Nc        1      3      4      4        2      1      3      2      2        Anticipation        As Nc        1      3      4      4        3      1      2      2        LobrBest Favor      Co. Nc      Co.      Nc	D	H NC DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1 Can DI Can DI Can DI	Nc Cm        2      4      4      1        1      3      3      2        LnU:Yield	Nc      Hr        2      4      4        1      2      3      3        D::C      Sh      Hr      1        1      4      4      1        2      2      3      3        Crisis      Cycle      As      Hr        1      4      4      1        3      2      2      3        L2:L4      Co      Hr	C	Nc      Ch        2      4      4      3        1      1      3      2        D::D      Sh      Ch      1        1      4      4      3      2      1      3      2      I      3      2      1      3      2      Endless      As      Ch      1      4      4      3      3      1      2      2      D::D      Si      Ch      1      4      4      3      3      1      2      2      D::D      Si      Ch      1      4      4      3      3      1      2      2      D::D      D::D      D      C      Ch      D::D      D      Ch      D::D      D      Ch      D::D      D      D      Ch      D      Ch      D      Ch      D      Ch      D      D      D      D      D      D      D      D      D      D      D      D      D      D      D      D      D      D	Nc      Pd        2      4      4        1      2      3      1        Threat      Threat      1      4      4        1      4      4      3      2      2      3      1        Asym Dilemma      As      Pd      1      4      4      3      3      2      2      1        Albib      Co      Pd      1      4      4      3      3      2      2      1
H Nc Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C::H Co Ha 2 2 4 4	Nc      Pc        2      1      4      4        1      2      3      3        Lribridit      Introduction      3      3      3        Charity      As      Pc      1      1      4      4        3      2      2      3      3      Loth-Enable      Coc      Pc        2      1      1      4      4      3      2      2      3        Loth-Enable      Coc      Pc      2      1      4	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4	Nc As      2      2      4      4        1      3      3      1      LnLoBest Favor        Sh As      1      2      4      4        2      3      3      1        MuMu: Trust      As      As      3      2      1        Assurance      Co As      2      2      4      4	D Nc Sh 2 3 4 4 1 2 3 1 Anticip.D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 1 3 4 4 3 2 2 1 C::D Co Sh 2 3 4 4	Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        3      4      4      2      1      3      2        Anticipation      As      Nc      1      3      4      4        3      1      2      2      2      LiunBest Favor        Co      Nc      2      3      4      4      3      1      2      2        LiunBest Favor      Co      Nc      2      3      4      4	D	H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1 C::H Co DI 2 4 4 2 3 3 2 1 C::H	Nc Cm        2      4      4      1        1      3      2      LnL:Viet        Sh Cm      1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      LoL:Good Enough        Co Cm      2      4      4      4      1	Nc Hr      2      4      4      1        1      2      3      3      D::C        Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      4      4      1        3      2      2      3      3      L2:L4        Co Hr      2      4      4      1      3      2      2      3	C NC Ba 2 4 4 2 1 1 3 3 Samson Sh Ba 1 4 4 2 2 1 3 3 Inspector As Ba 1 4 4 2 3 1 2 3 LotbClock C 0 Ba 2 4 4 2 3 1 4 2 3 1 4 4 2 3 1 4 4 2 3 2 1 3 3 Inspector C 0 Ba 2 4 4 2 3 1 4 4 2 3 1 4 4 2 3 2 1 3 3 C 0 Ba C 0 C C 0 Ba C 0 C 0 Ba C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0	Nc Ch        2      4      4      3        1      1      3      2      D::D        Sh Ch      1      3      2      Endless        As Ch      1      4      3      2      2        As Ch      1      4      2      2      D::C        Co Ch      2      4      4      3      3      1      2      2        D::C      Co Ch      2      4      4      3      3      1      2      2        D::C      Co Ch      4      3      4      4      3      3      1      2      2      4      3      3      1      2      2      1      3      1      2      2      1      3      1      2      2      1      1      4      3      3      1      2      2      1      1      1      3      1      2      2      1      1      3      1      2      2      1      3      1	Nc      Pd        2      4      4      3        1      2      3      1        Threat      Image: Shift of the
H No Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C::H Co Ha 2 2 4 4 2 1 3 3	Nc      Pc        2      1      4      4        1      2      3      3        LnUhAid      Sh      Pc      1      1      4      4        2      2      3      3      Charity      As      Pc      1      1      4      4      3      2      2      3      3      Charity      As      Pc      1      1      4      4      3      2      2      3      LoUhEnable      Co      Pc      2      3      LoUhEnable      Co      Pc      2      3      2      2      3      LoUhEnable      Co      Pc      2      3      2      2      3      LoUhEnable      Co      Pc      2      3      4      2      2      3      2      2      3      2      2      3      3      2      2      3      2      3      2      3      2      3      2      3      3      2      3      2      3      3      2	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4	Nc As      2      2      4      4        1      3      3      1      LrlubBest Favor        Sh As      1      2      4      4        2      3      3      1      2      4        2      3      3      1      MuMurTust        Ass As      3      2      1      Assurance        Co As      2      2      4      4	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        4      2      2      3      1        Co      Sh      2      2      1        Co      Sh      2      3      4        3      2      2      1      1        Co      Sh      2      3      4        2      3      4      4      3        Co      Sh      2      3      4        Co      Sh      2      3      4	Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1      3      4      4        2      1      3      2      Anticipation      As      Nc        1      3      4      4      3      1      2      2      Introduction        Ass      Nc	D	H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1 Co DI 2 4 4 2 3 3 4 4 Co DI 2 4 4 2 3 3 4 Co DI	Nc Cm        2      4      4      1        1      3      2      LrLk-Yield        Sh Cm      1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      LoLk-Good Enough        Co Cm      2      2      4      4      1	Nc Hr        2      4      4        1      2      3      3        D::C      Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3      3        Crisis Cycle      As Hr      1      2      2      3      3      L2:L4        Co Hr      2      2      3      L2:L4      Co Hr      2      4      2      1      2      2      3      L2:L4      Co Hr      2      4      2      2      3      L2:L4	Nc      Ba        2      4      4      2        1      1      3      3        Samon      Samon      Samon      Samon        Sh      Ba      1      4      4      2        2      1      3      3      inspector      As      Ba        1      4      4      2      3      3      J      J      2      3      J      2      3      J      2      3      L      3      J      2      3      J      2      3      J      2      3      L      2      J      J      2      J      J      2      J      J      2      J      J      Z      J      J      Z      J      J      Z      J      J      Z      J      Z      J      Z      J      Z      Z      J      J      Z      Z      J      Z      Z      J      Z      Z      Z      Z      Z      Z      Z <t< th=""><th>Nc      Ch        2      4      4      3        1      1      3      2      D::D        Sh      Ch      1      4      3        2      1      3      2      Endless        As      Ch      1      4      4        3      1      2      2      D::D        Co      Ch      2      2      4        2      4      4      3      2</th><th>Nc      Pd        2      4      4      3        1      2      3      1        Thread      3      1      4      3        2      2      3      1      4      4        Asym Dilemma      As      Pd      1      4      4      3        As      Pd      1      2      2      1      1        Alibi      Co      Pd      2      2      1</th></t<>	Nc      Ch        2      4      4      3        1      1      3      2      D::D        Sh      Ch      1      4      3        2      1      3      2      Endless        As      Ch      1      4      4        3      1      2      2      D::D        Co      Ch      2      2      4        2      4      4      3      2	Nc      Pd        2      4      4      3        1      2      3      1        Thread      3      1      4      3        2      2      3      1      4      4        Asym Dilemma      As      Pd      1      4      4      3        As      Pd      1      2      2      1      1        Alibi      Co      Pd      2      2      1
H No Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 Cital As Ha 1 2 4 4 3 1 2 3 Cital Co Ha 2 2 4 4 3 1 1 3	Nc      Pc        2      1      4      4        1      2      3      3        LrlLrAid      Sh      Pc      1      1      4      4        2      2      3      3      Charity      As      Pc      1      1      4      4      3      2      2      3      3      Charity      As      Ac      As      A      As      A      As      As      Ac      As      Ac      As      Ac      As      Ac      As      Ac      Ac <t< th=""><th>C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 3 3 2 2 L1:L4 Co Co</th><th>Nc As      2      2      4      4        1      3      3      1      LrluBest Favor        Sh As      1      2      4      4        2      3      3      1      MuMu: Trust        As      As      3      2      1        Assurance      Co      As      2      2        Q      3      3      2      1</th><th>Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      Sh        1      3      4      4        2      2      3      1        Sh      Sh      -      -        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      -        3      4      4      -      2      1        Co      Sh      -      <t< th=""><th>Nc      2      3      4      4      1      1      3      2      Concord        Sh      Nc      1      3      4      4      2      1      3      4      4      2      1      3      4      4      2      1      3      4      4      3      1      1      2      L      3      2      L      3      2      L      3      1      2      L      3      1      1      2      L      <tdl< th=""><th>D</th><th>Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        Sh      DI      1      4      2        2      3      3      1        Hamlet      As      DI      2        3      2      1      1        Co      DI      2      1        Co      DI      2      1        3      2      1      2      1        Co      DI      2      3      1        2      4      4      2      3        3      3      1      1      1</th><th>Nc Cm        2      4      4      1        1      3      3      2        LnU:Yield      Sh Cm      1      4      4        1      4      4      1      2      3      2      Big Bully        As Cm      1      4      4      1      3      3      2      2      LoU:Good Enough      Co Cm      2      4      4      1      3      3      2      2      LoU:Good Enough      Co Cm      2      4      4      1      3      3      1      2</th><th>Nc Hr        2      4      4      1        1      2      3      3      D::C        Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3        Crisis Cycle      As Hr      1      2      2      3        L2:L4      Co Hr      2      2      3        L2:L4      Co Hr      3      2      1      3</th><th>Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      As      Ba        1      4      4      2      3      3      2      Ja      Ja</th><th>Nc      Ch        2      4      4      3        1      1      3      2      D::D        Sh      Ch      3      2      1        Sh      Ch      3      2      2        Endless      As      Ch      1      4      3        3      1      2      2      D::C      Co      Ch        2      4      4      3      3      1      2      2        D::C      Co      Ch      2      4      4      3      3      1      2      2        D::C      Co      Ch      2      4      4      3      3      1      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      2      3      1      1      2      2      D:C      Co      Ch      2      4      4      3      3      1      1      2      2      D:C      Ch      2<!--</th--><th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      Threat      3      1        Sh      Pd      1      4      4      3        2      2      3      1      Asym Dilemma        As      Pd      1      4      4      3        3      2      2      1      Alibi      Co      Pd        Co      Pd      2      4      4      3      3      2      2      1        Alibi      Co      Pd      2      4      4      3        Co      Pd      2      4      4      3      3      2      1      1</th></th></tdl<></th></t<></th></t<>	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 3 3 2 2 L1:L4 Co Co	Nc As      2      2      4      4        1      3      3      1      LrluBest Favor        Sh As      1      2      4      4        2      3      3      1      MuMu: Trust        As      As      3      2      1        Assurance      Co      As      2      2        Q      3      3      2      1	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      Sh        1      3      4      4        2      2      3      1        Sh      Sh      -      -        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      -        3      4      4      -      2      1        Co      Sh      - <t< th=""><th>Nc      2      3      4      4      1      1      3      2      Concord        Sh      Nc      1      3      4      4      2      1      3      4      4      2      1      3      4      4      2      1      3      4      4      3      1      1      2      L      3      2      L      3      2      L      3      1      2      L      3      1      1      2      L      <tdl< th=""><th>D</th><th>Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        Sh      DI      1      4      2        2      3      3      1        Hamlet      As      DI      2        3      2      1      1        Co      DI      2      1        Co      DI      2      1        3      2      1      2      1        Co      DI      2      3      1        2      4      4      2      3        3      3      1      1      1</th><th>Nc Cm        2      4      4      1        1      3      3      2        LnU:Yield      Sh Cm      1      4      4        1      4      4      1      2      3      2      Big Bully        As Cm      1      4      4      1      3      3      2      2      LoU:Good Enough      Co Cm      2      4      4      1      3      3      2      2      LoU:Good Enough      Co Cm      2      4      4      1      3      3      1      2</th><th>Nc Hr        2      4      4      1        1      2      3      3      D::C        Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3        Crisis Cycle      As Hr      1      2      2      3        L2:L4      Co Hr      2      2      3        L2:L4      Co Hr      3      2      1      3</th><th>Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      As      Ba        1      4      4      2      3      3      2      Ja      Ja</th><th>Nc      Ch        2      4      4      3        1      1      3      2      D::D        Sh      Ch      3      2      1        Sh      Ch      3      2      2        Endless      As      Ch      1      4      3        3      1      2      2      D::C      Co      Ch        2      4      4      3      3      1      2      2        D::C      Co      Ch      2      4      4      3      3      1      2      2        D::C      Co      Ch      2      4      4      3      3      1      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      2      3      1      1      2      2      D:C      Co      Ch      2      4      4      3      3      1      1      2      2      D:C      Ch      2<!--</th--><th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      Threat      3      1        Sh      Pd      1      4      4      3        2      2      3      1      Asym Dilemma        As      Pd      1      4      4      3        3      2      2      1      Alibi      Co      Pd        Co      Pd      2      4      4      3      3      2      2      1        Alibi      Co      Pd      2      4      4      3        Co      Pd      2      4      4      3      3      2      1      1</th></th></tdl<></th></t<>	Nc      2      3      4      4      1      1      3      2      Concord        Sh      Nc      1      3      4      4      2      1      3      4      4      2      1      3      4      4      2      1      3      4      4      3      1      1      2      L      3      2      L      3      2      L      3      1      2      L      3      1      1      2      L <tdl< th=""><th>D</th><th>Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        Sh      DI      1      4      2        2      3      3      1        Hamlet      As      DI      2        3      2      1      1        Co      DI      2      1        Co      DI      2      1        3      2      1      2      1        Co      DI      2      3      1        2      4      4      2      3        3      3      1      1      1</th><th>Nc Cm        2      4      4      1        1      3      3      2        LnU:Yield      Sh Cm      1      4      4        1      4      4      1      2      3      2      Big Bully        As Cm      1      4      4      1      3      3      2      2      LoU:Good Enough      Co Cm      2      4      4      1      3      3      2      2      LoU:Good Enough      Co Cm      2      4      4      1      3      3      1      2</th><th>Nc Hr        2      4      4      1        1      2      3      3      D::C        Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3        Crisis Cycle      As Hr      1      2      2      3        L2:L4      Co Hr      2      2      3        L2:L4      Co Hr      3      2      1      3</th><th>Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      As      Ba        1      4      4      2      3      3      2      Ja      Ja</th><th>Nc      Ch        2      4      4      3        1      1      3      2      D::D        Sh      Ch      3      2      1        Sh      Ch      3      2      2        Endless      As      Ch      1      4      3        3      1      2      2      D::C      Co      Ch        2      4      4      3      3      1      2      2        D::C      Co      Ch      2      4      4      3      3      1      2      2        D::C      Co      Ch      2      4      4      3      3      1      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      2      3      1      1      2      2      D:C      Co      Ch      2      4      4      3      3      1      1      2      2      D:C      Ch      2<!--</th--><th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      Threat      3      1        Sh      Pd      1      4      4      3        2      2      3      1      Asym Dilemma        As      Pd      1      4      4      3        3      2      2      1      Alibi      Co      Pd        Co      Pd      2      4      4      3      3      2      2      1        Alibi      Co      Pd      2      4      4      3        Co      Pd      2      4      4      3      3      2      1      1</th></th></tdl<>	D	Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        Sh      DI      1      4      2        2      3      3      1        Hamlet      As      DI      2        3      2      1      1        Co      DI      2      1        Co      DI      2      1        3      2      1      2      1        Co      DI      2      3      1        2      4      4      2      3        3      3      1      1      1	Nc Cm        2      4      4      1        1      3      3      2        LnU:Yield      Sh Cm      1      4      4        1      4      4      1      2      3      2      Big Bully        As Cm      1      4      4      1      3      3      2      2      LoU:Good Enough      Co Cm      2      4      4      1      3      3      2      2      LoU:Good Enough      Co Cm      2      4      4      1      3      3      1      2	Nc Hr        2      4      4      1        1      2      3      3      D::C        Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3        Crisis Cycle      As Hr      1      2      2      3        L2:L4      Co Hr      2      2      3        L2:L4      Co Hr      3      2      1      3	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      As      Ba        1      4      4      2      3      3      2      Ja	Nc      Ch        2      4      4      3        1      1      3      2      D::D        Sh      Ch      3      2      1        Sh      Ch      3      2      2        Endless      As      Ch      1      4      3        3      1      2      2      D::C      Co      Ch        2      4      4      3      3      1      2      2        D::C      Co      Ch      2      4      4      3      3      1      2      2        D::C      Co      Ch      2      4      4      3      3      1      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      2      3      1      1      2      2      D:C      Co      Ch      2      4      4      3      3      1      1      2      2      D:C      Ch      2 </th <th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      Threat      3      1        Sh      Pd      1      4      4      3        2      2      3      1      Asym Dilemma        As      Pd      1      4      4      3        3      2      2      1      Alibi      Co      Pd        Co      Pd      2      4      4      3      3      2      2      1        Alibi      Co      Pd      2      4      4      3        Co      Pd      2      4      4      3      3      2      1      1</th>	Nc      Pd        2      4      4      3        1      2      3      1        Threat      Threat      3      1        Sh      Pd      1      4      4      3        2      2      3      1      Asym Dilemma        As      Pd      1      4      4      3        3      2      2      1      Alibi      Co      Pd        Co      Pd      2      4      4      3      3      2      2      1        Alibi      Co      Pd      2      4      4      3        Co      Pd      2      4      4      3      3      2      1      1
H No Ha 2 2 4 4 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C:Ha 2 2 4 4 3 1 2 3 C:Ha 2 2 4 4 3 1 2 3 C:Ha 2 3 C:Ha 2 4 4 3 1 2 4 3 1 2 3 C:Ha 2 4 4 3 1 2 4 3 1 2 3 C:Ha 2 4 4 3 1 2 4 3 1 2 4 C:Ha 2 4 4 3 1 2 4 C:Ha 2 4 4 3 1 2 4 C:Ha 2 4 4 3 1 2 4 C:Ha C:HA	Nc      Pc        2      1      4      4        1      2      3      3        LhLhAid      3      2      3      3        Charity      As      Fc      1      1      4      4        2      2      3      3      Charity      Scharity	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 L1:L3 Co Co 2 1 4 4 3 3 1 2 SafeChoice	Nc As      2      2      4      4        1      3      1      1      1      0.00 </th <th>D Nc Sh 2 3 4 4 1 2 3 1 Anticip. D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 1 3 4 4 3 2 2 1 C::D Co Sh 2 3 4 4 3 2 1 1 C::D</th> <th>Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        1      3      4      4        2      1      3      2        Anticipation      As      Nc        1      3      4      4        3      1      2      2        Ldr.Best Favor      Co      Nc      2        2      3      4      4      3        3      1      2      2      3      4        3      1      1      2      3      4        3      1      1      2      2      3      4      4        3      1      1      2      3      1      1      2</th> <th>D</th> <th>H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1 C::H Co DI 2 4 4 2 3 3 1 1 4 4 2 3 3 1 1 4 4 2 3 3 1 C::L1</th> <th>Nc Cm        2      4      4      1        1      3      2      Luberted        Sh Cm      1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Loberted Condernough        Coor Cm      2      4      4      1        3      3      1      2</th> <th>Nc Hr        2      4      1        1      2      3      3        D::C      Sh Hr      1      2      3        Crisis Cycle      As Hr      1      4      4      1        3      2      2      3      L      L      L        As Hr      1      4      4      1      3      2      2      3        L2:L4      Co Hr      C      4      4      1      3      2      1      3        Pursuit      D      H      1      3      2      1      3</th> <th>C Nc Ba 2 4 4 2 1 1 3 3 Samson Sh Ba 1 4 4 2 2 1 3 3 Inspector As Ba 1 4 4 2 3 1 2 3 Loth:Clock ∪ 3 Coo Ba 2 4 4 2 3 1 1 3 Quasi Cyclic</th> <th>Nc Ch        2      4      4      3        1      1      3      2      D::D        Sh Ch      1      4      4      3        2      1      3      2      Endless        As Ch      1      4      4      3        3      1      2      2      D::C        Co Ch      2      4      4      3        3      1      1      2      Biased Cycle</th> <th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      -      -      -        Sh      Pd      -      -      -        1      4      4      3      -      -        Asym Dilemma      As      Pd      -      -      -        Aibi      -<!--</th--></th>	D Nc Sh 2 3 4 4 1 2 3 1 Anticip. D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 1 3 4 4 3 2 2 1 C::D Co Sh 2 3 4 4 3 2 1 1 C::D	Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        1      3      4      4        2      1      3      2        Anticipation      As      Nc        1      3      4      4        3      1      2      2        Ldr.Best Favor      Co      Nc      2        2      3      4      4      3        3      1      2      2      3      4        3      1      1      2      3      4        3      1      1      2      2      3      4      4        3      1      1      2      3      1      1      2	D	H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1 C::H Co DI 2 4 4 2 3 3 1 1 4 4 2 3 3 1 1 4 4 2 3 3 1 C::L1	Nc Cm        2      4      4      1        1      3      2      Luberted        Sh Cm      1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Loberted Condernough        Coor Cm      2      4      4      1        3      3      1      2	Nc Hr        2      4      1        1      2      3      3        D::C      Sh Hr      1      2      3        Crisis Cycle      As Hr      1      4      4      1        3      2      2      3      L      L      L        As Hr      1      4      4      1      3      2      2      3        L2:L4      Co Hr      C      4      4      1      3      2      1      3        Pursuit      D      H      1      3      2      1      3	C Nc Ba 2 4 4 2 1 1 3 3 Samson Sh Ba 1 4 4 2 2 1 3 3 Inspector As Ba 1 4 4 2 3 1 2 3 Loth:Clock ∪ 3 Coo Ba 2 4 4 2 3 1 1 3 Quasi Cyclic	Nc Ch        2      4      4      3        1      1      3      2      D::D        Sh Ch      1      4      4      3        2      1      3      2      Endless        As Ch      1      4      4      3        3      1      2      2      D::C        Co Ch      2      4      4      3        3      1      1      2      Biased Cycle	Nc      Pd        2      4      4      3        1      2      3      1        Threat      -      -      -        Sh      Pd      -      -      -        1      4      4      3      -      -        Asym Dilemma      As      Pd      -      -      -        Aibi      - </th
H No Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C:H Co Ha 2 2 4 4 3 1 1 3 Po Ha	Nc      Pc        2      1      4      4        1      2      3      3        Lrith:Aid      3      2      2      3        Charity      As      Pc      1      1      4      4        3      2      2      3      3      charity      As      Pc        1      1      4      4      3      2      2      3        Loth:Enable      Co      Pc      2      1      4      4        3      2      1      3      2      1      3        Pc      Pc      Pc      Pc      Pc      Pc	C Nc Co 2 1 4 4 1 3 3 2 C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 3 3 1 2 Safe Choice Pc Co	Nc As      2      2      4      4        1      3      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      2      4      4      3      3      1      1      MuMu: Trust      Assurance      Co As      2      2      4      4      3      3      2      1      Assurance      Co As      2      2      4      4      3      3      1      1      Pure Selection      Pc As      5	D Nc Sh 2 3 4 4 1 2 3 1 Anticip.D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 3 2 2 1 C::D Co Sh 2 3 4 4 3 2 1 1 Pc Sh	Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        1      3      4      4        2      1      3      2        Anticipation      As      Nc      1        1      3      4      4        3      1      2      2        Lobr/Best Favor      Co      Nc        2      3      4      4        3      1      2      2        Lobr/Best Favor      Co      Nc      3        2      3      4      4        3      1      1      2	D	Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        1      4      4      2        3      3      1      Hamlet        As      DI      1      4      2        3      3      2      1      Co      DI        2      4      4      2      3      3      1      1        Co      DI      2      4      4      2      3      3      1      1        Pc      DI      2      1      1      1      1      1	Nc Cm        2      4      4      1        1      3      3      2        LnUk:Yield      Sh Cm      1      4      4      1        2      3      3      2      Big Bully      As Cm      1      4      4      1        3      3      2      2      LoUk:Good Enough      Co Cm      2      4      4      1        3      3      1      2      3      1      2        Pc Cm      Cm      2      4      4      1	Nc Hr        2      4      1        1      2      3      3        D:::C      Sh Hr      1      2      3        1      4      4      1      2      2      3        Crisis Cycle      As Hr      1      3      2      2      3        L2:L4      Co Hr      2      1      3      2      1      3        Pursuit      Pc Hr      H      1      3      2      1      3	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      As      Ba        1      4      4      2      3      1      2      3      Jub/Clock      O        Co      Ba      2      3      1      3      Quasi Cyclic      Pc      Ba	Nc      Ch        2      4      4      3        1      1      3      2      D::D        Sh      Ch      1      3      2        Endless      As      Ch      1      4      3        As      Ch      Ch      4      4      3      3      1      2      2      D::D      Co      Ch      2      4      4      3      3      1      2      2      D::C      Co      Ch      2      4      4      3      3      1      2      2      D::C      Co      Ch      2      4      3      3      1      1      2      Biased      Cycle      Pc      Ch      Ch      2      2      D::C      Co      Ch      2      4      3      3      1      1      2      Biased      Cycle      Pc      Ch      Ch      2      Ch      Ch      2      Ch      2      Ch      2      Ch      2      Ch      2 <t< th=""><th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      Sh      Pd      1        4      4      3      2      2      3      1        Asym Dilemma      Asym Collemma      Asym Dilemma      Asym Dilemma</th></t<>	Nc      Pd        2      4      4      3        1      2      3      1        Threat      Sh      Pd      1        4      4      3      2      2      3      1        Asym Dilemma      Asym Collemma      Asym Dilemma
H No Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C::H Co Ha 2 2 4 4 3 1 1 3 Pc Ha 3 2 4 4	Nc      Pc        2      1      4      4        1      2      3      3        LnUhAid      Sh      Pc      1      1      4      4        2      2      3      3      Charity      As      Pc      1      1      4      4      3      2      2      3      3      LoUhEnable      Co      Pc      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      3      1      4      4      3      2      1      3      3      1      4      4      3      2      1      3      3      1      4      4      4      4      4      3      3      1      4      4      4      4      4      4      4      4      4      4      4      4 <td< th=""><th>C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 2 3 3 2 L1:L3 Co Co 2 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 3 3 1 2 Safe Choice Pc Co 3 1 4 4</th><th>Nc As      2      2      4      4        1      3      3      1      LrlubBest Favor        Sh As      1      2      4      4        2      3      3      1      2        MuMurTust      As      As      1      2      4        3      3      2      1      Assurance        Co      As      2      2      4      4        3      3      2      1      Assurance      Co      As      2      2      4      4      3      3      1      1      Due Selection      Due Selection      Pc      As      3      2      4      4      3      3      2      4      4      3      3      1      1      1      1      1      1      1      1      1      1      1      1      1      1      3      2      4      4      3      2      4      4      4      3      3      2      4      4      4</th><th>Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      2      2      1        Co      Sh      2      2      1        Co      Sh      2      1      1        Pc      Sh      3      3      4      4</th><th>Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1      3      4      4        2      1      3      2      Anticipation      As      Nc        1      3      4      4      3      1      2      2        1      3      4      4      3      1      2      2        LobuBest Favor      Co      Nc      2      3      4      4        3      1      1      2      2      3      4      4        3      1      1      2      2      3      4      4        3      1      1      2      2      3      4      4        3      1      1      2      2      3      4      4</th><th>D</th><th>Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        1      4      4      2        3      3      1        Hamlet      As      DI        1      4      4      2        3      3      1        Co      DI      C      C        2      4      4      2        3      3      1      1        Pc      DI      2      4      2        3      3      1      1</th><th>Nc Cm        2      4      4      1        1      3      3      2        LnUk:Yield      J      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LoUk:Good Enough      1      4      4      1        3      3      2      2      LoUk:Good Enough      1      3      3      2      2        LoUk:Good Enough      Co      Cm      2      4      4      1        3      3      1      2      2      4      4      1        3      3      1      2      3      3      1      2        Pc Cm      3      3      4      4      1      3      3      2</th><th>Nc Hr        2      4      1        1      2      3      3        D:::C      Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3      3        Crisis Cycle      As Hr      1      3      2      2      3      L2:L4        Co Hr      2      4      4      1      3      2      1      3        Pursuit      Pc Hr      3      4      4      1      3      4      4      1</th><th>Nc      Ba        2      4      4      2        1      1      3      3        Samou      Samou      Samou      Samou        Sh      Ba      1      4      4      2        2      1      3      3      inspector      As      Ba        1      4      4      2      3      3      Ja      Ja      Ja        3      1      2      3      Labit/Clock      U      Co      Ba      2      Ja      Ja</th><th>Nc      I        2      4      3        1      1      3      2        D::D      D::D      D        Sh      Ch      1      4      3        1      1      4      3      2        Endless      As      Ch      1      4      4      3        1      4      4      3      2      D      D::D      D      D::D      D      D::D      D      1      4      4      3      3      1      2      D      D::C      C      C      C      C      C      D      ::D      D::C      C      1      4      4      3      3      1      1      2      2      Biased      C/c      E      Biased      C/c      G      3      4      4      3      3      4      4      3      3      4      3      3      4      3      3      4      3      3      4      3      3      4      3      <td< th=""><th>Nc      Pd        2      4      4      3        1      2      3      1        Three      Image: Sharp of the s</th></td<></th></td<>	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 2 3 3 2 L1:L3 Co Co 2 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 3 3 1 2 Safe Choice Pc Co 3 1 4 4	Nc As      2      2      4      4        1      3      3      1      LrlubBest Favor        Sh As      1      2      4      4        2      3      3      1      2        MuMurTust      As      As      1      2      4        3      3      2      1      Assurance        Co      As      2      2      4      4        3      3      2      1      Assurance      Co      As      2      2      4      4      3      3      1      1      Due Selection      Due Selection      Pc      As      3      2      4      4      3      3      2      4      4      3      3      1      1      1      1      1      1      1      1      1      1      1      1      1      1      3      2      4      4      3      2      4      4      4      3      3      2      4      4      4	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      2      2      1        Co      Sh      2      2      1        Co      Sh      2      1      1        Pc      Sh      3      3      4      4	Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1      3      4      4        2      1      3      2      Anticipation      As      Nc        1      3      4      4      3      1      2      2        1      3      4      4      3      1      2      2        LobuBest Favor      Co      Nc      2      3      4      4        3      1      1      2      2      3      4      4        3      1      1      2      2      3      4      4        3      1      1      2      2      3      4      4        3      1      1      2      2      3      4      4	D	Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        1      4      4      2        3      3      1        Hamlet      As      DI        1      4      4      2        3      3      1        Co      DI      C      C        2      4      4      2        3      3      1      1        Pc      DI      2      4      2        3      3      1      1	Nc Cm        2      4      4      1        1      3      3      2        LnUk:Yield      J      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LoUk:Good Enough      1      4      4      1        3      3      2      2      LoUk:Good Enough      1      3      3      2      2        LoUk:Good Enough      Co      Cm      2      4      4      1        3      3      1      2      2      4      4      1        3      3      1      2      3      3      1      2        Pc Cm      3      3      4      4      1      3      3      2	Nc Hr        2      4      1        1      2      3      3        D:::C      Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3      3        Crisis Cycle      As Hr      1      3      2      2      3      L2:L4        Co Hr      2      4      4      1      3      2      1      3        Pursuit      Pc Hr      3      4      4      1      3      4      4      1	Nc      Ba        2      4      4      2        1      1      3      3        Samou      Samou      Samou      Samou        Sh      Ba      1      4      4      2        2      1      3      3      inspector      As      Ba        1      4      4      2      3      3      Ja      Ja      Ja        3      1      2      3      Labit/Clock      U      Co      Ba      2      Ja	Nc      I        2      4      3        1      1      3      2        D::D      D::D      D        Sh      Ch      1      4      3        1      1      4      3      2        Endless      As      Ch      1      4      4      3        1      4      4      3      2      D      D::D      D      D::D      D      D::D      D      1      4      4      3      3      1      2      D      D::C      C      C      C      C      C      D      ::D      D::C      C      1      4      4      3      3      1      1      2      2      Biased      C/c      E      Biased      C/c      G      3      4      4      3      3      4      4      3      3      4      3      3      4      3      3      4      3      3      4      3      3      4      3 <td< th=""><th>Nc      Pd        2      4      4      3        1      2      3      1        Three      Image: Sharp of the s</th></td<>	Nc      Pd        2      4      4      3        1      2      3      1        Three      Image: Sharp of the s
No Ha    2  2  4  4    1  3  3    L3:L4  Sh Ha    1  2  4  4    2  1  3  3    As Ha  1  2  4  4    3  1  2  3    Co Ha  2  2  4  4    3  1  1  3    Po Ha  3  2  2  4    1  1  1  1	Nc      Pc        2      1      4      4        1      2      3      3        LuthAid      -      -      -        1      1      4      4      2        2      3      3      Charity      -        As      2      2      3      -        I      1      4      4      -        3      2      2      3      -        LothEnable      Co      Co      -      -        Co      Co      Co      -      -      -        3      2      1      3      -      1      -        Co      Co      Co      -	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 3 3 1 2 Safe Choice Pc Co 3 1 4 4 2 3 1 2	Nc As      2      2      4      4      1      3      3      1      LrluBest Favor        Sh As      1      2      4      4      2      3      3      1        Multur Trust      As      As      3      2      1      As      As      4      4      3      3      2      1      Assurance      Co      As      2      2      4      4      3      3      1      1      Pure Selection      Pc      As      3      3      1      1      Pure Selection      Pc      As      3      2      4      4      3      3      1      1      Pure Selection      Pc      As      3      2      4      4      3      3      1      1      Pure Selection      Pc      As      3      2      4      4      3      3      2      4      4      3      3      1      1      Pc      As      3      3      1      1      3      3      1      1	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      D      Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      2      2      1        Co      Sh      2      2      1        Co      Sh      3      2      1      1        Pc      Sh      3      3      4      4        3      2      1	Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        1      3      4      4        2      1      3      2        Anticipation      As      Nc        1      3      4      4        3      1      2      2        Lint:Best Favor      Co      Nc        2      3      4      4        3      1      1      2        2      3      4      4        3      1      1      2        Pc      Nc      3      3      4        2      1      1      2	D	Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        Sh      DI      1      4      2        1      4      4      2      3      3      1        Hamlet      As      DI      2      3      2      1        Co      DI      C::H      C::H      2      3      3      1        Co      DI      2      4      4      2      3      3      1      1        Co      DI      2      4      4      2      3      3      1      1        Pc      DI      3      4      4      2      3      1      1	Nc Cm        2      4      4      1        1      3      3      2        LnUk-Yield	Nc Hr        2      4      4      1        1      2      3      3      D::C        Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3        Crisis Cycle      As Hr      1      4      1      3      2      2      3        L2:L4      Co Hr      2      4      4      1      3      2      1      3        Pursuit      Pc Hr      3      4      4      1      2      2      1      3	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      As      Ba        1      4      4      2      3      3      Inspector      As      Ba        1      4      4      2      3      1      2      3      Inspector      Go      Ba      Co      Ba      2      4      4      2      3      1      1      3      Quasi Cycolic      Go      Ba      Go      Ba      Sa      1      1      3      Quasi Cycolic      Go      Ba      4      2      3      1      3      3      4      4      2      3      4      2      1      3      3      4      4      2      1      3      3      4      4      2      1      3      <	Nc      Ch        2      4      4      3        1      1      3      2      D::D        Sh      Ch      3      2      1        3      1      1      3      2      2        Endless      As      Ch      1      4      4      3        3      1      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      Biased Cycle      Pc      Ch      3      4      4      3      2      1      1      2      1      1      2      1      1      2      2      D::C      Ch	Nc      Pd        2      4      4      3        1      2      3      1        Threat      Threat      3      1        Sh      Pd      1      4      4      3        2      2      3      1      Asym Dilemma      As      Pd      1      4      4      3      3      2      2      1      Alibiti      Co      Pd      2      4      4      3      3      2      1      1      Revelation      Pc      Pd      3      4      4      3      2      2      1      1        Revelation      Pc      Pd      3      4      4      3      2      2      1      1
H No Ha 2 2 4 4 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C::H Co Ha 2 2 4 4 3 1 1 3 Pc Ha 3 2 4 4 2 1 3 3 Hightarrow Ha Co	Nc      Pc        2      1      4      4        1      2      3      3        JuhthAid      3      2      3      3        Charity      As      Pc      1      1      4      4        2      2      3      3      Charity      3      3      3      1      1      4      4      3      2      2      3      3      LathEnable      ContEnable	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 3 3 1 2 Safe Choice Pc Co 3 1 4 4 2 3 1 2 H::C	Nc As      2      2      4      4        1      3      3      1        LnLoBest Favor      Sh      4      4        2      3      3      1        MuMu: Trust      As      As      1      2        As      As      1      2      4      4        3      3      2      1      Assurance        Co      As      2      2      4      4        3      3      1      1      Pure Selection      Pc      As      3      1      1      PULOE: nable      1      1      PuloE: nable      1      1      PuloE: nable      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      5        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        1      3      4      4        3      2      2      1        Co      Sh      3      4        3      2      2      1        Co      Sh      3      4      4        3      2      1      1      1        Pc      Sh      3      3      4      4        2      3      4      4      2      1      1        L2:L3      1      1      L2:L3      1      1	Nc      2      3      4      4        1      1      3      2        Concord      Sh      Nc        1      3      4      4        2      1      3      2        Anticipation      As      Nc        1      3      4      4        3      1      2      2        LohnBest Favor      Co      Nc      3        2      3      4      4        3      1      1      2        Pc      Nc      3      4      4        3      1      1      2        LinnAid      1      1      2      1      1	D	H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet AS DI 1 4 4 2 3 3 2 1 C:H C DI 2 4 4 2 3 3 1 1 Pc DI 3 4 4 2 1 4 4 2 3 3 1 1 Hamlet C:H C DI 2 4 4 2 3 3 1 C H C DI 3 4 4 2 1 4 2 1 4 4 2 1 1 4 H:H	Nc Cm        2      4      4      1        1      3      2      Luk:Yield        Sh Cm      1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Luk:Good Enough        Co Cm      2      4      4      1        3      3      1      2        Pc Cm      3      4      1        2      3      1      2        Pc Cm      3      1      2        UNU:Tited      1      2      3      1	Nc Hr        2      4      1        1      2      3      3        D::C      Sh Hr      1      2      3        Crisis Cycle      As Hr      1      4      4      1        2      2      3      3      L2:L4      Co Hr      2      2      3      L2:L4        Co Hr      2      4      4      1      3      2      1      3        2      4      4      1      3      2      1      3        Pursuit      Pc Hr      3      4      4      1      2      2      3        H::C      H::C      H      3      4      1      3      4      1      3      4      1      3      4      1      3      1      3      H::C      1      3      4      4      1      3      1      3      1      3      1      3      1      3      1      3      3      4      4      1      3 <th>Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      3      3        Inspector      As      Ba      1        4      4      2      3      3        Inspector      As      Ba      1        4      4      2      3      1        2      4      4      2      3        2      4      4      2      3      1      3        Quasi Cyclic      Pc      Ba      3      4      2      2      1      3        Ubb/Disadventage      3      1      3      3      Ubb/Disadventage</th> <th>Nc      I        2      4      4      3        1      1      3      2      D::D        Sh      Ch      1      4      3        2      1      3      2      Endless        As      Ch      1      4      4      3        3      1      2      2      D::C      Co      Co      Ch      2      4      4      3      3      1      2      2      D::C      Co      Co      Ch      3      3      1      1      2      Biased      Cycle      Pc      Ch      3      3      1      1      2      Biased      Cycle      Pc      Ch      3      2      1      1      2      L2:L3      L2:L3      L2:L3      L2:L3      L3      <td< th=""><th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      -      -      -        Sh      Pd      -      -      -        1      4      4      3      -      -        Asym Dilemma      -      -      -      -      -        Asym Dilemma      -      &lt;</th></td<></th>	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      3      3        Inspector      As      Ba      1        4      4      2      3      3        Inspector      As      Ba      1        4      4      2      3      1        2      4      4      2      3        2      4      4      2      3      1      3        Quasi Cyclic      Pc      Ba      3      4      2      2      1      3        Ubb/Disadventage      3      1      3      3      Ubb/Disadventage	Nc      I        2      4      4      3        1      1      3      2      D::D        Sh      Ch      1      4      3        2      1      3      2      Endless        As      Ch      1      4      4      3        3      1      2      2      D::C      Co      Co      Ch      2      4      4      3      3      1      2      2      D::C      Co      Co      Ch      3      3      1      1      2      Biased      Cycle      Pc      Ch      3      3      1      1      2      Biased      Cycle      Pc      Ch      3      2      1      1      2      L2:L3      L2:L3      L2:L3      L2:L3      L3      L3 <td< th=""><th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      -      -      -        Sh      Pd      -      -      -        1      4      4      3      -      -        Asym Dilemma      -      -      -      -      -        Asym Dilemma      -      &lt;</th></td<>	Nc      Pd        2      4      4      3        1      2      3      1        Threat      -      -      -        Sh      Pd      -      -      -        1      4      4      3      -      -        Asym Dilemma      -      -      -      -      -        Asym Dilemma      -      <
H Nc Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C:H Co Ha 2 2 4 4 3 1 1 3 Pc Ha 3 2 4 4 2 1 1 3 H:H Ha Ha	Nc      Pc        2      1      4      4        1      2      3      3        unthAid      3      2      3      3        Charity      As      Pc      1      1      4      4        2      2      3      3      Charity      As      Pc      1      1      4      4      3      2      2      3      JoUNEnable      Co      Pc      2      1      3      2      1      3      3      2      1      3      3      2      1      3      3      3      2      1      3      3      3      3      3      3      3      2      1      3      3      3      3      3      3      3      3      3      3      3      3      3      2      1      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 Co Co 2 1 4 4 Co Co 2 1 4 4 Co H:CO	Nc As        2      2      4      4        1      3      3      1        LrL0xBest Favor      Sh As      1      2      4      4        2      3      3      1      MuMuLTrust        Ass As      1      2      4      4        3      3      2      1      Assurance        Co As      2      2      4      4        3      3      1      1      Pure Selection        Pcc As      3      1      1      Pure Selection        Pcc As      3      2      4      4        3      2      4      4      2      3      1      1        Pure Selection      Pcc As      3      1<	D Nc Sh 2 3 4 4 1 2 3 1 Anticip. D::D Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 3 4 4 3 2 2 1 C::D Co Sh 2 3 4 4 3 2 1 1 Pc Sh 3 3 4 4 2 2 1 1 L2:L3 Ha Sh	Nc      I        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        1      3      4      4        2      1      3      2        Anticipation      As      Nc        1      3      4      4        3      1      2      2        Labr.Best Favor      Co      Nc      2        2      3      4      4      3        3      1      1      2      2        Quest Favor      Co      Nc      2      3        3      1      1      2      2        Pc      Nc      S      4      4        3      1      1      2      2        Unit Add      Ha      Nc      Ha      Nc	D C	H NC DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet A S DI 1 4 4 2 3 3 2 1 C:H Co DI 2 4 4 2 3 3 1 1 PC DI 2 4 4 2 3 3 1 1 PC DI 3 4 2 3 3 1 1 HERRICAN CO DI 2 4 4 2 3 3 1 1 CO DI 3 4 1 2 3 7 1 1 CO DI 3 4 1 2 3 7 1 1 CO DI 2 4 4 2 2 3 1 1 HEIH Ha DI	Nc Cm        2      4      4      1        1      3      2      Luk:Yield        Sh Cm      1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Luk:Good Enough        Co Cm      2      4      4      1        3      3      1      2      2        Pc Cm      3      1      2        Pc Cm      3      4      4      1        2      3      1      2      2        Unik:Titled      Ha Cm      1      3      1	Nc Hr        2      4      1        1      2      3      3        D:::C      Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      4      4      1        3      2      2      3      3      L2:L4        Co Hr      2      4      4      1        3      2      1      3      Pursuit        Pc Hr      3      4      4      1        2      1      3      H::C      Ha Hr	Nc      Ba        2      4      4      2        1      1      3      3        Samoun      Samoun      Samoun      3        Sh      Ba      1      4      4      2        2      1      3      3      Inspector      As      Ba        1      4      4      2      3      1      2      3      1      4      2      3      1      2      3      1      1      3      Quasic Cyclic      O      Co      Ba      2      3      1      1      3      Quasic Cyclic      Pc      Ba      3      4      2      2      1      1      3      Quasic Cyclic      Pc      Ba      ShibbDisadvartage      Ha      Ba      A	Nc      I        2      4      3        1      1      3      2        Sh      Ch      1      3      2        I      1      4      3      2      1        I      4      4      3      2      1      3      2        Endless      As      Ch      1      1      2      2      D:::Co      Ch      2      4      3      3      1      2      2      D:::Co      Ch      2      4      3      3      1      1      2      Biased      Cycle      Pc Ch      3      4      3      2      1      1      2      L2:L3      Ha      Ch      1      1      1      2      L2:L3      Ha      Ch      1      1      1      1      1      1      2      1      1      2      L2:L3      L2:L3      L3      L3 <t< th=""><th>Nc      Pd        2      4      4      3        1      2      3      1        Threat      Image: Color of the state of the s</th></t<>	Nc      Pd        2      4      4      3        1      2      3      1        Threat      Image: Color of the state of the s
H No Ha 2 2 4 4 1 1 3 3 L3:L4 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 C::H Co Ha 2 2 4 4 3 1 1 3 Po Ha 3 2 4 4 2 1 1 3 H:H Ha Ha 3 2 4 4	Nc      Pc        2      1      4      4        1      2      3      3        LnUhAid      Sh      Pc      1      1      4      4        2      2      3      3      Charity      As      Pc        1      1      4      4      3      2      1      3      2      3      3      LoUhEnable        Co      Pc      Co      Pc      2      1      3      3      2      1      3      4      4      2      2      1      3 <b>Pc</b> Pc      3      1      4      4      2      2      1      3 <b>Peace</b> Ha      Pc      3      1      4      4      3      3      1      4      4      3      3      1      4      4      2      2      1      3      1      4      4      3      2      1      3      1      4      4      2      2      1      3      3 <th>C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 2 3 3 2 L1L3 Co Co 2 1 4 4 3 3 2 2 L1L3 Co Co 2 1 4 4 3 3 1 2 Pc Co 3 1 4 4 2 3 1 2 H::C Ha Co 3 1 4 4</th> <th>Nc As        2      2      4      4        1      3      1      LrluBest Favor        Sh As      1      2      4      4        2      3      3      1      2      4        2      3      3      1      1      MuMurTust        Ass      As      1      2      4      4        3      3      2      4      4        3      3      2      4      4        3      3      2      4      4        3      3      2      4      4        3      3      1      1      Pure Selection        Pcc As      3      2      4      4        2      3      1      1      Unit Original        Unit Original      1      1      1      1      1        Unit Original      1      1      1      1      1        Unit Original      3      2      4      4      3      3</th> <th>Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      1      3      4      4        2      2      3      1      Sh      1      3      4      4        2      2      3      1      Stag Hunt      As      Sh      1      3      4      4      3      2      2      1      1      C::D      Co      Sh      2      2      1      1      1      0      C::D      Co      Sh      2      2      1</th> <th>Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        1      3      4      4        2      1      3      2        Anticipation      As      Nc      1        3      1      2      2      3        LounBest Favor      Co      Nc      2      3      4      4        3      1      1      2      1      1      2        Pc      Nc      3      3      4      4      4      2      1      1      2        UnitAdit      Ha      Nc      3      3      4      4      3      3      4      4      3      3      4      4      3      3      4      4      3      4      4      3      3      4      4      3      3      4      4      3      3      4      4      3      3      4      <t< th=""><th>D C</th><th>Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        1      4      4      2        2      3      3      1        Hamlet      As      DI      1        As      DI      1      4      2        3      3      1      T      Co        2      4      4      2      3      3      1      1        Co      DI      2      4      4      2      3      3      1      1        Pc      DI      3      4      4      2      3      1      1        Pc      DI      3      4      4      2      3      1      1        Hamlet      Hamlet      Hamlet      Hamlet      1      3      3      1      1        S      4      4      2      3      4      2      3      3      4<!--</th--><th>Nc Cm        2      4      4      1        1      3      3      2        LnUxYied      J      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LoUxGood Enough      2      2      4      4      1        3      3      2      2      LoUxGood Enough      2      2      4      4      1        3      3      1      2      3      1      2        Pc Cm      3      4      4      1      2      3      1      2        UNUxTited      Haa Cm      3      4      4      1</th><th>Nc Hr        2      4      4        1      2      3      3        D::C      Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3      3        Crisis Cycle      As Hr      1      3      2      2      3      L2:L4        Co Hr      2      4      4      1      3      2      1      3        Pursuit      Pc Hr      3      4      4      1      2      1      3      H::L2      L3      H:Hr      2      4      4      1      3      2      1      3      H:L2:L4      L2:L4      L3      L2:L4      L3      L3:L3      L3:L3</th><th>Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      inspector      As      Ba        1      4      4      2      3      3      Ja      Ja      2      Ja      Ja</th><th>Nc      Ch        2      4      3        1      1      3      2        D::D      D::D      D        Sh      Ch      3      2        1      4      4      3      2        I      4      4      3      2        Endless      As      Ch      1      4      4      3        3      1      4      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      Biased      Cycle      Biased      Cycle      S      4      4      3      2      1      1      2      L</th><th>Nc      Pd        2      4      4      3        1      2      3      1        Thread      3      1      4      3        2      2      3      1      4      3        2      2      3      1      4      4      3        4      4      3      2      2      1      1        Aibi      Co      Pd      2      4      3      3      2      1      1        Aibi      Co      Pd      2      4      4      3      3      2      1      1        Revelation      Pc      J      1      4      4      3      3      2      1      1        No      Z      1      1      1      4      3      2      2      1      1        Revelation      Hered      3      2      2      1      1      1      1      1      1      1      1      1      1      1</th></th></t<></th>	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 2 3 3 2 L1L3 Co Co 2 1 4 4 3 3 2 2 L1L3 Co Co 2 1 4 4 3 3 1 2 Pc Co 3 1 4 4 2 3 1 2 H::C Ha Co 3 1 4 4	Nc As        2      2      4      4        1      3      1      LrluBest Favor        Sh As      1      2      4      4        2      3      3      1      2      4        2      3      3      1      1      MuMurTust        Ass      As      1      2      4      4        3      3      2      4      4        3      3      2      4      4        3      3      2      4      4        3      3      2      4      4        3      3      1      1      Pure Selection        Pcc As      3      2      4      4        2      3      1      1      Unit Original        Unit Original      1      1      1      1      1        Unit Original      1      1      1      1      1        Unit Original      3      2      4      4      3      3	Nc      Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      1      3      4      4        2      2      3      1      Sh      1      3      4      4        2      2      3      1      Stag Hunt      As      Sh      1      3      4      4      3      2      2      1      1      C::D      Co      Sh      2      2      1      1      1      0      C::D      Co      Sh      2      2      1	Nc      Nc        2      3      4      4        1      1      3      2        Concord      Sh      Nc      1        1      3      4      4        2      1      3      2        Anticipation      As      Nc      1        3      1      2      2      3        LounBest Favor      Co      Nc      2      3      4      4        3      1      1      2      1      1      2        Pc      Nc      3      3      4      4      4      2      1      1      2        UnitAdit      Ha      Nc      3      3      4      4      3      3      4      4      3      3      4      4      3      3      4      4      3      4      4      3      3      4      4      3      3      4      4      3      3      4      4      3      3      4 <t< th=""><th>D C</th><th>Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        1      4      4      2        2      3      3      1        Hamlet      As      DI      1        As      DI      1      4      2        3      3      1      T      Co        2      4      4      2      3      3      1      1        Co      DI      2      4      4      2      3      3      1      1        Pc      DI      3      4      4      2      3      1      1        Pc      DI      3      4      4      2      3      1      1        Hamlet      Hamlet      Hamlet      Hamlet      1      3      3      1      1        S      4      4      2      3      4      2      3      3      4<!--</th--><th>Nc Cm        2      4      4      1        1      3      3      2        LnUxYied      J      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LoUxGood Enough      2      2      4      4      1        3      3      2      2      LoUxGood Enough      2      2      4      4      1        3      3      1      2      3      1      2        Pc Cm      3      4      4      1      2      3      1      2        UNUxTited      Haa Cm      3      4      4      1</th><th>Nc Hr        2      4      4        1      2      3      3        D::C      Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3      3        Crisis Cycle      As Hr      1      3      2      2      3      L2:L4        Co Hr      2      4      4      1      3      2      1      3        Pursuit      Pc Hr      3      4      4      1      2      1      3      H::L2      L3      H:Hr      2      4      4      1      3      2      1      3      H:L2:L4      L2:L4      L3      L2:L4      L3      L3:L3      L3:L3</th><th>Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      inspector      As      Ba        1      4      4      2      3      3      Ja      Ja      2      Ja      Ja</th><th>Nc      Ch        2      4      3        1      1      3      2        D::D      D::D      D        Sh      Ch      3      2        1      4      4      3      2        I      4      4      3      2        Endless      As      Ch      1      4      4      3        3      1      4      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      Biased      Cycle      Biased      Cycle      S      4      4      3      2      1      1      2      L</th><th>Nc      Pd        2      4      4      3        1      2      3      1        Thread      3      1      4      3        2      2      3      1      4      3        2      2      3      1      4      4      3        4      4      3      2      2      1      1        Aibi      Co      Pd      2      4      3      3      2      1      1        Aibi      Co      Pd      2      4      4      3      3      2      1      1        Revelation      Pc      J      1      4      4      3      3      2      1      1        No      Z      1      1      1      4      3      2      2      1      1        Revelation      Hered      3      2      2      1      1      1      1      1      1      1      1      1      1      1</th></th></t<>	D C	Nc      DI        2      4      4      2        1      3      3      1        G      L1:L2      Sh      DI        1      4      4      2        2      3      3      1        Hamlet      As      DI      1        As      DI      1      4      2        3      3      1      T      Co        2      4      4      2      3      3      1      1        Co      DI      2      4      4      2      3      3      1      1        Pc      DI      3      4      4      2      3      1      1        Pc      DI      3      4      4      2      3      1      1        Hamlet      Hamlet      Hamlet      Hamlet      1      3      3      1      1        S      4      4      2      3      4      2      3      3      4 </th <th>Nc Cm        2      4      4      1        1      3      3      2        LnUxYied      J      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LoUxGood Enough      2      2      4      4      1        3      3      2      2      LoUxGood Enough      2      2      4      4      1        3      3      1      2      3      1      2        Pc Cm      3      4      4      1      2      3      1      2        UNUxTited      Haa Cm      3      4      4      1</th> <th>Nc Hr        2      4      4        1      2      3      3        D::C      Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3      3        Crisis Cycle      As Hr      1      3      2      2      3      L2:L4        Co Hr      2      4      4      1      3      2      1      3        Pursuit      Pc Hr      3      4      4      1      2      1      3      H::L2      L3      H:Hr      2      4      4      1      3      2      1      3      H:L2:L4      L2:L4      L3      L2:L4      L3      L3:L3      L3:L3</th> <th>Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      inspector      As      Ba        1      4      4      2      3      3      Ja      Ja      2      Ja      Ja</th> <th>Nc      Ch        2      4      3        1      1      3      2        D::D      D::D      D        Sh      Ch      3      2        1      4      4      3      2        I      4      4      3      2        Endless      As      Ch      1      4      4      3        3      1      4      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      Biased      Cycle      Biased      Cycle      S      4      4      3      2      1      1      2      L</th> <th>Nc      Pd        2      4      4      3        1      2      3      1        Thread      3      1      4      3        2      2      3      1      4      3        2      2      3      1      4      4      3        4      4      3      2      2      1      1        Aibi      Co      Pd      2      4      3      3      2      1      1        Aibi      Co      Pd      2      4      4      3      3      2      1      1        Revelation      Pc      J      1      4      4      3      3      2      1      1        No      Z      1      1      1      4      3      2      2      1      1        Revelation      Hered      3      2      2      1      1      1      1      1      1      1      1      1      1      1</th>	Nc Cm        2      4      4      1        1      3      3      2        LnUxYied      J      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LoUxGood Enough      2      2      4      4      1        3      3      2      2      LoUxGood Enough      2      2      4      4      1        3      3      1      2      3      1      2        Pc Cm      3      4      4      1      2      3      1      2        UNUxTited      Haa Cm      3      4      4      1	Nc Hr        2      4      4        1      2      3      3        D::C      Sh Hr      1      2      3      3        Crisis Cycle      As Hr      1      2      2      3      3        Crisis Cycle      As Hr      1      3      2      2      3      L2:L4        Co Hr      2      4      4      1      3      2      1      3        Pursuit      Pc Hr      3      4      4      1      2      1      3      H::L2      L3      H:Hr      2      4      4      1      3      2      1      3      H:L2:L4      L2:L4      L3      L2:L4      L3      L3:L3	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      Samson        Sh      Ba      1      4      4      2        2      1      3      3      inspector      As      Ba        1      4      4      2      3      3      Ja      Ja      2      Ja	Nc      Ch        2      4      3        1      1      3      2        D::D      D::D      D        Sh      Ch      3      2        1      4      4      3      2        I      4      4      3      2        Endless      As      Ch      1      4      4      3        3      1      4      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      Biased      Cycle      Biased      Cycle      S      4      4      3      2      1      1      2      L	Nc      Pd        2      4      4      3        1      2      3      1        Thread      3      1      4      3        2      2      3      1      4      3        2      2      3      1      4      4      3        4      4      3      2      2      1      1        Aibi      Co      Pd      2      4      3      3      2      1      1        Aibi      Co      Pd      2      4      4      3      3      2      1      1        Revelation      Pc      J      1      4      4      3      3      2      1      1        No      Z      1      1      1      4      3      2      2      1      1        Revelation      Hered      3      2      2      1      1      1      1      1      1      1      1      1      1      1
H No Ha 2 2 4 4 1 3 3 Sh Ha 1 2 4 4 2 1 3 3 As Ha 1 2 4 4 3 1 2 3 Co Ha 2 2 4 4 3 1 1 3 PC Ha 3 2 4 4 3 2 4 4 1 1 2 3 H::H	Nc      Pc        2      1      4      4        1      2      3      3        LuthAid      3      2      3      3        Charity      As      Pc      1      1      4      4        2      2      3      3      Charity      Short      Charity      As      Pc      1      1      4      4      3      2      2      3      LothEnable      Concrete      2      2      1      3      2      1      3      Pc      Pc      3      1      4      4      2      2      1      3      Pc      Pc      3      1      4      4      2      2      1      3      Pc      Pc      3      1      4      4      2      2      1      3      Pc      Co      3      1      4      4      2      2      1      3      Pc      Co      3      1      4      4      2      2      3      3      4	C Nc Co 2 1 4 4 1 3 3 2 D::C Sh Co 1 1 4 4 2 3 3 2 L1:L3 Co Co 2 1 4 4 3 3 2 2 L1:L3 Co Co 2 1 4 4 3 3 1 2 Safe Choice PC Co 3 1 4 4 2 3 1 2 Safe Choice PC Co 3 1 4 4 1 3 2 2 Ha Co 3 1 4 4 1 3 2 2	Nc As        2      2      4      4        1      3      1      1        Undrest Favor      Sh As      1      2      4      4        2      3      3      1      MuMurtust        MAW Trast      As As      1      2      4      4        3      3      2      1      Assurance      Co As      2      2      4      3      1      1        Pure Selection      Pc As      3      2      1      4      2      3      1      1        Pure Selection      Pc As      3      2      1      4      4        3      2      4      4      3      1      1        Pure Selection      Pc As      3      1      1      Ha As      3      2      4      4        1      3      2      4      4      1      3      2      1	Nc Sh        2      3      4      4        1      2      3      1        Anticip. D::D      Sh      1      3      4      4        2      2      3      1      3      4      4        2      2      3      1      3      4      4        3      2      2      1      Co      Sh      2      1      1      C::D      Co      Sh      3      3      4      4      3      2      1      1      1      2      1      1      L2:L3      Ha      Sh      3      3      4      4      3      3      4      4      3      2      1      1      L2:L3      Ha      Sh      3      4	Nc      2      3      4      4        1      1      3      2        Concord      Sh      Nc      1      3      2        1      3      4      4      2      1      3      2        Anticipation      As      Nc      1      3      4      4        3      1      2      2      Ldtr.Best Favor      Co      Nc        Co      Nc      3      3      4      4      3      1      2      2        Dim.Best Favor      Co      Nc      3      3      4      4      3      1      2      2      1      1      2      1      1      2      1      1      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1	D C	H Nc DI 2 4 4 2 1 3 3 1 G L1:L2 Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1 C:H Co DI 2 4 4 2 3 3 1 1 Pc DI 3 4 2 3 3 1 1 Pc DI 3 4 2 3 3 1 Hamlet Ha DI 3 4 2 3 3 2 1 Ha DI 3 4 2 3 3 2 1 Ha DI 3 4 2 3 3 2 1 Ha DI 3 4 2 2 3 3 2 1 Ha DI 3 4 2 2 3 2 1 Ha DI 3 4 2 2 3 4 2 2 3 2 1 Ha DI 3 4 2 2 3 4 1 Ha DI 3 4 2 2 3 3 2 1 Ha Ha DI 3 4 2 2 1 3 3 2 1 Ha Ha DI 3 4 2 2 1 3 3 2 1 Ha Ha DI 3 4 2 2 1 Ha DI 3 4 2 2	Nc Cm        2      4      4      1        1      3      3      2        LnUxView      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      2      LoUxGood Enough        Co Cm      2      4      4      1      3      3      1      2        2      4      4      1      3      3      1      2        PC Cm      3      4      4      1      3      3      1      2        PC Cm      3      4      4      1      3      1      2        UNUxTitled      Ha Cm      3      4      4      1        1      3      2      2      4      4      1	Nc      Hr        2      4      1        1      2      3      3        D::C      Sh      Hr        1      4      4      1        2      2      3      3        Crisis Cycle      As      Hr        3      2      2      3        L2:L4      Co      Hr      2      2      3        Co      Hr      3      2      1      3      Pursuit        Pc      Hr      3      4      1      3      2      2      3        Horsuit      Pc      Hr      3      4      1      3      2      1      3        Pursuit      Pc      Hr      3      4      1      2      2      1      3      H::C        Ha      Hr      3      4      4      1      1      2      2      3	Nc      Ba        2      4      4      2        1      1      3      3        Samson      Samson      Samson      3        1      4      4      2      1      3        Inspector      As      Ba      1      4      4      2        3      1      2      3      1      1      3        Coo      Ba      3      1      1      3      Quasi      Cyclic      Pcc      Ba      3      4      2      1      1      3      Quasi      Cyclic      Pcc      Ba      3      4      2      1      1      3      Quasi      Cyclic      Pcc      Ba      3      4      2      1      1      3      Quasi      Cyclic      Pcc      Ba      3      4      2      1      1      3      Quasi	Nc      I        2      4      4      3        1      1      3      2      D::D        Sh      Ch      1      4      4      3        2      1      3      2      Endless        As      Ch      1      4      4      3        3      1      2      2      D::C      Co      Ch      2      4      4      3      3      1      1      2      Biased      Cycle      Pc Ch      3      4      4      3      2      1      1      2      1      1      2      2      1      1      2      L2:L3:L3        Ha      Ch      3      4      4      3      4      3      1      1      2      2      L3      4      4      3      1      1      2      2      L3      4      3      1      1      2      2      L3      L3      L3      L4      4      3      1      1	Nc      Pd        2      4      4      3        1      2      3      1        Threat      Sh      7      3      1        1      4      4      3      2      2      3      1        Asym Dilemma      As      Pd      3      3      2      2      1        Alibi      Co      Pd      2      4      3      3      2      1      1        Revelation      Pc      Pd      3      4      3      2      2      1      1        Utd.Remediable      Ha      Pd      3      4      4      3      1      1      2      2      1      1        Utd.Remediable      Ha      Pd      3      4      4      3      1      2      2      1      1

b. Standard Layout - Pd in outer corner







#### c. Dominant Strategy Layout - Pd in center



#### APPENDIX: ARCHETYPES IN THE TOPOLOGY OF 2X2 GAMES

Figure A4 is a "dominant strategy" layout visualizing the topology of 2x2 games that elegantly displays many of the relationships between games (Robinson and Goforth 2005, Bruns 2015). Compared to Figure A3, the display in each layer "scrolls" to move Prisoner's Dilemma to the inner corner, as shown in Figures A3b and A3c. In this layout, the quadrants within each layer differ by the alignment and number of dominant strategies. Games in the lower left quadrant of each layer have two dominant strategies. In the upper left and lower right quadrants, only one actor has a dominant strategy. If the other player can anticipate the dominant strategy, then their best move becomes clear. Games in these three quadrants all have a single equilibrium, resulting from dominant strategies for one or both actors. Games in the upper right quadrants have no dominant strategy. In pure (unmixed) strategies, they have either two equilibria, as in the coordination games, or no equilibrium, as in the cyclic games. Thus there are two quadrants of coordination games. In more colloquial terms, the diversity of 2x2 games without dominant strategies includes a herd of risky stag hunts and a bunch of rivalrous battles, as well as two clumps of cyclic conflicts.

In the dominant strategy layout, high swaps (3><4) link across layers so that at the center, Prisoner's Dilemma turns into an Asymmetric Dilemma and then Stag Hunt. High swaps also link the entire table top-to-bottom and side-to-side. The high swap links in this layout help visualize many of the most interesting and important high swap transformations. These involve defection dilemmas and other descendants of Primal Exchange and Primal Favors. Asymmetric Dilemmas may turn into Endless conflicts and then into win-win games of Anticipation. Low swaps turn Prisoner's Dilemma into lopsided results in Called Bluff and then the complex tensions of Chicken. High swaps convert Chicken into unbalanced brinksmanship in Dove-Hawk, which could then turn into resentful resistance in Threat or cooperation in Concord.

High swap linkages can be visualized more generally in terms of horizontal (and vertical) *bands* of three tiles which link to equivalently located bands on other layers. The way in which the table wraps around from side-to-side and top-to-bottom already shows the linkages for the Dilemma (D) bands, since these tiles have been "split open" and form the borders of each layer. The other linkages require a bit more imagination to visualize.

As an initial example, high swaps for the column player wrap around the table to transform Samaritan's Dilemma (HaCh) into a Donor game (HaNc). This can model a conditional donor whose requirements reshape recipient behavior. High swaps for the row player convert Samaritan's Dilemma into a Charity game (PcSh). This transformation could model a giver who becomes more sympathetic or more understanding and accepting of a recipient's existing efforts and capabilities (Bruns 2010).

More generally, the Harmony pipe in the lower left links tiles on four layers. The Harmony (H) bands slide horizontally for row swaps (and vertically for column swaps). High swaps for Row payoffs "slide" horizontally to the next layer and turn into the games above or below in the corresponding tile, as with the change from Samaritan's Dilemma into Charity (HaCh >< PcSh). Similarly, column swaps slide vertically and link to the corresponding games to the left or right in the equivalently located tile. A series of four high swaps returns to the original tile and game. These links form the structure of the pipes shown in Figures A2 and A3. The pattern of high swap links can be summarized as "bands slide and switch," as illustrated by the initial example of a high swap turning Samaritan's Dilemma (HaCh) into Charity (PcSh). Similarly, Bully (DICh) becomes Big Bully (CmSh) through a high swap for the row actor.

# Figure A4. A periodic table of elementary social situations, based on the topology of 2x2 games. Rominant strategy layout of strict ordinal games above. Games with ties below. A Periodic Table of Elementary Social Situations

a. STRICT GAMES: Two-person, two-move (2x2) ordinal games with four payoff ranks, mapped in the Robinson-Goforth topology of 2x2 games. Symmetric games on diagonal axis, payoffs combine to make asymmetric games. Swaps in outcome ranks link neighboring games (1><2, 2><3, 3><4).

Ch Nc	Ch Ha	Ch Pc	Ch Co	Ch As	Ch Sh		Ch Pd	Ch DI	Ch Cm	Ch Hr	Ch Ba	Ch Ch		
2 3 3	4 2 2 3 4	2 1 3 4	2 1 3 4	2 2 3 4	2 3 3 4		2 4 3 3	2 4 3 2	2 4 3 1	2 4 3 1	2 4 3 2	2 4 3 3		
1 1 4	2 1 1 4 3	1 2 4 3	1 3 4 2	1 3 4 1	1 2 4 1		1 2 4 1	1 3 4 1	1 3 4 2	1 2 4 3	1 1 4 3	1 1 4 2		
Dove-Hawk	SamaritanD	Biased Type	Biased Cvcle	Inferior	Endless		Called Bluff	Bully	Lopsided		CarinoDilemma	Chicken		
Ba No	Ba Ha	Ba Pc	Ba Co	Ba As	Ba Sh		Ba Pd	Ba Di	Ba Cm	Ba Hr	Ba Ba	Ba Ch		
3 3 2	1 3 2 2 4	3 1 2 4	3 1 2 1	3 2 2 4	3 3 2 4		3 4 2 3	3 4 2 2	3 4 2 1	3 4 2 1	3 4 2 2	3 / 2 3		
	-7 $-7$ $-7$ $-7$ $-7$ $-7$ $-7$ $-7$	1 2 4 2	1 2 4 2						1 2 4 2	1 2 4 2	1 1 4 2	1 1 4 2		
1 I 4	2 1 1 4 3				1 2 4 1			Dente star	1 3 4 2		1 1 4 3	1 1 4 Z		
Samson		Loun:Disadvantage	Quasi Cyclic	LDAS:CIOCK	Inspector		LDLO:Blased Pavor	Protector	LOLK:Advantage	LDLD:Rivary	Leader	CaringDilemma		
Hr Nc	Hr Ha	Hr Pc	Hr Co	Hr As	Hr Sh	\ /	Hr Pd	Hr Di	Hr Cm	Hr Hr	Hr Ba	Hr Ch		
3 3 1	4 3 2 1 4	3 1 1 4	3 1 1 4	3 2 1 4	3 3 1 4	$\Lambda I$	<b>3</b> 4 <b>1</b> 3	<b>3</b> 4 1 2	3 4 1 1	3 4 1 1	<b>3</b> 4 <b>1</b> 2	<b>3</b> 4 <b>1</b> 3		
2 1 4	2 2 1 4 3	2 2 4 3	2 3 4 2	2 3 4 1	2 2 4 1		2 2 4 1	2 3 4 1	2 3 4 2	<b>2</b> 2 <b>4</b> 3	2 1 4 3	2 1 4 2		
LbLn:Okay Focu	IS		Pursuit	Zero-sum	Crisis					Hero	Quasi Battle			
Cm Nc	Cm Ha	Cm Pc	Cm Co	Cm As	Cm Sh		Cm Pd	Cm DI	CmCm	Cm Hr	Cm Ba	Cm Ch		
2 3 1	4 2 2 1 4	2 1 1 4	2 1 1 4	2 2 1 4	2 3 1 4		2 4 1 3	2 4 1 2	2 4 1 1	2 4 1 1	2 4 1 2	2 4 1 3		
3 1 4	2 3 1 4 3	3 2 4 3	3 3 4 2	3 3 4 1	3 2 4 1		3 2 4 1	3 3 4 1	3 3 4 2	3 2 4 3	3 1 4 3	3 1 4 2		
LkLn:Yield	Dissonance	LkLh:Tilted		LkAs:Good Enough	Big Bully		Sad	LkLk:Second Best	Compromise		LkLb:Advantage	Lopsided		
DL No	DI Ha	DI Po	DI Co	DI As	DI Sh		DI Pd		DI Cm	DI Hr	DI Ba	DI Ch		
1 3 2	4 1 2 2 4	1 1 2 4	1 1 2 4	1 2 2 4	1 3 2 4		1 4 2 3	1 4 2 2	1 4 2 1	1 4 2 1	1 4 2 2	1 4 2 3		
2 1 4		2 2 4 2	2 2 4 2	2 2 4 1	2 2 4 1		2 2 4 1	2 2 4 1	2 2 4 2	2 2 4 2	2 1 4 2	2 1 4 2		
Crievenee		5 2 4 5	3 3 4 2	3 3 4 1	J Z 4 I		J Z 4 I	Deedleek	3 3 4 2	3 2 4 3	Drotostor			
Grievance	MKMIT: Jekyli-Hyde	T DI Di	Dil Or	Dri Ar			Total Connict	Deadlock	Dd Ow	Det Un	Protector	Dully Dil Oh		
	Pd Ha			Pd As	Pa Sh				Pacm	Pa Hr	Pd Ba	Pach		
1 3 3	4 1 2 3 4	1 1 3 4	1 1 3 4	1234	1 3 3 4		1 4 3 3	1432	1431	1 4 3 1	1432	1433		
2 1 4	2 2 1 4 3	2 2 4 3	2 3 4 2	2 3 4 1	2241		2 2 4 1	2 3 4 1	2 3 4 2	2 2 4 3	2 1 4 3	2 1 4 2		
Threat	Hegemony	LdLh:Remediable	Revelation	Alibi	Asym Dilemma		Dilemma	Total Conflict	Sad		LdLb:Biased Favor	Called Bluff		
		I		-		- P			I	-				
						1º								
			-			374				~				
Sh Nc	Sh Ha	Sh Pc	Sh Co	Sh As	Sh Sh	374	Sh Pd	Sh Di	Sh Cm	Sh Hr	Sh Ba	Sh Ch		
Sh Nc 1 3 4	Sh Ha 4 1 2 4 4	Sh Pc 1 1 4 4	Sh Co 1 1 4 4	Sh As 1 2 4 4	Sh Sh 1 3 4 4	374	Sh Pd 1 4 4 3	Sh Dl 1 4 4 2	Sh Cm 1 4 4 1	Sh Hr 1 4 4 1	Sh Ba 1 4 4 2	Sh Ch 1 4 4 3		
Sh Nc 1 3 4 2 1 3	Sh Ha 4 1 2 4 4 2 2 1 3 3	Sh Pc 1 1 4 4 2 2 3 3	Sh Co 1 1 4 4 2 3 3 2	Sh As 1 2 4 4 2 3 3 1	Sh Sh        1      3      4      4        2      2      3      1	374	Sh Pd 1 4 4 3 2 2 3 1	Sh Dl 1 4 4 2 2 3 3 1	Sh Cm 1 4 4 1 2 3 3 2	Sh Hr 1 4 4 1 2 2 3 3	Sh Ba 1 4 4 2 2 1 3 3	Sh Ch        1      4      4      3        2      1      3      2		
Sh Nc 1 3 4 2 1 3 Anticipation	Sh Ha 4 1 2 4 4 2 2 1 3 3	Sh      Pc        1      1      4      4        2      2      3      3        Charity      1      1      1      1	Sh Co        1      1      4      4        2      3      3      2	Sh As 1 2 4 4 2 3 3 1 MuMu:Trust	Sh Sh        1      3      4      4        2      2      3      1        Stag Hunt      3      4      4	3t	Sh Pd        1      4      4      3        2      2      3      1        Asym Dilemma      3      3      3	Sh Dl 1 4 4 2 2 3 3 1 Hamlet	Sh Cm 1 4 4 1 2 3 3 2 Big Bully	Sh Hr        1      4      4      1        2      2      3      3        Crisis Cycle	Sh Ba        1      4      2        2      1      3      3        Inspector      1      1      1	Sh Ch        1      4      4      3        2      1      3      2        Endless      1      1      1		
Sh Nc 1 3 4 2 1 3 Anticipation As Nc	Sh Ha 4 1 2 4 4 2 2 1 3 3 1 As Ha	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc	Sh Co 1 1 4 4 2 3 3 2 As Co	Sh As 1 2 4 4 2 3 3 1 MuMu:Trust As As	Sh Sh        1      3      4      4        2      2      3      1        Stag Hunt      As Sh      1      1	3 <sup>7</sup>	Sh Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As Pd      3      3	Sh Dl 1 4 4 2 2 3 3 1 Hamlet As Dl	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm	Sh Hr        1      4      4      1        2      2      3      3        Crisis Cycle      As Hr	Sh Ba        1      4      2        2      1      3      3        Inspector      As Ba	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      As Ch		
Sh Nc 1 3 4 2 1 3 Anticipation As Nc 1 3 4	Sh Ha 4 1 2 4 4 2 2 1 3 3 1 As Ha 4 1 2 4 4	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc        1      1      4      4	Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4	Sh As 1 2 4 4 2 3 3 1 MuMurTrust As As 1 2 4 4	Sh Sh      1    3    4    4      2    2    3    1      Stag Hunt    As Sh    1    3    4    4	34	Sh Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As      Pd        1      4      4      3	Sh DI        1      4      4      2        2      3      3      1        Hamlet      As DI      1      4      4      2	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1	Sh Hr        1      4      1        2      2      3      3        Crisis Cycle      As Hr      1      4      1	Sh Ba        1      4      2        2      1      3      3        Inspector      As Ba      4      2	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      4      3		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      4	Sh Ha 4 1 2 4 4 2 2 1 3 As Ha 4 1 2 4 4 2 3 1 2 4 4	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc        1      1      4      4        3      2      2      3	Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2	Sh As 1 2 4 4 2 3 3 1 MuMurTrust As As 1 2 4 4 3 3 2 1	Sh Sh      1    3    4    4      2    2    3    1      Stag Hunt    As Sh    1    3    4    4      3    2    2    1    1    3    4    4	374	Sh Pd        1      4      3        2      2      3      1        Asym Dilemma      As Pd      1      4      3        3      2      2      1      1	Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1	Sh Cm 1 4 4 1 2 3 3 2 Big Bully As Cm 1 4 4 1 3 3 2 2	Sh Hr        1      4      1        2      2      3      3        Crisis Cycle      As Hr      1      4      1        3      2      2      3      3	Sh Ba        1      4      2        2      1      3      3        Inspector      As Ba      4      2        3      1      2      3	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        3      1      2      2      2		
Sh Nc 1 3 4 2 1 3 Anticipation As Nc 1 3 4 3 1 2 Id these Earce	Sh Ha      1    2    4    4      2    1    3    3      As Ha    1    2    4    4      2    3    1    2    3	Sh Pc        1      1      4      4        2      2      3      3        Charity      As Pc      1      1      4      4        3      2      2      3      1      1      4      4        3      2      2      3      1      1      4      4      2      2      3      1      1      1      4      4      3      2      2      3      3      1      1      4      4      3      2      2      3      3      1      1      4      4      3      2      2      3      3      1      1      1      4      4      3      2      2      3      3      1	Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 Id a Convention	Sh As 1 2 4 4 2 3 3 1 MuMuTrust As As 1 2 4 4 3 3 2 1 As an	Sh      Sh        1      3      4      4        2      3      1      3      1        Stag Hunt      As      Sh      1      3      4      4        3      2      1      3      4      4      3      2      1	37	Sh Pd        1      4      3        2      2      3      1        Asym Dilemma      As Pd      1      4      4      3        3      2      2      1      4      4      3	Sh      DI        1      4      4      2        2      3      3      1        Hamlet      As      DI      1      4      4      2        3      3      2      1      1      4      2      3      3      2      1	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      1      4      4      1        3      3      2      2      2      3      3      2      2	Sh Hr        1      4      4      1        2      2      3      3        Crisis Cycle      As Hr      1      4      1        1      4      4      1      3      2      3        7aro.esum      2      3      3      2      3	Sh Ba        1      4      2        2      1      3      3        Inspector      As Ba      1      4      2        1      4      4      2      3      1      2      3        1      4      4      2      3      1      2      3	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior Cycle      Inferior Cy		
Sh Nc 1 3 4 2 1 3 Anticipation As Nc 1 3 4 3 1 2 LohrBest Favor	Sh Ha 4 1 2 4 4 2 2 1 3 3 As Ha 4 1 2 4 4 2 3 1 2 3 	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc      1      1      4      4        3      2      2      3      1      4      4      3      2      2      3      1      1      4      4      3      2      2      3      1      Lolh: Enable      Co      Pc      Pc      1 <th>Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Laber Convention</th> <th>Sh As        1      2      4      4        2      3      3      1        MuMu:Trust      As      As      1        As      As      As      1      2        3      3      2      4      4        3      3      2      1      Assurance        Co.0      As      As      As</th> <th>Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt        As      Sh        1      3      4      4        3      2      2      1        MulticTrust      Colspan="2"&gt;Sh</th> <th>37</th> <th>Sh Pd        1      4      3        2      2      3      1        Asym Dilemma      As      Pd      1        4      4      3      3      2      2      1        Alibit      Co Pd      Co Pd      Co Pd      Co Pd      Co Pd      Co Pd</th> <th>Sh      DI        1      4      4      2        2      3      3      1        Hamlet      As      DI      1        4      4      2      3      3      2        1      4      4      2      3      3      2      1</th> <th>Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      Ldk:Good Enough      Common</th> <th>Sh Hr        1      4      4        2      2      3      3        Crisis Cycle      As Hr      1      4      4        1      4      4      1      3      2        As Hr      3      2      2      3      3        Zerosum      Contract      Contract</th> <th>Sh Ba        1      4      2        2      1      3      3        inspector      As Ba      1      4      2        3      1      2      3      1      2      3        Labrook      4      2      3      1      2      3</th> <th>Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      1      2      2        Inferior Cycle      Co Ch      Co      Ch      Ch      Ch</th>	Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Laber Convention	Sh As        1      2      4      4        2      3      3      1        MuMu:Trust      As      As      1        As      As      As      1      2        3      3      2      4      4        3      3      2      1      Assurance        Co.0      As      As      As	Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt        As      Sh        1      3      4      4        3      2      2      1        MulticTrust      Colspan="2">Sh	37	Sh Pd        1      4      3        2      2      3      1        Asym Dilemma      As      Pd      1        4      4      3      3      2      2      1        Alibit      Co Pd      Co Pd      Co Pd      Co Pd      Co Pd      Co Pd	Sh      DI        1      4      4      2        2      3      3      1        Hamlet      As      DI      1        4      4      2      3      3      2        1      4      4      2      3      3      2      1	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      Ldk:Good Enough      Common	Sh Hr        1      4      4        2      2      3      3        Crisis Cycle      As Hr      1      4      4        1      4      4      1      3      2        As Hr      3      2      2      3      3        Zerosum      Contract	Sh Ba        1      4      2        2      1      3      3        inspector      As Ba      1      4      2        3      1      2      3      1      2      3        Labrook      4      2      3      1      2      3	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      1      2      2        Inferior Cycle      Co Ch      Co      Ch      Ch      Ch		
Sh Nc 1 3 4 2 1 3 Anticipation As Nc 1 3 4 3 1 2 Lohn:Best Favor C O Nc	Sh Ha        4      1      2      4      4        2      2      1      3      3        As      Ha      4      1      2      4      4        2      3      1      2      3      7      7        Co Ha        Co Ha	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc      1        As      Pc      1      1      4        3      2      2      3      1        Loth/Enable      Co      Pc      2      3	Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 LoLa:Convention Co Co	Sh As        1      2      4      4        2      3      3      1        MuMu:Trust      As      As      1        1      2      4      4        3      3      2      1        Assurance      Co As      2      2	Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      1      3      4      4        3      2      2      1      MuMuTrust      Co      Sh	37	Sh Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As Pd      1      4      4      3        3      2      2      1      Alibi      Co Pd      2      1	Sh Di 1 4 4 2 2 3 3 1 Hamlet As Di 1 4 4 2 3 3 2 1 	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LaUk:Good Enough      Co Cm      Co Cm	Sh Hr      1      4      4      1        2      2      3      3      Crisis Cycle        As Hr      1      4      4      1      3      2      2      3      Zero-sum        Co Hr      0      - </th <th>Sh      Ba        1      4      4      2        2      1      3      3        Inspector      As      Ba      1        4      4      2      3      1        1      4      4      2      3      1      2      3        Lobt/Clock      C      Co      Ba      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      4      4      2      3      1      4      4      3      1      4      4      3      1      4      4      4      4      4      3      1      4      4<th>Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior Cycle      Co Ch      Co Ch      2      4      4      4      3</th></th>	Sh      Ba        1      4      4      2        2      1      3      3        Inspector      As      Ba      1        4      4      2      3      1        1      4      4      2      3      1      2      3        Lobt/Clock      C      Co      Ba      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      2      3      1      4      4      4      4      2      3      1      4      4      3      1      4      4      3      1      4      4      4      4      4      3      1      4      4 <th>Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior Cycle      Co Ch      Co Ch      2      4      4      4      3</th>	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior Cycle      Co Ch      Co Ch      2      4      4      4      3		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      4        3      1      2        Ldtn:Best Favor      Co Nc      2        2      3      4	Sh Ha      1    2    4    4      2    1    3    3      1    2    1    3    3      4    1    2    4    4      2    3    1    2    3      2    3    1    2    3      0    Co    Ha    4    2    2    4    4      2    2    2    4    4    4    2    3    4    4    2    3    4    4    4    2    4 <th>Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc      1      1      4      4        3      2      2      3      3      LoUnEnable      Co      Pc      2      1      4      4        3      2      2      3      LoUnEnable      Co      Pc      2      1      4      4</th> <th>Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Lobo Convention        Co Co      2      1      4      4</th> <th>Sh As        1      2      4      4        2      3      3      1        MMUTUSI      As      As      1      2      4      4        3      3      2      1      Assurance      Co As      2      2      4      4      3      3      2      1      Assurance      Co As      2      2      4      4      3      3      2      1      Assurance      Co As      2      2      4      4      3      4      <td< th=""><th>Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      1      3      4      4        3      2      2      1      MuMuTrust      Co      Sh        2      3      4      4      3      2      2      1</th><th>34</th><th>Sh Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As Pd      1      4      4      3        3      2      2      1      4      3      3      2      2      1        Alibi      Co Pd      2      4      4      3      3      3      2      2      1</th><th>Sh      Di        1      4      4      2        2      3      3      1        Hamlet     </th><th>Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      Lolk:Good Enough      Co Cm      2      4      4      1</th><th>Sh      Hr        1      4      4        2      2      3      3        Crisis      Cycle      As      Hr        1      4      4      1        3      2      2      3        Zero-sum      Co      Hr      2        2      4      4      1        2      2      3      Zero-sum</th><th>Sh      Ba        1      4      2        2      1      3      3        Inspector      As      Ba        1      4      4      2        3      1      2      3        Introduction      Co      Ba      2        Co      Ba      2      4      4        2      4      4      2      3</th><th>Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior      Cycle      Co Ch      2      4      4      3</th></td<></th>	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc      1      1      4      4        3      2      2      3      3      LoUnEnable      Co      Pc      2      1      4      4        3      2      2      3      LoUnEnable      Co      Pc      2      1      4      4	Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Lobo Convention        Co Co      2      1      4      4	Sh As        1      2      4      4        2      3      3      1        MMUTUSI      As      As      1      2      4      4        3      3      2      1      Assurance      Co As      2      2      4      4      3      3      2      1      Assurance      Co As      2      2      4      4      3      3      2      1      Assurance      Co As      2      2      4      4      3      4 <td< th=""><th>Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      1      3      4      4        3      2      2      1      MuMuTrust      Co      Sh        2      3      4      4      3      2      2      1</th><th>34</th><th>Sh Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As Pd      1      4      4      3        3      2      2      1      4      3      3      2      2      1        Alibi      Co Pd      2      4      4      3      3      3      2      2      1</th><th>Sh      Di        1      4      4      2        2      3      3      1        Hamlet     </th><th>Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      Lolk:Good Enough      Co Cm      2      4      4      1</th><th>Sh      Hr        1      4      4        2      2      3      3        Crisis      Cycle      As      Hr        1      4      4      1        3      2      2      3        Zero-sum      Co      Hr      2        2      4      4      1        2      2      3      Zero-sum</th><th>Sh      Ba        1      4      2        2      1      3      3        Inspector      As      Ba        1      4      4      2        3      1      2      3        Introduction      Co      Ba      2        Co      Ba      2      4      4        2      4      4      2      3</th><th>Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior      Cycle      Co Ch      2      4      4      3</th></td<>	Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      1      3      4      4        3      2      2      1      MuMuTrust      Co      Sh        2      3      4      4      3      2      2      1	34	Sh Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As Pd      1      4      4      3        3      2      2      1      4      3      3      2      2      1        Alibi      Co Pd      2      4      4      3      3      3      2      2      1	Sh      Di        1      4      4      2        2      3      3      1        Hamlet	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      Lolk:Good Enough      Co Cm      2      4      4      1	Sh      Hr        1      4      4        2      2      3      3        Crisis      Cycle      As      Hr        1      4      4      1        3      2      2      3        Zero-sum      Co      Hr      2        2      4      4      1        2      2      3      Zero-sum	Sh      Ba        1      4      2        2      1      3      3        Inspector      As      Ba        1      4      4      2        3      1      2      3        Introduction      Co      Ba      2        Co      Ba      2      4      4        2      4      4      2      3	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior      Cycle      Co Ch      2      4      4      3		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      4        3      1      2        Lour.Best Favor      Co Nc      2      3        3      1      1      1	Sh Ha      4    1    2    4    4      2    2    1    3    3      A    1    2    4    4      4    1    2    4    4      7    3    1    2    3      Co Ha    4    2    2    4    4      2    2    4    4    2    3    1    3	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc      1      1      4      4        3      2      2      3      1      4      4      3      2      2      3      1      1      4      4      3      2      3      1      1      1      4      4      3      2      1      3      4      4      3      2      1      3      3      3      1      3 <td< th=""><th>Sh Co      1      4      4        2      3      2      2        As Co      1      1      4      4        3      2      2      2      2      2      2      2      2      2      2      2      2      2      2      2      1      4      4      3      3      1      2      3      3      1      2      3      3      1      2      3      3      3      3      2      2      2      2      2      2      2      2</th><th>Sh As      1    2    4    4      2    3    1    1      Multurnust    As    As    1    2    4    4      3    3    2    1    2    4    4    3    3    2    1    1    Assurance      Co    As    2    2    4    4    3    3    1    1</th><th>Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      1      3      4        3      2      2      1      MoMuTrust        Co      Sh      2      3      4        3      2      3      4      4</th><th>374</th><th>Sh      Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As      Pd        1      4      4      3        3      2      2      1        Alibi      Co      Pd      2        2      4      4      3        3      2      1      1</th><th>Sh      Di        1      4      4      2        2      3      3      1        Hamlet      As      Di      1        As      Di      1      4      2        3      3      2      1      1        Co      Di      2      4      4      2        3      3      1      1      1      1</th><th>Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LaUk:Good Enough      Co Cm      2      4      4      1        3      3      1      2      1      1      2</th><th>Sh      Hr        1      4      4        2      2      3        Crisis      Cycle        As      Hr        1      4      4        3      2      2        Zero-sum      Co        Co      Hr        2      4      4        3      2      1        3      2      1</th><th>Sh Ba    1  4  2    2  1  3    Inspector  As Ba    1  4  2    3  1  2    3  1  2    1  4  4    2  3  1    2  4  4    2  4  4    3  1  1</th><th>Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      3      1      2      2        Inferior Cycle      Co Ch      Co      2      4      3      3      1      2      2        Inferior Cycle      Co Ch      2      4      4      3      3      1      1      2</th></td<>	Sh Co      1      4      4        2      3      2      2        As Co      1      1      4      4        3      2      2      2      2      2      2      2      2      2      2      2      2      2      2      2      1      4      4      3      3      1      2      3      3      1      2      3      3      1      2      3      3      3      3      2      2      2      2      2      2      2      2	Sh As      1    2    4    4      2    3    1    1      Multurnust    As    As    1    2    4    4      3    3    2    1    2    4    4    3    3    2    1    1    Assurance      Co    As    2    2    4    4    3    3    1    1	Sh      Sh        1      3      4      4        2      2      3      1        Stag Hunt      As      Sh      1        As      Sh      1      3      4        3      2      2      1      MoMuTrust        Co      Sh      2      3      4        3      2      3      4      4	374	Sh      Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As      Pd        1      4      4      3        3      2      2      1        Alibi      Co      Pd      2        2      4      4      3        3      2      1      1	Sh      Di        1      4      4      2        2      3      3      1        Hamlet      As      Di      1        As      Di      1      4      2        3      3      2      1      1        Co      Di      2      4      4      2        3      3      1      1      1      1	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      LaUk:Good Enough      Co Cm      2      4      4      1        3      3      1      2      1      1      2	Sh      Hr        1      4      4        2      2      3        Crisis      Cycle        As      Hr        1      4      4        3      2      2        Zero-sum      Co        Co      Hr        2      4      4        3      2      1        3      2      1	Sh Ba    1  4  2    2  1  3    Inspector  As Ba    1  4  2    3  1  2    3  1  2    1  4  4    2  3  1    2  4  4    2  4  4    3  1  1	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      3      1      2      2        Inferior Cycle      Co Ch      Co      2      4      3      3      1      2      2        Inferior Cycle      Co Ch      2      4      4      3      3      1      1      2		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      4        3      1      2        LohnBest Favor      Co Nc      2        2      3      4        3      1      1	Sh Ha      1    2    4    4      2    1    3    3      A    1    2    4    4      4    1    2    4    4      2    3    1    2    3      Co Ha    4    2    4    4      2    3    1    2    3      1    2    4    4    4      2    3    1    1    3      4    2    2    4    4      2    3    1    1    3	Sh Pc 1 1 4 4 2 2 3 3 Charity As Pc 1 1 4 4 3 2 2 3 LothEnable CO PC 2 1 4 4 3 2 1 3	Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      2        Lola: Convention      Co      Co      2      1      4      4        3      3      1      2      2      2      2      2      2      2      2      2      2      2      2      2      2      1      4      4      3      3      1      2      Safe Choice      2      1      4      4      3      3      1      2      3      3      1      2      3      3      1      2      3      3      1      2      3      3      1      2      3      3      1      2      3      3      1      2      3      3      1      2      3      3      1      2      3      3      3      3      3      3      3      3	Sh As        1      2      4      4        2      3      1      MuMuTnust        As As      1      2      4      4        3      3      2      1      4        Assurance      Co As      2      2      4      4        3      3      1      1      Pure Selection	Sh      1    3    4    4      2    2    3    1      Stag Hunt      As    Sh      1    3    4    4      3    2    2    1      MoM/LTOUSt    Co    Sh    2      2    3    4    4      3    2    1    1	374	Sh      Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As      Pd      1        4      4      3      3      2      1        Aibi      2      2      1      4      4      3        Aibi      Co      Pd      2      4      4      3      3      2      1      1        Revelation      T      1	Sh      DI        1      4      4      2        2      3      3      1        Hamlet      As      DI      1        4      4      2      3      3      2      1        I      4      4      2      3      3      2      1        Co      DI      2      4      4      2      3      3      1      1	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4        3      3      2      2      Lolk:Cool Enough        CoCm      2      4      4      1        3      3      1      2	Sh      Hr        1      4      4        2      2      3      3        Crisis      Cycle      As      Hr        1      4      4      1        3      2      2      3        Zero-sum      Co      Hr      1        2      4      4      1        3      2      1      3        Pursuit      Ursuit      1      3	Sh      Ba        1      4      2        2      1      3      3        Inspector      As      Ba        1      4      4      2        3      1      2      3        IobhClock      0      Co      Ba        2      4      4      2        3      1      1      3        Quasi Cyclic      Velice      Velice      Velice	Sh Ch        1      4      3        2      1      3        Endless      As Ch        1      4      4        3      1      2        Inferior Cycle      Co Ch        2      4      4        3      1      1        2      4      3        3      1      1        Biased Cycle      Biased Cycle		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc      1        1      3      4        3      1      2        Ldur.Best Favor      Co Nc        2      3      4        3      1      1        Pc Nc      Nc	Sh  Ha    4  1  2  4  4    2  2  1  3  3    1  2  4  4    4  1  2  4  4    2  3  1  2  3    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .  .  .  .    .  .<	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc      1      1      4      4        3      2      2      3      1      1      4      4      3      2      2      3      1      1      1      4      4      3      2      2      3      1      1      1      4      4      3      2      2      3      1      1      1      4      4      3      2      2      3      1      1      1      4      4      3      2      1      3      3      1      3      3      2      1      3      3      2      1      3      3      2      1      3      3      2      1      3      3      2      1      3      3      2      1      3      2      1      3      3      2      1      3      3      2      1 <td< th=""><th>Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 Lolo Convention Co Co 2 1 4 4 3 3 1 2 Safe Choice Pc Co</th><th>Sh As      As        1      2      4      4        2      3      3      1        MuMurtust      As      As      1        1      2      4      4        3      3      2      1        Assurance      Co As      2      2      4        3      3      1      1        Pure Selection      Pc As      As      As</th><th>Sh    Sh      1    3    4    4      2    2    3    1      Stag Hunt    As    Sh    1      1    3    4    4      3    2    2    1      MuMuTrust    Co    Sh    3      2    3    4    4      3    2    1    1      Pc    Sh    Sh    1</th><th>3<sup>74</sup></th><th>Sh      Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As      Pd        1      4      4      3        3      2      2      1        Alibi      Co      Pd      2        2      4      4      3      2        2      4      4      3      3      2      1      1        Revelation      Pc      Pd      1</th><th>Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1 Co DI 2 4 4 2 3 3 1 1 Pc DI</th><th>Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      Lolk-Good Enough      Co Cm        2      4      4      1      3      3      1      2        Co Cm      3      3      1      2      4      4      1        3      3      1      2      4      4      1        3      3      1      2      4      4      1        3      3      1      2      4      4      1        3      3      1      2      4      4      1</th><th>Sh      Hr        1      4      4      1        2      3      3      Crisis Cycle        As      Hr      1      4      4        3      2      2      3      Zero-sum        Co      Hr      3      2      1      3        2      4      4      1      3      2      1      3        Pursuit      Pc      Hr      1      3      2      1      3</th><th>Sh Ba        1      4      2        2      1      3      3        Inspector      As Ba      1      4      2        3      1      2      3      1      2      3        Ioth-Clock      C      Ba      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      Quasi Cyclic      Pc Ba      1      1      1      1      1      1      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      1      3      1      1      3      1      1      3      1      1      1      1      1      1</th><th>Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior      Cycle      Co Ch      2      4      4      3      3      1      1      2        Biased      Cycle      Co Ch      2      4      4      3      3      1      1      2</th></td<>	Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 Lolo Convention Co Co 2 1 4 4 3 3 1 2 Safe Choice Pc Co	Sh As      As        1      2      4      4        2      3      3      1        MuMurtust      As      As      1        1      2      4      4        3      3      2      1        Assurance      Co As      2      2      4        3      3      1      1        Pure Selection      Pc As      As      As	Sh    Sh      1    3    4    4      2    2    3    1      Stag Hunt    As    Sh    1      1    3    4    4      3    2    2    1      MuMuTrust    Co    Sh    3      2    3    4    4      3    2    1    1      Pc    Sh    Sh    1	3 <sup>74</sup>	Sh      Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As      Pd        1      4      4      3        3      2      2      1        Alibi      Co      Pd      2        2      4      4      3      2        2      4      4      3      3      2      1      1        Revelation      Pc      Pd      1	Sh DI 1 4 4 2 2 3 3 1 Hamlet As DI 1 4 4 2 3 3 2 1 Co DI 2 4 4 2 3 3 1 1 Pc DI	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      Lolk-Good Enough      Co Cm        2      4      4      1      3      3      1      2        Co Cm      3      3      1      2      4      4      1        3      3      1      2      4      4      1        3      3      1      2      4      4      1        3      3      1      2      4      4      1        3      3      1      2      4      4      1	Sh      Hr        1      4      4      1        2      3      3      Crisis Cycle        As      Hr      1      4      4        3      2      2      3      Zero-sum        Co      Hr      3      2      1      3        2      4      4      1      3      2      1      3        Pursuit      Pc      Hr      1      3      2      1      3	Sh Ba        1      4      2        2      1      3      3        Inspector      As Ba      1      4      2        3      1      2      3      1      2      3        Ioth-Clock      C      Ba      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      Quasi Cyclic      Pc Ba      1      1      1      1      1      1      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      1      3      1      1      3      1      1      3      1      1      1      1      1      1	Sh Ch        1      4      3        2      1      3      2        Endless      As Ch      1      4      3        1      4      4      3      3      1      2      2        Inferior      Cycle      Co Ch      2      4      4      3      3      1      1      2        Biased      Cycle      Co Ch      2      4      4      3      3      1      1      2		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      4        3      1      2        LdunBest Favor      Co Nc      2        2      3      1        Pc Nc      3      3        3      3      4	Sh Ha      4    1    2    4    4      2    2    1    3    3      A    As Ha    4    4    2    3    1      4    1    2    4    4    2    3    1    2    3      Co Ha    4    2    2    4    4    2    3    1    1    3      Co Ha    4    2    2    4    4    2    3    1    1    3      Pc Ha    3    2    4	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc      1      1      4      4        3      2      2      3      1      4      4        3      2      2      3      1      4      4        3      2      1      3      4      4        3      2      1      3      4      4        3      2      1      3      4      4        3      2      1      3      4      4	Sh Co 1 1 4 4 2 3 3 2 As Co 1 1 4 4 3 3 2 2 Laba Convention Co Co 2 1 4 4 3 3 1 2 Safe Choice Pc Co 3 1 4 4	Sh As        1      2      4      4        2      3      3      1        Multurmat      As      As      1      2        4      4      3      3      2      1        Assurance      Co As      2      2      4      4        3      3      1      1      Pure Selection      Pc As      3      2      4      4	Sh    Sh      1    3    4    4      2    2    3    1      Stag Hunt    As    Sh    1      As    Sh    2    2    1      MuMur Trust    Co    Sh    2    3    4    4      3    2    3    4    4    3    2    1    1      Vec    Sh    3    4	374	Sh      Pd        1      4      4      3        2      2      3      1        Asym Dilemma      As      7        Asym Dilemma      As      3      2      2      1        Alibi      Co      Pd      2      4      4      3      3      2      1      1        Revelation      Pc      Pd      3      4      4      3	Sh      DI        1      4      2        2      3      3        Hamlet      -        As      DI        1      4      4        As      DI        1      4      4        2      3      3        Co      DI        2      4      4        3      3      1        Pc      DI        3      4      4	Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        3      3      2      2      Luk Good Enough      Co Cm      2      4      4      1      3      3      1      2        2      4      4      1      3      3      1      2      2      4      4      1      3      3      1      2      2      4      4      1      3      3      1      2      2      4      4      1      3      3      1      2      2      4      4      1      3      3      1      2      2      4      4      1      3      3      1      2      2      4      4      1      3      3      1      2      2      3      3      3      2      2      3      3      3      3      3      3      3      3      3	Sh      Hr      1      4      1        2      2      3      3      Crisis      Cycle        As      Hr      1      4      4      1        3      2      2      3      3      Zero-sum        Co      Hr      3      2      1      3        Pursuit      Pc      Hr      3      4      1	Sh Ba        1      4      2        2      1      3        Inspector      As      3        1      4      2        3      1      2        3      1      2        1      4      4        2      3      1        1      4      4        2      3      1        2      4      4        2      3      1        3      1      1        Quasi Cyclic      Co        B      3        3      4        4      2	Sh      Ch        1      4      3        2      1      3      2        Endless      -      -      -        As      Ch      1      4      3        3      1      2      2      -      -        Inferior      Cycle      Co      -      -      -        Biased      Cycle      Cycle      -		
Sh      Nc        1      3      4        2      1      3        Anticipation      As      Nc        1      3      4        3      1      2        Lat.nBest Favor      Co      Nc        Co      Nc      2      3        3      1      1      1        Pc      Nc      3      3      1        2      3      3      4      2      1      1	Sh Ha    1  2    2  1    3  3    1  2    4  1    2  1    3  1    2  2    4  1    2  2    4  2    2  2    4  2    4  1    2  2    4  1    2  2    4  3    4  3    2  2    4  3    2  2    4  3    2  2    4  3    4  3    4  3    4  3    5  4    4  3    6  1    7  1	Sh Pc 1 1 4 4 2 2 3 3 Charly As Pc 1 1 4 4 3 2 2 3 ubhEnable CO Pc 2 1 4 4 3 2 2 3 ubhEnable Pc Pc 3 1 4 4 4 2 2 1 3	Sh Co        1      1      4      4        2      3      2        As      Co      1      1      4      4        3      3      2      2      LotsConvention        Co      Co      2      1      4      4        3      3      1      2      Safe Choicee        Pc      Co      3      1      4        3      3      1      2      Safe Choicee        Pc      Zo      3      1      2	Sh As        1      2      4      4        2      3      1      MMLTrat        MAX_Trat      3      2      1        As      As      1      2      4      4        3      3      2      1      Assurance        Co As      2      2      4      4        3      3      1      1        Pure Selection      Pc As      3      2      2        3      2      4      4      2      3      1	Sh Sh 1 3 4 4 2 2 3 1 Stag Hunt As Sh 1 3 4 4 3 2 2 1 Mata Trat Co Sh 2 3 4 4 3 2 1 1 Pc Sh 3 3 4 4 2 2 2 1 1	3 <sup>74</sup>	Sh Pd        1      4      3        2      2      3      1        Asym Dilemma      As Pd      1      4      3        3      2      2      1      Alibit        Alibit      Co Pd      2      4      4        3      2      1      1      Revelation        PC Pd      3      4      4      3        3      4      2      1      1	Sh      DI        1      4      4      2        2      3      3      1        Harmlet      As      DI      1        As      DI      2      3      3        T      4      4      2      3      2      1        Co      DI      2      4      4      2      3      3      1      1        Co      DI      2      4      4      2      3      3      1      1        Pre      DI      3      4      4      2      3      1      1	Sh Cm 1 4 4 1 2 3 3 2 Big Bully As Cm 1 4 4 1 3 3 2 2 LackGood Enough Co Cm 2 4 4 1 3 3 1 2 Pc Cm 2 4 4 3 3 1 2 2 4 4 3 3 1 2 Co Cm	Sh Hr      1      4      4      1      2      2      3      3      Crisis Cycle      As Hr      1      4      4      1      3      2      2      3      Zero-sum      Co Hr      2      2      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      2      1      3      3      4      4      1      3      2      1      3      2      1      3      3      4      4      1      3      2      1      3      2      1      3      3      4      2      2      1      3      3      4      3      2      2      1      3      3      4      3      3      4      3      3      4      3      3      3      4      3      3      3      4 <t< th=""><th>Sh      Ba        1      4      4      2        2      1      3      3        Inspector      As      Ba        1      4      4      2        3      1      2      3        Lab:Obst      G      Ba        2      4      4      2        3      1      1      3        Quasi Cyclic      Pc      Ba      4        2      2      1      1      3</th><th>Sh      Ch        1      4      4      3        2      1      3      2        Endless      As      Ch      3        As      Ch      2      2        Inferior      Cycle      Cycle      3        Co      Ch      Biased      Cycle        Pic Cr      G      3      1      1      2        Biased      Cycle      Ch      3      3      1      1      2        Biased      Cycle      The constant of the constant of</th></t<>	Sh      Ba        1      4      4      2        2      1      3      3        Inspector      As      Ba        1      4      4      2        3      1      2      3        Lab:Obst      G      Ba        2      4      4      2        3      1      1      3        Quasi Cyclic      Pc      Ba      4        2      2      1      1      3	Sh      Ch        1      4      4      3        2      1      3      2        Endless      As      Ch      3        As      Ch      2      2        Inferior      Cycle      Cycle      3        Co      Ch      Biased      Cycle        Pic Cr      G      3      1      1      2        Biased      Cycle      Ch      3      3      1      1      2        Biased      Cycle      The constant of		
Sh      Nc        1      3      4        2      1      3        Anticipation      As      Nc        1      3      4        3      1      2        Lansest For Nc      2      3        3      1      1        Pc      Nc      3        2      1      1        UmrAdd      1      1	Sh Ha    4  1  2  4  4    2  2  1  3    4  1  2  4  4    2  3  1  2    3  1  2  3  1    4  2  2  4  4    2  2  4  4    2  2  4  4    2  2  4  4    2  2  4  4    2  2  4  4    2  1  1  3    UNLSyneg  1  1  5	Sh Pc 1 1 4 4 2 2 3 3 Charity As Pc 1 1 4 4 3 2 2 3 Unt-Enable Co Pc 2 1 4 4 3 2 2 3 Unt-Enable Co Pc 2 1 3 Pc Pc 3 1 4 4 2 2 1 3 Pc Pc	Sh Co        1      1      4      4        2      3      2      2        As Co      1      1      4      4        3      3      2      2      2      2      2      2      2      2      2      1      4      4      3      3      1      2      S      3      1      1      2      S      3      1      1      2      S      3      1      1      2      S      3      1      4      4      2      3      1      4      4      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2      3      1      2	Sh As        1      2      4      4        2      3      3      1        MMUCTING      4      4      3      3      2      1        MMUCTING      4      4      3      3      2      1      Assurance        Co As      2      2      4      4      3      3      1      1        Pure Selection      Pic As      3      2      3      1      1      2      1      1      1      2      3      1      1      2      2      3      2      2      3      1 <td< th=""><th>Sh      Sh        1      3      4      4        2      2      3      1        Stag Humt      As      Sh      1      3      4      4        3      2      2      1      MALTrust      Co      Sh        Co      Sh      3      3      4      4      3      2      1      1        Pc      Sh      3      3      4      4      2      1      1        Pc      Sh      3      3      4      4      2      1      1        Pc      Sh      3      3      4      4      2      1      1</th><th>3<sup>74</sup></th><th>Sh Pd        1 4 4 3        2 2 3 1        As Pd        1 4 4 3        3 2 2 1        Albi        Co Pd        2 4 3 3        3 2 1 1        Revelation        Pc Pd        3 2 2 1 1        Huf4Revelation</th><th>Sh      DI        1      4      4      2        2      3      3      1        Hamiet      As      DI      1      4      4      2        1      4      4      2      3      3      1        1      4      4      2      3      3      1        Co      DI      2      4      4      2      3      1      1        Co      DI      2      4      4      2      3      1      1        Pc      DI      3      4      4      2      3      1      1</th><th>Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      4      4      1        3      3      2      2      4      4      1      3      3      1      2        Co Cm      2      4      4      1      3      1      2        Pc Cm      3      4      4      1      2      3      1      2        Victimed      Uk/citimed      4      1      2      3      1      2        Victimed      Uk/citimed      4      1      2      3      1      2</th><th>Sh      H        1      4      1        2      2      3      3        Crisis Cycle      As      Hr        1      4      4      1        3      2      2      3        Zerro-sum      Co      Hr        2      2      3      2        Arrow      7      1      3        Por      Hr      3      2      1        Pursuit      Pc      Hr      3      4      4      1        2      2      1      3      2      1      3</th><th>Sh Ba        1      4      2        2      1      3        inspector      As Ba        1      4      4        3      1      2      3        1      4      4      2      3        3      1      2      3      3      1        2      4      4      2      3      3      1      1      3        2      4      4      2      3      1      1      3      1      1      3      1      1      3      1      1      3      1      4      2      2      2      1      1      3      1      4      2      2      2      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1</th><th>Sh      Ch        1      4      3        2      1      3      2        Mas      Ch      Ch      Ch        1      4      4      3        3      1      2      2        Inferior Crycle      Co      Ch        2      4      4      3        3      1      1      2        Inferior Crycle      N      1      2        Val      1      1      2        Stassed Crycle      T      2      1        Q      1      1      2        Note      2      1      1        Based Trycle      1      2      1</th></td<>	Sh      Sh        1      3      4      4        2      2      3      1        Stag Humt      As      Sh      1      3      4      4        3      2      2      1      MALTrust      Co      Sh        Co      Sh      3      3      4      4      3      2      1      1        Pc      Sh      3      3      4      4      2      1      1        Pc      Sh      3      3      4      4      2      1      1        Pc      Sh      3      3      4      4      2      1      1	3 <sup>74</sup>	Sh Pd        1 4 4 3        2 2 3 1        As Pd        1 4 4 3        3 2 2 1        Albi        Co Pd        2 4 3 3        3 2 1 1        Revelation        Pc Pd        3 2 2 1 1        Huf4Revelation	Sh      DI        1      4      4      2        2      3      3      1        Hamiet      As      DI      1      4      4      2        1      4      4      2      3      3      1        1      4      4      2      3      3      1        Co      DI      2      4      4      2      3      1      1        Co      DI      2      4      4      2      3      1      1        Pc      DI      3      4      4      2      3      1      1	Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      4      4      1        3      3      2      2      4      4      1      3      3      1      2        Co Cm      2      4      4      1      3      1      2        Pc Cm      3      4      4      1      2      3      1      2        Victimed      Uk/citimed      4      1      2      3      1      2        Victimed      Uk/citimed      4      1      2      3      1      2	Sh      H        1      4      1        2      2      3      3        Crisis Cycle      As      Hr        1      4      4      1        3      2      2      3        Zerro-sum      Co      Hr        2      2      3      2        Arrow      7      1      3        Por      Hr      3      2      1        Pursuit      Pc      Hr      3      4      4      1        2      2      1      3      2      1      3	Sh Ba        1      4      2        2      1      3        inspector      As Ba        1      4      4        3      1      2      3        1      4      4      2      3        3      1      2      3      3      1        2      4      4      2      3      3      1      1      3        2      4      4      2      3      1      1      3      1      1      3      1      1      3      1      1      3      1      4      2      2      2      1      1      3      1      4      2      2      2      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      1	Sh      Ch        1      4      3        2      1      3      2        Mas      Ch      Ch      Ch        1      4      4      3        3      1      2      2        Inferior Crycle      Co      Ch        2      4      4      3        3      1      1      2        Inferior Crycle      N      1      2        Val      1      1      2        Stassed Crycle      T      2      1        Q      1      1      2        Note      2      1      1        Based Trycle      1      2      1		
Sh      Nc        1      3      4        2      1      3        Anticipation      As      Nc        1      3      4        3      1      2        LinnBest Foron      Co      Nc        2      3      1        Pc      Nc      3      3        2      1      1      1        UhrAdd      Ha      Nc      Nc	Sh Ha    4  1  2  4  4    2  1  3  3    As Ha  4  1  2  4    2  3  1  2    4  2  2  4  4    2  3  1  3    4  2  2  4  4    2  3  1  1    4  3  2  4  4    2  1  1  3    Uhr.Synerg  Ha  Ha	Sh      Pc        1      1      4      4        2      2      3      3        Charity      As      Pc      1        As      Pc      1      1      4        3      2      2      3      Lahr-Enable        Co      Pc      Pc      1      3      2      1      3        Q      1      4      4      2      2      1      3        Pc      Pc      Co      3      1      4      4      2      2      1        Pc      Pc      Pc      3      1      4      4      2      2      1        Peace      Ha      Pc      Ha      Pc      Ha      Pc      Pc <td< th=""><th>Sh Co        1      1      4      4        2      3      2      3      2        As Co      1      1      4      4        3      3      2      2      Lata Convertion        Co Co      2      1      4      4      3      1      2        Safe Choice      2      1      3      1      2      Safe Choice      3      1      2        Safe Choice      3      1      4      4      2      3      1      2        Ha Co      3      1      2      3      1      2      3      1      2</th><th>Sh      As        1      2      4      4        2      3      3      1        MANUTINET      As      3      2      1        As      3      3      2      1        Assurance      Co      As      2      2      4      4        3      3      1      1      Pure Selection      Pic      As        2      2      4      4      2      3      1      1        Pure Selection      Pic As      3      2      4      4      2      3      1      1        Utu Enable      Ha      As      3      1      <td< th=""><th>Sh Sh        1 3 4 4        2 3 1        Stag Hunt        As Sh        1 3 4 2        1 3 4 3        As Sh        1 3 4 4        Wolk/Trust        Co Sh        2 3 4 4        3 2 1 1        Pc Sh        3 3 4 4        2 2 1 1        Charity        Ha Sh</th><th>3<sup>7</sup></th><th>Sh Pd        1      4      3        2      2      3      1        Asym Dilemma      As Pd      1      4      4      3        As Pd      1      4      4      3      2      1      1        Albi      Co Pd      2      4      4      3      2      1      1        Revelation      Po Pd      3      4      4      3      2      2      1      1        Utd.Remediate      Ha Pd      Ha Pd      3      4      4      3      2      2      1      1</th><th>Sh      DI        1      4      2        2      3      3        Hamlet      A      DI        I      4      4      2        3      3      2      1        Co      DI      2      3      3        Co      DI      2      4      4      2        3      3      1      1      Po      DI        3      4      4      2      2      3      1      1</th><th>Sh Cm        1      4      1        2      3      2      Big Bully        As Cm      1      4      1        3      3      2      2      Likt-Cool Enough        1      4      4      1      2      3      1      2        2      4      4      1      2      3      1      2        Po Crm      3      4      4      1      2      3      1      2        Ukt-Titted      Ha Cm      Ha Cm</th><th>Sh      Hr        1      4      4        2      2      3      3        Crisis Cycle      As      Hr      1        As      Hr      1      3      2      3        Zero-sum      Co      Hr      3      2      3      3        Zero-sum      Co      Hr      3      2      1      3        Pursuit      Po      Hr      3      4      4      1        2      2      1      3      4      4      1      2      2      1      3        Ha      Hr      Ha      Hr      Hr      3      4      4      1      3      2      1      3      3      4      4      1      3      3      3      4      4      1      3      4      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      <td< th=""><th>Sh      Ba        1      4      4      2        1      3      1      2        Inspector      As      Ba        1      4      2      3        1      4      2      3        1      4      2      3        1      4      2      3        Co      Ba      2      3        Quasi      Cyclic      PC      Ba        3      4      4      2        2      1      3      Ub/Deadvertage        Wh/Deadvertage      Ha      Ba      Sa</th><th>Sh Ch        1      4      4      3        2      1      3      2        Endless      As Ch      1      1        As Ch      1      4      4      3        3      1      2      2      Inferior Cycle        Co Ch      2      4      4      3        3      1      1      2      Biased Cycle        PC Ch      3      4      4      3        2      1      1      2      Biased Type        Biased Type      Ha Ch      Ch      2      4</th></td<></th></td<></th></td<>	Sh Co        1      1      4      4        2      3      2      3      2        As Co      1      1      4      4        3      3      2      2      Lata Convertion        Co Co      2      1      4      4      3      1      2        Safe Choice      2      1      3      1      2      Safe Choice      3      1      2        Safe Choice      3      1      4      4      2      3      1      2        Ha Co      3      1      2      3      1      2      3      1      2	Sh      As        1      2      4      4        2      3      3      1        MANUTINET      As      3      2      1        As      3      3      2      1        Assurance      Co      As      2      2      4      4        3      3      1      1      Pure Selection      Pic      As        2      2      4      4      2      3      1      1        Pure Selection      Pic As      3      2      4      4      2      3      1      1    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  3      2      1      3      3      4      4      1      3      3      3      4      4      1      3      4      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      <td< th=""><th>Sh      Ba        1      4      4      2        1      3      1      2        Inspector      As      Ba        1      4      2      3        1      4      2      3        1      4      2      3        1      4      2      3        Co      Ba      2      3        Quasi      Cyclic      PC      Ba        3      4      4      2        2      1      3      Ub/Deadvertage        Wh/Deadvertage      Ha      Ba      Sa</th><th>Sh Ch        1      4      4      3        2      1      3      2        Endless      As Ch      1      1        As Ch      1      4      4      3        3      1      2      2      Inferior Cycle        Co Ch      2      4      4      3        3      1      1      2      Biased Cycle        PC Ch      3      4   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DI      2      3      3        Co      DI      2      4      4      2        3      3      1      1      Po      DI        3      4      4      2      2      3      1      1	Sh Cm        1      4      1        2      3      2      Big Bully        As Cm      1      4      1        3      3      2      2      Likt-Cool Enough        1      4      4      1      2      3      1      2        2      4      4      1      2      3      1      2        Po Crm      3      4      4      1      2      3      1      2        Ukt-Titted      Ha Cm	Sh      Hr        1      4      4        2      2      3      3        Crisis Cycle      As      Hr      1        As      Hr      1      3      2      3        Zero-sum      Co      Hr      3      2      3      3        Zero-sum      Co      Hr      3      2      1      3        Pursuit      Po      Hr      3      4      4      1        2      2      1      3      4      4      1      2      2      1      3        Ha      Hr      Ha      Hr      Hr      3      4      4      1      3      2      1      3      3      4      4      1      3      3      3      4      4      1      3      4      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3      3 <td< th=""><th>Sh      Ba        1      4      4      2        1      3      1      2        Inspector      As      Ba        1      4      2      3        1      4      2      3        1      4      2      3        1      4      2      3        Co      Ba      2      3        Quasi      Cyclic      PC      Ba        3      4      4      2        2      1      3      Ub/Deadvertage        Wh/Deadvertage      Ha      Ba      Sa</th><th>Sh Ch        1      4      4      3        2      1      3      2        Endless      As Ch      1      1        As Ch      1      4      4      3        3      1      2      2      Inferior Cycle        Co Ch      2      4      4      3        3      1      1      2      Biased Cycle        PC Ch      3      4      4      3        2      1      1      2      Biased Type        Biased Type      Ha Ch      Ch      2      4</th></td<>	Sh      Ba        1      4      4      2        1      3      1      2        Inspector      As      Ba        1      4      2      3        1      4      2      3        1      4      2      3        1      4      2      3        Co      Ba      2      3        Quasi      Cyclic      PC      Ba        3      4      4      2        2      1      3      Ub/Deadvertage        Wh/Deadvertage      Ha      Ba      Sa	Sh Ch        1      4      4      3        2      1      3      2        Endless      As Ch      1      1        As Ch      1      4      4      3        3      1      2      2      Inferior Cycle        Co Ch      2      4      4      3        3      1      1      2      Biased Cycle        PC Ch      3      4      4      3        2      1      1      2      Biased Type        Biased Type      Ha Ch      Ch      2      4		
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4      4      2        3      3      2      1        1      2      4      4      2        3      3      2      1      1        2      4      4      2      3      3      1        PC      DI      3      4      4      2        2      4      4      2      3      1      1        PC      DI      3      4      4      2        3      3      1      1      1        Ha      DI      3      4      4      2        3      4      4      2      3      1      1</th> <th>Sh Cm        1      4      4      1        2      3      3      2        Big Bully      As Cm      1      4      4      1        1      4      4      1      3      3      2      L</th> <th>Sh Hr      I      4      1      2      2      3      2      2      3      2      I      3      Crisis Cycle      As      Hr      1      4      4      1      3      2      Z      3      2      Hr      3      2      Crisis Cycle      Cycle      As      Hr      1      3      2      Z      Statistical and a statistical and statistical and a statistical and 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   2      2      3      2      I      3      Crisis Cycle      As      Hr      1      4      4      1      3      2      Z      3      2      Hr      3      2      Crisis Cycle      Cycle      As      Hr      1      3      2      Z      Statistical and a statistical and statistical and a statistical and statistical and a statistical	Sh Ba        1      4      2        2      1      3      inspector        As Ba      1      4      2        1      4      4      2        inspector      0      0      0        Co Ba      2      4      4      2        2      4      4      2      0        Quasi Cyclic      0      0      0      0        Pc Ba      3      1      1      0        Quasi Cyclic      1      1      1      0        Ha Ba      3      4      4      2	Sh      Ch        1      4      4        2      1      3      2        Endless      As      Ch      1        As      Ch      1      4      4        Inferior      Cycle      Co      Ch      2        2      4      4      3      1      2        Blased      Cycle      Pc      Ch      3      2      1      1      2        Blased      Type      Ha      Ch      3      4      4      3        4      4      3      4      4      3      4      4		
Sh Nc        1      3      4        2      1      3      4        Anticipation      As Nc      1      1        1      3      1      2      1      1        1      3      1      2      1      1      1        Pc Nc      3      3      4      2      1      1        UmAdd      Ha Nc      3      3      4      1      1      1	Sh Ha      4    1    2    4    4      2    2    1    3    3      4    1    2    4    4      2    3    1    2    3      4    2    2    4    4      2    3    1    1    3      4    3    2    4    4      2    2    1    1    3      Ha    Ha    2    2    1    1      Ha    3    2    4    4    3    2    4      4    3    2    4    4    3    2    4    4      2    2    1    1    3    1    1    3    1	Sh Pc 1 1 4 4 2 2 3 3 Charity As Pc 1 1 4 4 3 2 2 3 3 2 2 3 3 2 2 3 2 4 4 3 2 1 3 Pc Pc 3 1 4 4 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 2 2 1 3 Pc Pc 3 1 4 4 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 2 1 3 Pc Pc 3 1 4 4 4 2 2 1 4 4 4 2 2 1 2 2 1 2 4 4 4 2 2 1 2 2 1 2 4 4 4 2 2 1 2 2 1 2 4 4 4 2 2 1 2 2 1 2 4 4 4 2 2 1 2 2 3 4 4 4 2 2 2 1 2 2 3 4 4 4 2 2 2 1 2 2 3 4 4 4 2 2 2 1 2 2 4 4 4 4 2 2 2 1 2 2 4 4 4 4 2 2 2 1 2 2 4 4 4 4 2 2 2 1 2 2 4 4 4 4 2 2 2 1 2 2 3 4 4 4 4 2 2 2 1 2 2 4 4 4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      3      3      2        Lac Convertion      Co Co      2      1      4      4      3      3      1      2        Safe Choice      Pc Co      3      1      4      4      2      3      1      2        Ha Co      3      1      4 <th>Sh As        1      2      4      4        2      3      3      1        MAMuTnat      As As      3      2        As      As      3      2      1        Assurance      Co As      2      2      4      4        Co As      3      2      1      4      4        J      3      3      1      1      Procession        Co As      3      3      1      1      Procession      2      2      4      4      1      <td1< td=""></td1<></th> <th>Sh      Sh        1      3      4      4        2      2      3      1        Stag Hundle      A      4      3        2      2      1      1      3      4      4        3      2      2      1      &lt;</th> <th>3<sup>7</sup></th> <th>Sh Pd        1 4 4 3        2 2 3 1        As Pd        1 4 4 3        3 1 2 2 1        Aibi        Co Pd        2 3 1 4 3        3 2 1 4 3        3 2 1 4 3        2 2 1 1        Revelation        Po Pd        3 4 3 2 2 1        UtdRemodate        Ha Pd        3 4 3 1 2 2 1</th> <th>Sh      DI        1      4      4      2        2      3      3      1        Harmiet      As      DI      1      4      4      2        1      4      4      2      3      2      1        Co      DI      2      4      4      2      3      1      1        Co      DI      2      4      4      2      2      3      1      1        Participant      A      2      2      3      1      1      1        Participant      A      4      2      3      1      1        Participant      A      2      3      1<!--</th--><th>Sh Cm 1 4 4 1 2 3 3 2 Big Bully As Cm 1 4 4 1 3 3 2 Ldk:Goot Enough C C Cm 2 4 4 1 3 3 1 2 Ldk:Goot Enough 2 4 4 1 3 3 1 2 Ldk:Coot Enough 2 3 4 4 1 2 3 1 2 Ldk:Tited Ha Cm 3 4 4 1 1 2 1 2 1 2 3 1 2 1 3 1 3 1 2 1 3 1 3 1 2 1 3 1 3 1 2 1 3 1 3 1 3 1 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3</th><th>Sh      H        1      2      2      3        Crisis<crycle< td="">      As      Hr        1      2      2      3        Crisis      Crycle      As        1      3      2      2        3      2      1      3        Portsuit      Pc      Hr      1        Pc      Hr      1      3        Ha      H      1      3        Ha      H      1      1        1      2      2      3      3</crycle<></th><th>Sh Ba        1      4      4      2        2      1      3      3      Inspector        As Ba      1      3      2      3        1      4      4      2      3      1      1      3        1      4      4      2      3      1      1      3      3      4      4      2      3      1      1      3      0uasi Cyclic      Pc Ba      3      4      4      2      1      1      3      1      4      2      1      1      3      1      1      3      1      4      2      2      1      1      3      1      4      2      1      1      1      3      1      4      2      1      1      1      1      3      1      4      2      1      1      1      3      1      4      2      1      1      1      1      1      1      1      1      1      1      1      &lt;</th><th>Sh      Ch        1      4      4      3        2      1      3      2      Endless        As      Ch      1      3      3      1      2      2        Inferior Cycle      Co      Ch      2      4      4      3      3      1      1      2        Biased Cycle      Po      Ch      3      4      4      3      2      1      1      2      8      8      1      1      2      8      8      1      1      2      8      8      1      1      2      1      1      1      2      1</th></th>	Sh As        1      2      4      4        2      3      3      1        MAMuTnat      As As      3      2        As      As      3      2      1        Assurance      Co As      2      2      4      4        Co As      3      2      1      4      4        J      3      3      1      1      Procession        Co As      3      3      1      1      Procession      2      2      4      4      1 <td1< td=""></td1<>	Sh      Sh        1      3      4      4        2      2      3      1        Stag Hundle      A      4      3        2      2      1      1      3      4      4        3      2      2      1      <	3 <sup>7</sup>	Sh Pd        1 4 4 3        2 2 3 1        As Pd        1 4 4 3        3 1 2 2 1        Aibi        Co Pd        2 3 1 4 3        3 2 1 4 3        3 2 1 4 3        2 2 1 1        Revelation        Po Pd        3 4 3 2 2 1        UtdRemodate        Ha Pd        3 4 3 1 2 2 1	Sh      DI        1      4      4      2        2      3      3      1        Harmiet      As      DI      1      4      4      2        1      4      4      2      3      2      1        Co      DI      2      4      4      2      3      1      1        Co      DI      2      4      4      2      2      3      1      1        Participant      A      2      2      3      1      1      1        Participant      A      4      2      3      1      1        Participant      A      2      3      1 </th <th>Sh Cm 1 4 4 1 2 3 3 2 Big Bully As Cm 1 4 4 1 3 3 2 Ldk:Goot Enough C C Cm 2 4 4 1 3 3 1 2 Ldk:Goot Enough 2 4 4 1 3 3 1 2 Ldk:Coot Enough 2 3 4 4 1 2 3 1 2 Ldk:Tited Ha Cm 3 4 4 1 1 2 1 2 1 2 3 1 2 1 3 1 3 1 2 1 3 1 3 1 2 1 3 1 3 1 2 1 3 1 3 1 3 1 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3</th> <th>Sh      H        1      2      2      3        Crisis<crycle< td="">      As      Hr        1      2      2      3        Crisis      Crycle      As        1      3      2      2        3      2      1      3        Portsuit      Pc      Hr      1        Pc      Hr      1      3        Ha      H      1      3        Ha      H      1      1        1      2      2      3      3</crycle<></th> <th>Sh Ba        1      4      4      2        2      1      3      3      Inspector        As Ba      1      3      2      3        1      4      4      2      3      1      1      3        1      4      4      2      3      1      1      3      3      4      4      2      3      1      1      3      0uasi Cyclic      Pc Ba      3      4      4      2      1      1      3      1      4      2      1      1      3      1      1      3      1      4      2      2      1      1      3      1      4      2      1      1      1      3      1      4      2      1      1      1      1      3      1      4      2      1      1      1      3      1      4      2      1      1      1      1      1      1      1      1      1      1      1      &lt;</th> <th>Sh      Ch        1      4      4      3        2      1      3      2      Endless        As      Ch      1      3      3      1      2      2        Inferior Cycle      Co      Ch      2      4      4      3      3      1      1      2        Biased Cycle      Po      Ch      3      4      4      3      2      1      1      2      8      8      1      1      2      8      8      1      1      2      8      8      1      1      2      1      1      1      2      1</th>	Sh Cm 1 4 4 1 2 3 3 2 Big Bully As Cm 1 4 4 1 3 3 2 Ldk:Goot Enough C C Cm 2 4 4 1 3 3 1 2 Ldk:Goot Enough 2 4 4 1 3 3 1 2 Ldk:Coot Enough 2 3 4 4 1 2 3 1 2 Ldk:Tited Ha Cm 3 4 4 1 1 2 1 2 1 2 3 1 2 1 3 1 3 1 2 1 3 1 3 1 2 1 3 1 3 1 2 1 3 1 3 1 3 1 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	Sh      H        1      2      2      3        Crisis <crycle< td="">      As      Hr        1      2      2      3        Crisis      Crycle      As        1      3      2      2        3      2      1      3        Portsuit      Pc      Hr      1        Pc      Hr      1      3        Ha      H      1      3        Ha      H      1      1        1      2      2      3      3</crycle<>	Sh Ba        1      4      4      2        2      1      3      3      Inspector        As Ba      1      3      2      3        1      4      4      2      3      1      1      3        1      4      4      2      3      1      1      3      3      4      4      2      3      1      1      3      0uasi Cyclic      Pc Ba      3      4      4      2      1      1      3      1      4      2      1      1      3      1      1      3      1      4      2      2      1      1      3      1      4      2      1      1      1      3      1      4      2      1      1      1      1      3      1      4      2      1      1      1      3      1      4      2      1      1      1      1      1      1      1      1      1      1      1      <	Sh      Ch        1      4      4      3        2      1      3      2      Endless        As      Ch      1      3      3      1      2      2        Inferior Cycle      Co      Ch      2      4      4      3      3      1      1      2        Biased Cycle      Po      Ch      3      4      4      3      2      1      1      2      8      8      1      1      2      8      8      1      1      2      8      8      1      1      2      1      1      1      2      1		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      4        3      1      2        Ldn.Best Faur      Co Nc      2        2      3      4        3      1      1        PC NC      3      3        2      3      4        2      1      1        LimAd      Ha NC      3        1      1      2        Opnor      Dopnor	Sh Ha    4  1  2  4  4    2  1  3  3    As Ha  4  1  2  4    2  3  1  2    4  2  2  4  4    2  3  1  1    4  2  2  4  4    2  3  1  1    4  3  2  4  4    2  1  1  3    Uhr.Synerg  Ha  Ha    4  3  2  4    2  1  1  3    Ha  1  2  4	Sh      Pc        1      1      4      4        2      2      3      3        Charly      As      Pc      1        As      Pc      Pc      1        J      1      4      4      3      2      2      3        LahrEmble      Co      Pc      Pc      3      1      4      4        2      2      1      3      4      4      2      2      1        Pc      Pc      Pc      3      1      4      4      2      2      1        Ha      Pc      Pc      3      1      4      4      1      2      3	Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Lata Convention        Co Co      2      1      4      4      3      1      2        Safe Choice      2      1      4      4      3      1      2        Safe Choice      3      1      4      4      2      3      1      2        Ha Co      3      1      4      4      2      3      1      2        Ha Co      3      1      4      4      1      3      2      2	Sh As        1      2      4      4        2      3      3      1        MANUTINET      As As      3      2      1        As As      3      3      2      1        Assurance      Co As      2      2      4      4        3      3      1      1      Pure Selection        Pic As      2      2      4      4        3      3      1      1        Pic As      3      2      4      4        3      2      4      4      3      1        Utc/Eneble      Ha As      3      2      4      4	Sh      Sh        1      3      4      4        2      2      1      3      4      4        As      Sh      1      3      4      4        As      Sh      1      3      4      4        I      3      4      2      2      1        MuMuTout      FC      Sh      3      3      4      4        I      2      1      1      Charity      Ha      Sh      3      3      4      1      2      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1      1      1      2      1 <th>3<sup>7</sup></th> <th>Sh      Pd        1      4      3        2      2      3        Asym Dilemma      Asym Dilemma        Asym Dilemma      Asym Dilemma        Asym Dilemma      3        2      1        Albi      Co Pd        3      2      1        Revelation      Po Pd        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        1      2      2        Heapemanv      1      2</th> <th>Sh      DI        1      4      2        2      3      3        Hamlet      A      DI        As      DI      1        4      2      3      3        1      4      4      2        3      3      2      1        PC      DI        3      4      4      2        2      3      1      1        Ha      DI        3      4      4      2        3      3      1      1        Ha      DI        Main        Ha        DI        Ha        Ha        1        A        L        Ha        DI        A        Ha        L        L           <td colspan="2" l<="" t<="" th=""><th>Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Lak:Good Enorgh        Co Cm      2      4      4      1        2      3      1      2      PC Cm        3      4      4      1      2      3      1      2        Ukk:Titted      Ha Cm      3      4      4      1      1      3      2      2        Sisonanne      Ha C      Sisonanne      1      3      2      2</th><th>Sh      Hr        1      4      4        2      2      3      3        Crisis Cycle      As      Hr      1        As      Hr      1      3      2        As      Hr      1      3      2      3        Zero-sum      Co      Hr      3      2      1      3        Pursuit      Pc      Hr      3      4      4      1      2      2      3        Ha      Hr      3      4      4      1      1      2      2      3</th><th>Sh Ba        1      4      4      2        1      3      1      3        Inspector      A      Ba      1        As Ba      1      1      2      3        Int 1      4      2      3      1      2      3        Int 0      Co Ba      2      3      1      3      0uasi Cyclic        PC Ba      2      4      4      2      2      1      3        Ub:Dedoutedept      PC Ba      4      4      2      2      1      3        Ub:Dedoutedept      Ha Ba      3      4      4      2      3      1      1      2</th><th>Sh Ch        1      4      4      3        2      1      3      2        Endless      As Ch      1      1        As Ch      1      4      4      3        3      1      2      2      Inferior Cycle        Co Ch      2      4      4      3        2      1      1      2      Biased Cycle        Po Ch      3      4      4      3        Ha Ch      3      4      4      3        3      1      1      2      Diased Type</th></td></th>	3 <sup>7</sup>	Sh      Pd        1      4      3        2      2      3        Asym Dilemma      Asym Dilemma        Asym Dilemma      Asym Dilemma        Asym Dilemma      3        2      1        Albi      Co Pd        3      2      1        Revelation      Po Pd        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        1      2      2        Heapemanv      1      2	Sh      DI        1      4      2        2      3      3        Hamlet      A      DI        As      DI      1        4      2      3      3        1      4      4      2        3      3      2      1        PC      DI        3      4      4      2        2      3      1      1        Ha      DI        3      4      4      2        3      3      1      1        Ha      DI        Main        Ha        DI        Ha        Ha        1        A        L        Ha        DI        A        Ha        L        L <td colspan="2" l<="" t<="" th=""><th>Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Lak:Good Enorgh        Co Cm      2      4      4      1        2      3      1      2      PC Cm        3      4      4      1      2      3      1      2        Ukk:Titted      Ha Cm      3      4      4      1      1      3      2      2        Sisonanne      Ha C      Sisonanne      1      3      2      2</th><th>Sh      Hr        1      4      4        2      2      3      3        Crisis Cycle      As      Hr      1        As      Hr      1      3      2        As      Hr      1      3      2      3        Zero-sum      Co      Hr      3      2      1      3        Pursuit      Pc      Hr      3      4      4      1      2      2      3        Ha      Hr      3      4      4      1      1      2      2      3</th><th>Sh Ba        1      4      4      2        1      3      1      3        Inspector      A      Ba      1        As Ba      1      1      2      3        Int 1      4      2      3      1      2      3        Int 0      Co Ba      2      3      1      3      0uasi Cyclic        PC Ba      2      4      4      2      2      1      3        Ub:Dedoutedept      PC Ba      4      4      2      2      1      3        Ub:Dedoutedept      Ha Ba      3      4      4      2      3      1      1      2</th><th>Sh Ch        1      4      4      3        2      1      3      2        Endless      As Ch      1      1        As Ch      1      4      4      3        3      1      2      2      Inferior Cycle        Co Ch      2      4      4      3        2      1      1      2      Biased Cycle        Po Ch      3      4      4      3        Ha Ch      3      4      4      3        3      1      1      2      Diased Type</th></td>	<th>Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Lak:Good Enorgh        Co Cm      2      4      4      1        2      3      1      2      PC Cm        3      4      4      1      2      3      1      2        Ukk:Titted      Ha Cm      3      4      4      1      1      3      2      2        Sisonanne      Ha C      Sisonanne      1      3      2      2</th> <th>Sh      Hr        1      4      4        2      2      3      3        Crisis Cycle      As      Hr      1        As      Hr      1      3      2        As      Hr      1      3      2      3        Zero-sum      Co      Hr      3      2      1      3        Pursuit      Pc      Hr      3      4      4      1      2      2      3        Ha      Hr      3      4      4      1      1      2      2      3</th> <th>Sh Ba        1      4      4      2        1      3      1      3        Inspector      A      Ba      1        As Ba      1      1      2      3        Int 1      4      2      3      1      2      3        Int 0      Co Ba      2      3      1      3      0uasi Cyclic        PC Ba      2      4      4      2      2      1      3        Ub:Dedoutedept      PC Ba      4      4      2      2      1      3        Ub:Dedoutedept      Ha Ba      3      4      4      2      3      1      1      2</th> <th>Sh Ch        1      4      4      3        2      1      3      2        Endless      As Ch      1      1        As Ch      1      4      4      3        3      1      2      2      Inferior Cycle        Co Ch      2      4      4      3        2      1      1      2      Biased Cycle        Po Ch      3      4      4      3        Ha Ch      3      4      4      3        3      1      1      2      Diased Type</th>		Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Lak:Good Enorgh        Co Cm      2      4      4      1        2      3      1      2      PC Cm        3      4      4      1      2      3      1      2        Ukk:Titted      Ha Cm      3      4      4      1      1      3      2      2        Sisonanne      Ha C      Sisonanne      1      3      2      2	Sh      Hr        1      4      4        2      2      3      3        Crisis Cycle      As      Hr      1        As      Hr      1      3      2        As      Hr      1      3      2      3        Zero-sum      Co      Hr      3      2      1      3        Pursuit      Pc      Hr      3      4      4      1      2      2      3        Ha      Hr      3      4      4      1      1      2      2      3	Sh Ba        1      4      4      2        1      3      1      3        Inspector      A      Ba      1        As Ba      1      1      2      3        Int 1      4      2      3      1      2      3        Int 0      Co Ba      2      3      1      3      0uasi Cyclic        PC Ba      2      4      4      2      2      1      3        Ub:Dedoutedept      PC Ba      4      4      2      2      1      3        Ub:Dedoutedept      Ha Ba      3      4      4      2      3      1      1      2	Sh Ch        1      4      4      3        2      1      3      2        Endless      As Ch      1      1        As Ch      1      4      4      3        3      1      2      2      Inferior Cycle        Co Ch      2      4      4      3        2      1      1      2      Biased Cycle        Po Ch      3      4      4      3        Ha Ch      3      4      4      3        3      1      1      2      Diased Type
Sh Nc        1 3      4        2 1 3      Anticipation        As Nc      1        1 3      4        3 1 2      LdnBest Fave        C 0 Nc      2        2 3      4        3 1      1        Pc Nc      3        3 3      1        Ha Nc      3        3 3      1        1 1      2        Donor      Nc Ne	Sh Ha    4  1  2  4  4    2  1  3  3    4  1  2  4  4    1  2  4  4    2  3  1  2    Co Ha  4  2  2  4    2  3  1  1    4  3  2  4  4    2  1  1  3    Uhb:Syneg  Ha Ha    4  3  2  4    4  3  2  4    2  1  1  3    Harmony  Nc. Ha  Harmony	Sh PC 1 1 4 4 2 2 3 3 Charly As PC 1 1 4 4 3 2 2 3 Lahr Endle CO PC 2 1 4 4 3 2 2 3 Lahr Endle PC PC 2 1 4 4 3 2 2 3 1 4 4 4 2 2 1 3 PEC PC PC PC PC PC PC PC PC PC P	Sh      Co        1      1      4      4        2      3      3      2        As      Co      1      1      4      4        3      3      2      2      Lot      Growenton        Co      Co      2      1      4      4        2      1      4      1      2      2        Val      Co      Co      2      1      4        2      1      4      1      2      3      1      2        Safe Choice      Pc      Co      3      1      4      4        3      1      4      4      1      3      2      2	Sh As 1 2 4 4 2 3 3 1 MMuTnust As As 1 2 4 4 3 3 2 4 4 3 3 2 4 4 3 3 2 4 4 3 3 2 1 Assurance Co As 2 2 4 4 3 3 1 1 Pure Selection Pc As 3 2 4 4 3 3 1 1 Pure Selection Pc As 3 2 4 4 3 3 1 1 Nt As Nt As Nt As	Sh      Sh        1      3      4      4        2      2      3      1      Stag Hunt        As      Sh      1      3      4      4        As      Sh      2      2      1      1        MakuTrast      Co      Sh      2      3      4      4        2      3      3      4      4      2      2      1      1        PC      Sh      3      3      4      4      2      2      1      1        PC      Sh      3      3      4      4      2      1      1      Charity        Ha      Sh      3      3      4      3      3      4      4      2      1      1      Charity      Ha      Sh      3      3      4      3      3      4      3      3      4      3      3      4      3      3      4      3      3      4      3      3      4      3 </th <th>3<sup>7</sup></th> <th>Sh Pd        1 4 4 3        2 2 3 1        Asyn Dilemma        As Pd        1 4 4 3        2 2 3        3 2 2 1        Alibi        Co Pd 3 2 1        2 4 3 2 1        Revelation        Pc Pd 3 4 1        3 4 4 3        3 4 4 3        3 4 4 3        1 2 2 1        Hegemony        No Pd</th> <th>Sh      DI        1      4      2        2      3      3        Hamlet        As      DI        1      4      2        3      3      2      1        1      4      2      3      3        2      3      3      2      1        PC      DI      2      4      4      2        3      3      1      1      1      2      3      1      1        PC      DI      3      4      4      2      3      1      1        Ha      DI      3      4      4      2      1      3      2      1        MML      MA      2      1      3      2      1      MML      MIN      DI</th> <th>Sh Cm        1      4      4      1        2      3      2      3        Big Bully      As Cm      1      4      4        1      4      4      1      3      2      2        Lid: Good Enough      Co Cm      2      4      4      1        2      4      4      1      3      3      1      2        Pic Cm      3      3      1      2      Utk:Tiled      HaCm      3      4      1      1      3      2      2      Dissonance</th> <th>Sh Hr      I      4      1      2      2      3      2      2      3      2      2      3      2      I      3      2      I      3      2      2      3      4      4      1      3      2      2      3      2      I      3      2      2      3      2      2      4      4      1      3      2      2      3      2      4      4      1      3      2      2      3      2      1      3      2      2      4      4      1      3      2      2      3      3      4      1      3      2      2      3      3      4      4      1      3      2      2      3      3      4      4      1      2      2      3      3      4      4      1      3      4      4      1      2      2      3      3      4      4      1      2      2      3      3      4      4<th>Sh Ba        1      4      2        2      1      3        Inspector      Inspector        As Ba      1      4        1      4      4      2        1      4      4      2        Intervention      0      0        Co Ba      2      4      4        2      4      4      2        3      1      1      3        Quasi Cyclic      Velic      Velic      Velic        PC Ba      3      4      4      2        1      1      3      4      4        2      1      1      2      3</th><th>Sh      Ch        1      4      4        2      1      3      2        Endless      As      Ch      3        As      4      4      3      1      2      2        Inferior      Cycle      Co      Co      2      2      4      3      3      1      1      2      Biased      Cycle      Pic Ch      3      3      2      1      1      2      Biased      Type      Ha      Ch      3      1      1      2      Biased      Type      Ha      Ch      3      1      1      2      Sa      4      4      3      1      1      2      2      Sa      3      1      1</th></th>	3 <sup>7</sup>	Sh Pd        1 4 4 3        2 2 3 1        Asyn Dilemma        As Pd        1 4 4 3        2 2 3        3 2 2 1        Alibi        Co Pd 3 2 1        2 4 3 2 1        Revelation        Pc Pd 3 4 1        3 4 4 3        3 4 4 3        3 4 4 3        1 2 2 1        Hegemony        No Pd	Sh      DI        1      4      2        2      3      3        Hamlet        As      DI        1      4      2        3      3      2      1        1      4      2      3      3        2      3      3      2      1        PC      DI      2      4      4      2        3      3      1      1      1      2      3      1      1        PC      DI      3      4      4      2      3      1      1        Ha      DI      3      4      4      2      1      3      2      1        MML      MA      2      1      3      2      1      MML      MIN      DI	Sh Cm        1      4      4      1        2      3      2      3        Big Bully      As Cm      1      4      4        1      4      4      1      3      2      2        Lid: Good Enough      Co Cm      2      4      4      1        2      4      4      1      3      3      1      2        Pic Cm      3      3      1      2      Utk:Tiled      HaCm      3      4      1      1      3      2      2      Dissonance	Sh Hr      I      4      1      2      2      3      2      2      3      2      2      3      2      I      3      2      I      3      2      2      3      4      4      1      3      2      2      3      2      I      3      2      2      3      2      2      4      4      1      3      2      2      3      2      4      4      1      3      2      2      3      2      1      3      2      2      4      4      1      3      2      2      3      3      4      1      3      2      2      3      3      4      4      1      3      2      2      3      3      4      4      1      2      2      3      3      4      4      1      3      4      4      1      2      2      3      3      4      4      1      2      2      3      3      4      4 <th>Sh Ba        1      4      2        2      1      3        Inspector      Inspector        As Ba      1      4        1      4      4      2        1      4      4      2        Intervention      0      0        Co Ba      2      4      4        2      4      4      2        3      1      1      3        Quasi Cyclic      Velic      Velic      Velic        PC Ba      3      4      4      2        1      1      3      4      4        2      1      1      2      3</th> <th>Sh      Ch        1      4      4        2      1      3      2        Endless      As      Ch      3        As      4      4      3      1      2      2        Inferior      Cycle      Co      Co      2      2      4      3      3      1      1      2      Biased      Cycle      Pic Ch      3      3      2      1      1      2      Biased      Type      Ha      Ch      3      1      1      2      Biased      Type      Ha      Ch      3      1      1      2      Sa      4      4      3      1      1      2      2      Sa      3      1      1</th>	Sh Ba        1      4      2        2      1      3        Inspector      Inspector        As Ba      1      4        1      4      4      2        1      4      4      2        Intervention      0      0        Co Ba      2      4      4        2      4      4      2        3      1      1      3        Quasi Cyclic      Velic      Velic      Velic        PC Ba      3      4      4      2        1      1      3      4      4        2      1      1      2      3	Sh      Ch        1      4      4        2      1      3      2        Endless      As      Ch      3        As      4      4      3      1      2      2        Inferior      Cycle      Co      Co      2      2      4      3      3      1      1      2      Biased      Cycle      Pic Ch      3      3      2      1      1      2      Biased      Type      Ha      Ch      3      1      1      2      Biased      Type      Ha      Ch      3      1      1      2      Sa      4      4      3      1      1      2      2      Sa      3      1      1		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      4        3      1      2        Lan.Bet Faor      Co Nc      2        2      3      4        2      1      1        UnitAdd      Ha Nc      3        3      4      1        2      1      1        UnitAdd      Ha Nc      3        3      4      1        2      2      2	Sh Ha      1    2    4    4      2    1    3    3      4    1    2    4    4      2    3    1    2    3      4    1    2    4    4      2    3    1    2    3      4    2    2    4    4      2    2    4    4    2      4    3    2    4    4      2    2    1    1    3      Ha    Ha    1    2    3      Ha    Ha    4    3    2    4      3    2    4    4    3    2    4    4      2    1    1    3    2    4    4    3    2    4    4      3    2    4    4    3    1    1    3    4    3    4    4    3    1    1    2    3    4    4    3    1    1    2 <th>Sh Pc 1 1 4 4 2 2 3 3 Charlty As Pc 1 1 4 4 3 2 2 3 Lath Enable CO Pc 2 1 4 4 3 2 1 3 Pc CO Pc 2 1 4 4 3 2 1 3 Pc 2 2 3 2 4 3 2 4 4 4 4 3 2 2 3 Pc CO Pc 2 1 4 4 4 4 3 2 2 3 2 4 4 4 4 4 4 4 4 3 2 2 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4</th> <th>Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Interference        Co Co      2      1      4      4        3      3      2      2      Safe Choice        Pc Co      3      1      4      4        2      3      1      2      Safe Choice        Ha Co      3      1      4      4        1      3      2      2      3      4        1      3      2      2      3      4        1      3      2      2      2      2        Nc Co      2      1      4      2      3      1      2</th> <th>Sh As        1      2      4      4        1      2      3      3      1        MANLTINE      As      3      1      1        As As      1      2      4      4        3      3      2      1      Assurance        Co As      2      2      4      4        2      3      1      1      Pure Selection        Pic As      3      2      4      4        3      2      4      4      1      1      1      1        Hia As      3      2      4      4      1      3      2      1        Hia As      3      2      4      4      1      3      2      1      1      3      2      1      1      3      2      1      1      3      2      1      1      3      2      2      3      2      1      3      1      1      1      3      2      1      3</th> <th>Sh      Sh        1      3      4      4        2      2      3      1        As      Sh      1      3      4      4        Mathematic Sh      2      2      1      1      3      2      2      1      1        Mathematic Sh      3      3      4      4      3      2      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      2      2      1      1      1      1      1      2      2      1      1      1      1      1      1      1      2      2      1      1      1      1      2      2      1      1      1      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      3      4      1</th> <th>3<sup>7</sup></th> <th>Sh Pd        1 4 4 3        2 2 3 1        Aspm Dilemma        As Pd        1 4 4 3        3 2 2 1        Alibi        Co Pd        2 3 1 4 3        3 2 2 1        Alibi        Po Pd        3 4 4 3        2 2 1 1        Revelation        Po Pd        3 4 4 3        2 2 1 1        Ha Pd        3 4 4 3        1 2 2 1        Hegemony        Nc Pd        2 4 4 - 2</th> <th>Sh      D        1      4      4      2        3      2      3      1        Harmlet      Image: Co      D      Image: Co      D        2      3      3      2      1      Image: Co      D      Image: Co      D      Image: Co      Image: Co</th> <th>Sh Cm 1 4 4 1 2 3 3 2 Big Bully AS Cm 1 4 4 1 3 3 2 Big Bully AS Cm 2 3 3 2 Ldk/Goot Enough CO Cm 2 4 4 1 3 3 1 2 PC Cm 3 4 4 1 2 3 1 2 Udk/Goot Enough 4 1 2 2 3 1 2 Udk/Goot Enough 4 1 2 2 3 4 4 1 3 3 1 2 Udk/Goot Enough 3 4 4 1 2 3 1 2 Udk/Goot Enough 1 2 3 1 2 Udk/Goot Enough 1 2 3 1 2 Udk/Goot Enough 1 3 2 2 3 1 2 Udk/Tited Ha Cm 3 4 4 1 1 3 2 2 3 1 2 Udk/Tited Ha Cm 3 4 2 2 Dissonance NC Cm</th> <th>Sh      Hr      1      4      4      1        1      2      2      3      3      Crisis Cycle        As      Hr      1      3      2      2      3      Zero-sum        Co      Hr      1      3      2      1      3      Pursuit      Porture      Porture      4      4      1      2      2      1      3      Pursuit      Porture      Ha      Hr      3      4      4      1      1      2      2      1      3      Ha      Hr      3      4      4      1      1      2      2      1      3      Ha      H      1      2      2      1      3      Ha      Hr      3      4      4      1      1      2      2      1      3      Ha      Ha      1      1      2      2      3      3      La      4      4      1      1      2      2      3      La      A      4      1      1      2</th> <th>Sh Ba        1      4      4      2        2      1      3      3      Inspector        As Ba      1      3      2      3      Inspector        As Ba      1      2      3      Inspector      3      Inspector      3        Int 4      4      2      3      Inspector      Inspector      3      Inspector      Inspector      3      Inspector      Inspector</th> <th>Sh      Ch        1      4      4      3        2      1      3      2      Endless        As      Ch      1      3      1      2      2        Inferior Cycle      Co      Ch      1      2      2      Inferior Cycle        Biased Cycle      Pc      Ch      3      4      4      3        3      4      4      3      1      1      2      Biased Cycle        Ha      Ch      3      4      4      3      1      1      2      2        Samaritan      1      1      2      2      Samaritan      1      1      2      2      Samaritan      1      2      2      3      3      1      2      3      3      1      2      3      4      4      3      3      1      2      3      1      1      2      3      3      1      1      3      2      3      1      1      3      3      &lt;</th>	Sh Pc 1 1 4 4 2 2 3 3 Charlty As Pc 1 1 4 4 3 2 2 3 Lath Enable CO Pc 2 1 4 4 3 2 1 3 Pc CO Pc 2 1 4 4 3 2 1 3 Pc 2 2 3 2 4 3 2 4 4 4 4 3 2 2 3 Pc CO Pc 2 1 4 4 4 4 3 2 2 3 2 4 4 4 4 4 4 4 4 3 2 2 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Interference        Co Co      2      1      4      4        3      3      2      2      Safe Choice        Pc Co      3      1      4      4        2      3      1      2      Safe Choice        Ha Co      3      1      4      4        1      3      2      2      3      4        1      3      2      2      3      4        1      3      2      2      2      2        Nc Co      2      1      4      2      3      1      2	Sh As        1      2      4      4        1      2      3      3      1        MANLTINE      As      3      1      1        As As      1      2      4      4        3      3      2      1      Assurance        Co As      2      2      4      4        2      3      1      1      Pure Selection        Pic As      3      2      4      4        3      2      4      4      1      1      1      1        Hia As      3      2      4      4      1      3      2      1        Hia As      3      2      4      4      1      3      2      1      1      3      2      1      1      3      2      1      1      3      2      1      1      3      2      2      3      2      1      3      1      1      1      3      2      1      3	Sh      Sh        1      3      4      4        2      2      3      1        As      Sh      1      3      4      4        Mathematic Sh      2      2      1      1      3      2      2      1      1        Mathematic Sh      3      3      4      4      3      2      1      1      1      1      1     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Image: Co      D      Image: Co	Sh Cm 1 4 4 1 2 3 3 2 Big Bully AS Cm 1 4 4 1 3 3 2 Big Bully AS Cm 2 3 3 2 Ldk/Goot Enough CO Cm 2 4 4 1 3 3 1 2 PC Cm 3 4 4 1 2 3 1 2 Udk/Goot Enough 4 1 2 2 3 1 2 Udk/Goot Enough 4 1 2 2 3 4 4 1 3 3 1 2 Udk/Goot Enough 3 4 4 1 2 3 1 2 Udk/Goot Enough 1 2 3 1 2 Udk/Goot Enough 1 2 3 1 2 Udk/Goot Enough 1 3 2 2 3 1 2 Udk/Tited Ha Cm 3 4 4 1 1 3 2 2 3 1 2 Udk/Tited Ha Cm 3 4 2 2 Dissonance NC Cm	Sh      Hr      1      4      4      1        1      2      2      3      3      Crisis Cycle        As      Hr      1      3      2      2      3      Zero-sum        Co      Hr      1      3      2      1      3      Pursuit      Porture      Porture      4      4      1      2      2      1      3      Pursuit      Porture      Ha      Hr      3      4      4      1      1      2      2      1      3      Ha      Hr      3      4      4      1      1      2      2      1      3      Ha      H      1      2      2      1      3      Ha      Hr      3      4      4      1      1      2      2      1      3      Ha      Ha      1      1      2      2      3      3      La      4      4      1      1      2      2      3      La      A      4      1      1      2	Sh Ba        1      4      4      2        2      1      3      3      Inspector        As Ba      1      3      2      3      Inspector        As Ba      1      2      3      Inspector      3      Inspector      3        Int 4      4      2      3      Inspector      Inspector      3      Inspector      Inspector      3      Inspector	Sh      Ch        1      4      4      3        2      1      3      2      Endless        As      Ch      1      3      1      2      2        Inferior Cycle      Co      Ch      1      2      2      Inferior Cycle        Biased Cycle      Pc      Ch      3      4      4      3        3      4      4      3      1      1      2      Biased Cycle        Ha      Ch      3      4      4      3      1      1      2      2        Samaritan      1      1      2      2      Samaritan      1      1      2      2      Samaritan      1      2      2      3      3      1      2      3      3      1      2      3      4      4      3      3      1      2      3      1      1      2      3      3      1      1      3      2      3      1      1      3      3      <		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      1        1      3      1        Ldn.Best Faur      Co Nc        2      3      4        3      1      1        PC NC      3      3        2      3      4        1      1      2        Uhrikdt      Ha NC      3        Donor      Nc Nc        2      3      4        1      1      2        Dot      Nc Nc      2        3      4      1	Sh Ha      4    1    2    4    4      2    1    3    3      As Ha    4    2    4    4      2    3    1    2    3    1    2      4    2    2    4    4    2    4    4      2    3    1    1    3    1    1    3      4    3    2    4    4    2    1    1    3    1    1    3    1    1    3    1    1    3    1    1    3    1    1    3    1    1    3    1    1    3    1    1    3    1    1    3    1    1    1    1    1    1    1    1    3    1 <th>Sh Pc 1 1 4 4 2 2 3 3 Charity As Pc 1 1 4 4 3 2 2 3 Charity Co Pc 2 1 4 4 3 2 1 3 Pc Pc 3 1 4 4 2 2 1 3 Pc Pc 3 1 4 4 2 2 3 NC Pc 2 1 3 Pc Pc 3 1 4 4 2 2 3 NC Pc 2 1 4 4 4 2 2 3 NC Pc 2 1 4 4 1 2 2 3 NC Pc 3 1 4 4 1 2 2 3 NC Pc 3 1 4 4 1 2 2 3 1 2 2 3 1 2 2 3 1 2 2 3 1 2 4 4 1 2 2 3 1 2 4 4 1 2 2 3 1 2 2 3 1 2 4 4 1 2 2 3 1 2 2 3 1 2 4 4 1 3 4 1 2 2 3 1 3 4 1 4 4 1 2 2 3 1 3 1 4 4 1 2 2 3 1 3 1 4 4 1 3 2 2 3 1 3 1 4 4 1 3 2 2 3 1 3 1 4 4 1 3 2 2 3 1 4 4 1 3 2 2 3 1 4 4 1 4 4 1 3 2 2 3 1 4 4 1 4 4 1 4 4 1 7 2 2 3 1 3 1 4 4 1 7 2 2 3 1 3 1 4 4 1 7 2 3 1 4 4 1 7 2 3 1 7 4 1 7 4 1 7 4 1 7 4 1 7 7 1 7 7</th> <th>Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Lata Convention        Co Co      2      1      4      4        3      3      1      2      Safe Choice        Pc Co      3      1      4      4        2      3      1      4      4        2      3      1      2      Safe Choice        Ha Co      3      1      4      4        3      2      3      1      4        2      3      1      4      4        1      3      2      2      Nc Co        2      1      4      4      3      2</th> <th>Sh As        1      2      4      4        2      3      3      1        MANUTINIS      As As      3      2      1        As As      3      2      1      Assurance        Co As      2      2      4      4        3      3      2      1        Pure Selection      Pic As      3      1      1        Puc Selection      Pic As      3      2      4      4        3      2      4      4      1      3      2      1        Uke Entitle      Ha As      3      2      4      4      1      3      2      1        Nc As      2      2      4      4      1      3      1      1</th> <th>Sh      Sh        1      3      4      4        2      2      3      1        As      Sh      1      3      4      4        1      3      4      4      3      2      1      1        MultiTout      Co      Sh      2      2      3      4      4      3      2      1      1      Dec      Sh      3      4      4      2      2      1      1      Charity      Ha      Sh      3      3      4      4      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1<!--</th--><th></th><th>Sh      Pd        1      4      3        2      2      3        Asym Dilemma      Asym Dilemma        Asym Dilemma      Asym Dilemma        Asym Dilemma      3        1      4      4        3      2      1        Althi      FO Pd      2      4        3      2      1      1        Revelation      FO Pd      3      4        3      2      1      1        Ltd:Remotable      Ha Pd      3      4        3      2      2      1        Utd:Remotable      Ha Pd      3      4        3      2      2      1        Hegemony      Nc Pd      4      3</th><th>Sh      DI        1      4      2        2      3      3        Hamlet     </th><th>Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Lak:Good Enorgh        Co Cm      2      4      1      3      1      2        Ukk:Tited      Ha Cm      Ha Cm      Ha Cm      1      3      2      2      Ukk:Tited        3      4      4      1      3      2      2      Dissonance        Nc Cm      2      4      4      1      3      2      2</th><th>Sh      H      1      4      2      2      3      3      Crisis Cycle        As      Hr      1      3      2      2      3      3      Crisis Cycle      As      Hr      1      1      4      4      1      3      2      2      3      3      Zero-sum      Co      Hr      3      2      2      3      3      Zero-sum      Co      Hr      3      2      1      3      Pursuit      Poc      Hr      3      4      4      1      2      2      3      3      H      H      1      2      2      3      3      M      H      H      1      2      2      3      3      M      H      H      1      2      2      3      3      M      H      1      2      2      3      3      1      1      2      2      3      3      2      3      3      3      3      1      1      2      2      3      3</th><th>Sh Ba        1      4      4      2        1      3      1      3        Inspector      As Ba      1      1        As Ba      1      1      2      3        Int 1      4      2      3      1      2      3        Int 0      Co Ba      2      4      4      2      3      1      1      3        Quasi Cyclic      PC Ba      2      4      4      2      1      1      3        Uh: Disadvertage      Ha Ba      4      4      2      1      1      2        Ma Ba      4      4      2      1      1      2        Nc Ba      2      4      4      2      3      1      2      3</th><th>Sh      Ch        1      4      4      3        2      1      3      2      Endless        As      Ch      1      4      4        3      1      2      2      Inferior      Cycle        Co      CH      2      4      4      3      3      1      1      2        Biased      Cycle      Ha      Ch      1      1      2      2        Biased      Type      Ha      Ch      3      1      1      2        Samaritan      D      Nc      Ch      2      4      3      1      1      2        Samaritan      Nc      Ch      2      4      4      3      1      1      2      2      Samaritan      1      1      2      2      3      1      1      2      2      3      1      1      2      2      3      1      1      2      2      3      3      1      1      2</th></th>	Sh Pc 1 1 4 4 2 2 3 3 Charity As Pc 1 1 4 4 3 2 2 3 Charity Co Pc 2 1 4 4 3 2 1 3 Pc Pc 3 1 4 4 2 2 1 3 Pc Pc 3 1 4 4 2 2 3 NC Pc 2 1 3 Pc Pc 3 1 4 4 2 2 3 NC Pc 2 1 4 4 4 2 2 3 NC Pc 2 1 4 4 1 2 2 3 NC Pc 3 1 4 4 1 2 2 3 NC Pc 3 1 4 4 1 2 2 3 1 2 2 3 1 2 2 3 1 2 2 3 1 2 4 4 1 2 2 3 1 2 4 4 1 2 2 3 1 2 2 3 1 2 4 4 1 2 2 3 1 2 2 3 1 2 4 4 1 3 4 1 2 2 3 1 3 4 1 4 4 1 2 2 3 1 3 1 4 4 1 2 2 3 1 3 1 4 4 1 3 2 2 3 1 3 1 4 4 1 3 2 2 3 1 3 1 4 4 1 3 2 2 3 1 4 4 1 3 2 2 3 1 4 4 1 4 4 1 3 2 2 3 1 4 4 1 4 4 1 4 4 1 7 2 2 3 1 3 1 4 4 1 7 2 2 3 1 3 1 4 4 1 7 2 3 1 4 4 1 7 2 3 1 7 4 1 7 4 1 7 4 1 7 4 1 7 7 1 7 7	Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      Lata Convention        Co Co      2      1      4      4        3      3      1      2      Safe Choice        Pc Co      3      1      4      4        2      3      1      4      4        2      3      1      2      Safe Choice        Ha Co      3      1      4      4        3      2      3      1      4        2      3      1      4      4        1      3      2      2      Nc Co        2      1      4      4      3      2	Sh As        1      2      4      4        2      3      3      1        MANUTINIS      As As      3      2      1        As As      3      2      1      Assurance        Co As      2      2      4      4        3      3      2      1        Pure Selection      Pic As      3      1      1        Puc Selection      Pic As      3      2      4      4        3      2      4      4      1      3      2      1        Uke Entitle      Ha As      3      2      4      4      1      3      2      1        Nc As      2      2      4      4      1      3      1      1	Sh      Sh        1      3      4      4        2      2      3      1        As      Sh      1      3      4      4        1      3      4      4      3      2      1      1        MultiTout      Co      Sh      2      2      3      4      4      3      2      1      1      Dec      Sh      3      4      4      2      2      1      1      Charity      Ha      Sh      3      3      4      4      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1      2      2      1      1 </th <th></th> <th>Sh      Pd        1      4      3        2      2      3        Asym Dilemma      Asym Dilemma        Asym Dilemma      Asym Dilemma        Asym Dilemma      3        1      4      4        3      2      1        Althi      FO Pd      2      4        3      2      1      1        Revelation      FO Pd      3      4        3      2      1      1        Ltd:Remotable      Ha Pd      3      4        3      2      2      1        Utd:Remotable      Ha Pd      3      4        3      2      2      1        Hegemony      Nc Pd      4      3</th> <th>Sh      DI        1      4      2        2      3      3        Hamlet     </th> <th>Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Lak:Good Enorgh        Co Cm      2      4      1      3      1      2        Ukk:Tited      Ha Cm      Ha Cm      Ha Cm      1      3      2      2      Ukk:Tited        3      4      4      1      3      2      2      Dissonance        Nc Cm      2      4      4      1      3      2      2</th> <th>Sh      H      1      4      2      2      3      3      Crisis Cycle        As      Hr      1      3      2      2      3      3      Crisis Cycle      As      Hr      1      1      4      4      1      3      2      2      3      3      Zero-sum      Co      Hr      3      2      2      3      3      Zero-sum      Co      Hr      3      2      1      3      Pursuit      Poc      Hr      3      4      4      1      2      2      3      3      H      H      1      2      2      3      3      M      H      H      1      2      2      3      3      M      H      H      1      2      2      3      3      M      H      1      2      2      3      3      1      1      2      2      3      3      2      3      3      3      3      1      1      2      2      3      3</th> <th>Sh Ba        1      4      4      2        1      3      1      3        Inspector      As Ba      1      1        As Ba      1      1      2      3        Int 1      4      2      3      1      2      3        Int 0      Co Ba      2      4      4      2      3      1      1      3        Quasi Cyclic      PC Ba      2      4      4      2      1      1      3        Uh: Disadvertage      Ha Ba      4      4      2      1      1      2        Ma Ba      4      4      2      1      1      2        Nc Ba      2      4      4      2      3      1      2      3</th> <th>Sh      Ch        1      4      4      3        2      1      3      2      Endless        As      Ch      1      4      4        3      1      2      2      Inferior      Cycle        Co      CH      2      4      4      3      3      1      1      2        Biased      Cycle      Ha      Ch      1      1      2      2        Biased      Type      Ha      Ch      3      1      1      2        Samaritan      D      Nc      Ch      2      4      3      1      1      2        Samaritan      Nc      Ch      2      4      4      3      1      1      2      2      Samaritan      1      1      2      2      3      1      1      2      2      3      1      1      2      2      3      1      1      2      2      3      3      1      1      2</th>		Sh      Pd        1      4      3        2      2      3        Asym Dilemma      Asym Dilemma        Asym Dilemma      Asym Dilemma        Asym Dilemma      3        1      4      4        3      2      1        Althi      FO Pd      2      4        3      2      1      1        Revelation      FO Pd      3      4        3      2      1      1        Ltd:Remotable      Ha Pd      3      4        3      2      2      1        Utd:Remotable      Ha Pd      3      4        3      2      2      1        Hegemony      Nc Pd      4      3	Sh      DI        1      4      2        2      3      3        Hamlet	Sh Cm        1      4      4      1        2      3      3      2      Big Bully        As Cm      1      4      4      1        3      3      2      2      Lak:Good Enorgh        Co Cm      2      4      1      3      1      2        Ukk:Tited      Ha Cm      Ha Cm      Ha Cm      1      3      2      2      Ukk:Tited        3      4      4      1      3      2      2      Dissonance        Nc Cm      2      4      4      1      3      2      2	Sh      H      1      4      2      2      3      3      Crisis Cycle        As      Hr      1      3      2      2      3      3      Crisis Cycle      As      Hr      1      1      4      4      1      3      2      2      3      3      Zero-sum      Co      Hr      3      2      2      3      3      Zero-sum      Co      Hr      3      2      1      3      Pursuit      Poc      Hr      3      4      4      1      2      2      3      3      H      H      1      2      2      3      3      M      H      H      1      2      2      3      3      M      H      H      1      2      2      3      3      M      H      1      2      2      3      3      1      1      2      2      3      3      2      3      3      3      3      1      1      2      2      3      3	Sh Ba        1      4      4      2        1      3      1      3        Inspector      As Ba      1      1        As Ba      1      1      2      3        Int 1      4      2      3      1      2      3        Int 0      Co Ba      2      4      4      2      3      1      1      3        Quasi Cyclic      PC Ba      2      4      4      2      1      1      3        Uh: Disadvertage      Ha Ba      4      4      2      1      1      2        Ma Ba      4      4      2      1      1      2        Nc Ba      2      4      4      2      3      1      2      3	Sh      Ch        1      4      4      3        2      1      3      2      Endless        As      Ch      1      4      4        3      1      2      2      Inferior      Cycle        Co      CH      2      4      4      3      3      1      1      2        Biased      Cycle      Ha      Ch      1      1      2      2        Biased      Type      Ha      Ch      3      1      1      2        Samaritan      D      Nc      Ch      2      4      3      1      1      2        Samaritan      Nc      Ch      2      4      4      3      1      1      2      2      Samaritan      1      1      2      2      3      1      1      2      2      3      1      1      2      2      3      1      1      2      2      3      3      1      1      2		
Sh      Nc        1      3      4        2      1      3        Anticipation      As      Nc        1      3      4        3      1      2        Ldn.Best Faver      Co      Nc        2      3      1        Pic      Nc      3        3      3      1        Lithr.Nd      Ha      Nc        3      3      3      1        Donor      Nc      Nc        2      3      A      1        1      1      2      3        1      1      3      4        1      1      3      3	Sh Ha      4    1    2    4    4      1    2    4    3    3      1    As Ha    4    1    2    4      4    1    2    4    4    2    4    4      2    3    1    2    3    4    4    2    4    4	Sh Pc 1 1 4 4 2 2 3 3 Charly As Pc 1 1 4 4 3 2 2 3 Lahcharle CO Pc 2 1 4 4 3 2 2 3 Lahcharle PC Pc 2 1 4 4 2 2 1 3 Peace Ha Pc 2 1 2 3 NC Pc 2 3 3 NC Pc 2 3 3 4 4 3 2 2 2 3 3 1 4 4 3 1 4 4 3 2 2 2 3 3 1 4 4 1 2 2 3 3 1 2 2 3 3 1 4 4 4 3 1 4 4 1 2 2 3 3 1 2 1 4 4 1 2 2 3 3 1 4 4 1 1 2 2 3 3 1 1 4 4 1 1 2 3 3 1 1 4 4 1 1 2 3 1 1 4 4 1 1 2 3 1 1 1 4 4 1 1 2 3 1 1 1 4 4 1 1 2 3 1 1 1 4 4 1 1 1 1 4 4 1 1 2 3 1 1 1 4 4 1 1 1 2 3 1 1 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sh      Co        1      1      4      4        2      3      3      2        As      Co      1      1      4      4        1      1      3      2      2      Lat.      Co      2        Lat.      Co      Co      2      1      4      4      3      3      1      2      Safe Choice      PC Co      3      1      4      3      1      2      3      1      4      4      1      3      2      2      Ha      Co      3      1      4      4      1      3      2      2      Ha      4      1      3      2      2      Nc      Co      2      1      4      4      1      3      3      2      2      Nc      Co      2      1      4      4      1      3      2      2      3      1      4      4      1      3      2      2      Nc      Co      2      1	Sh As        1      2      4      4        2      3      3      1      1        MMuTnat      As      As      3      2      4      4        3      3      2      4      4      3      3      2      4      4        3      3      2      2      4      4      3      3      2      2      2      4      4      3      3      1      1      Pure Selection      Pic As      3      2      2      4      4      2      3      1      1      Pure Selection      Pic As      3      2      2      4      4      2      3      1      1      UtoEnable      Ha As      3      2      3      1      1      3      1      1      3      1      1      3      1      1      3      1      1      3      2      1      3      3      1      1      3      1      1      3      2      1      3	Sh      Sh        1      3      4      4        2      2      3      1      3      4      4        As      Sh      1      3      2      2      1      1        Make      Total      2      2      3      4      4      2      2      1      1      2      3      4      4      2      2      1      1      2      3      3      4      4      2      2      1      1      Charity      Ha      Sh      3      3      4      4      2      2      1      1      Charity      Ha      Sh      3      3      4      4      1      2      2      1      1      L      2      1      1      1      1      2      2      1      1      2      1      1      2      1      1      2      1      1      2      3      3      4      4      1      2      1      1      2      3	3 <sup>37</sup>	Sh Pd        1 4 4 3        2 2 3 1        Asyn Dilemma        As Pd        1 4 4 3        2 2 3        Asyn Dilemma        As Pd        1 4 4 3        2 2 2        2 3 4 4 3        3 4 4 3        3 4 4 3        3 4 4 3        3 4 4 3        3 4 4 3        3 4 4 3        1 2 2 1        Hegemony        Nc Pd        2 4 4 3        1 2 3 1        Nc Pd        2 4 3 1	Sh      DI        1      4      2        2      3      3        Hamlet      1      4      2        3      3      2      1        1      4      4      2        3      3      2      1        Co      DI      2      4        2      4      4      2        3      3      1      1        PC      DI      3      4        2      3      3      1      1        Ha      DI      3      4      4      2        3      4      4      2      1      3      1        MMALEXENDING      Max      4      2      1      3      1        VMALEXENDING      Max      4      2      1      3      1	Sh Cm        1      4      4      1        Big Bully      As Cm      1      4      1        As Cm      1      4      4      1        3      3      2      2      3      3      2        Co Cm      2      4      4      1      3      3      3      1      2        Pc Cm      3      4      4      1      3      2      2        UkkTiled      Ha Cm      3      4      4      1        1      3      2      2      Dissonance      Nc Cm	Sh Hr      I      4      1      2      2      3      2      I      3      Crisis Cycle      As      Hr      1      4      4      1      3      2      Z      3      2      I      3      2      I      3      Z      I      3      2      I      3      2      I      3      Pursuit      Portsuit      Portsuit      Portsuit      Portsuit      Portsuit      I      2      2      I      3      I      3      4      4      1      2      2      3      3      I      I      1      2      2      3      3      I      I      1      2      2      3      3      I      I      1      2      2      3      3      I      I      1      2      3      3      I      I      1      2      3      3      I      I      1      2      3      3      I      1      2      3      3      I      I      1 <th2< th=""></th2<>	Sh      Ba        1      4      4      2        1      3      1      2        1      3      1      2        1      4      4      2        3      1      2      3        1      4      4      2        3      1      2      3        UbbClock      0      0      0        Quasi Cyclic      Pc Ba      3      4        2      1      1      3      4        1      2      3      4      2        1      1      2      3      4        2      1      1      2      3        Nc Ba      2      4      4      2        1      1      2      3      1      3	Sh      Ch        1      4      4        2      1      3      2        Endless      Inferior      Cycle      1        As      CA      3      1      2      2        Inferior      Cycle      Based      Cycle      Based      Cycle        Pc      Ch      3      3      1      1      2        Based      Type      Ha      Ch      3      1      1      2        Based      Type      Ha      Ch      3      1      1      2      2        Samartian      D      Ch      3      4      4      3      1      1      2      2        Samartian      D      Nc      Ch      3      1      1      3      2		
Sh Nc        1      3      4        2      1      3        Anticipation      As Nc        1      3      4        3      1      2        Lan.Best Faur      Co Nc      2        2      3      4        3      1      1        Pc Nc      3      3        2      1      1        Unit.Mat      Ha Nc      3        3      1      2        Donor      Nc Nc      2        1      1      2        0      Nc Nc      2        2      1      1        State      1      1	Sh Ha        1      2      4      4        2      1      3      3        4      1      2      4      4        2      3      1      2      3        4      2      2      4      4        2      3      1      1      3        4      3      2      4      4        2      2      1      1      3        UNLNSymeg      Ha      Ha      2      4      4        3      2      4      4      2      4      4        3      2      4      4      3      2      4      4        3      2      4      4      3      2      4      4        1      1      1      3      3      Harrowy      4      2      4      4      3      2      4      4      3      2      4      4      3      2      4      3      3      3      3	Sh Pc 1 1 4 4 2 2 3 3 Charity As Pc 1 1 4 4 3 2 2 3 Charity Cop Pc 2 1 4 4 3 2 1 3 Pc Pc 2 1 4 4 3 2 1 3 Pc Pc 2 1 4 4 1 2 2 3 NE Pc Pc 2 1 4 4 1 2 3 1 4 4 3 2 3 1 4 4 1 2 3 1 2 3 1 4 4 1 2 3 1 3 4 4 1 2 3 1 4 4 4 1 2 3 1 3 1 1 4 4 4 1 3 3 1 4 4 4 1 4 5 1 4 4 4 1 4 5 1 4 4 4 1 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	Sh Co        1      1      4      4        2      3      3      2        As Co      1      1      4      4        3      3      2      2      1        Lat Convention      Co      Co      2      1      4      4        3      3      1      2      Safe Choice      FPc Co      3      1      4      4      2      3      1      2      3      1      2      3      1      2      3      1      4      4      1      3      2      2      Ha Co      3      1      4      4      1      3      2      2      Nc Co      2      1      4      4      1      3      3      2      1      4      4      1      3      3      2      2      Nc Co      2      1      4      4      1      3      3      2      1      3      3      2      1      3      3      2      1      <	Sh      As        1      2      3      3        1      2      3      3        MANLThat      As      3      1        As As      1      2      4      4        3      3      2      1      Assurance        Co      As      1      1      Pure Selection        Pic As      3      2      4      4        3      2      4      4      1      3      2        Ha      As      3      2      4      4      1      3      2      1        Understeide      Ha      As      2      2      4      4        1      3      2      1      4      4      3      2      1        No      As      2      2      4      4      1      3      2      1      1      1      1      3      3      1      1      1      3      3      1      1      1      3      3	Sh Sh        1      3      4      4        2      2      3      1      Stag Hunt        As Sh      1      3      4      4        3      2      2      1      Multification        2      3      3      4      4        3      2      1      1      Pc Sh        3      3      4      4      2      2      1        Pc Sh      3      3      4      4      2      2      1        Charity      Ha Sh      3      3      4      4      2      2      1        Nc Sh      2      3      4      4      3      2      4      4        1      2      2      1      1      Nc      Sh      3      4      4      1      2      2      1      1      2      3      4      4      1      2      2      1      1      1      2      2      1      1      1		Sh      Pd        1      4      3        2      2      3        Asym Dilemma      Asym Dilemma        As Pd      1        4      3        3      2      2        Alibi      Co Pd        Co Pd      1        Revelation      Pc Pd        3      4      4        3      4      4        3      4      4        3      4      4        3      4      4        Ha Pd      3      4        3      4      4        1      2      2        Ha Pd      3      4        2      4      4        1      2      2        No Pd      2      4        2      1      2        1      2      3	Sh      DI        1      4      4      2        3      2      3      1        Hamlet      Co      DI      1        4      4      2      3      3      2      1        1      4      4      2      3      3      1      1        CO      DI      2      4      4      2      3      1      1        PC      DI      3      4      4      2      3      1      1        Ha      DI      3      4      4      2      3      1      1        MM: Jaty Hyde      NC      DI      2      4      2      3      1      1        MM: Jaty Hyde      NC      DI      2      4      2      1      3      4      2        1      MM: Jaty Hyde      NC      DI      3      4      2      3      3      1	Sh Cm        1      4      4      1        2      3      3      1        Big Bully      As Cm      1      1      4      1        1      4      4      1      3      2      2        Lak:Good Enogh      Co Cm      Co Cm      3      1      2        Value      A      4      1      2      3      1      2        Value      Ha Cm      3      4      4      1      1      3      2      2        Issonance      No Cm      2      4      4      1      1      3      2      2        I      3      2      2      1      4      1      1      3      2      2        Disconance      No Cm      2      4      4      1      3      3      1      3      3      2      2        Uruk:Tited      J      3      3      1      2      3      3      1      3      3      1<	Sh H      1      2      3      3        Crisis Cycle      As Hr      1      3      2      3      3        Crisis Cycle      As Hr      1      3      2      2      3      3        Zero-sum      Co Hr      2      4      4      1      3      2      1      3        Pursuit      Fc Hr      3      4      4      1      2      2      3        Ha Hr      3      4      4      1      2      2      3        Ha Hr      3      4      4      1      2      2      3        Ha Hr      3      4      4      1      2      2      3        Ha Hr      3      4      4      1      2      2      3      1	Sh      Ba        1      4      4      2        2      1      3      3        Inspector      As      Ba      1        As      Ba      1      2      3        1      4      4      2      3      1      1      3        Quasi Cyclic      Co      Ba      -	Sh      Ch        1      4      4        3      2      1      3        Endless		

	Le	əft	Rig	ht			Layers	Dominant Strategies		High Swaps	(3><4) Link Layers
Up	1	4	3	3	Payoffs Row Column	Col L4	umn Discord	L4 👫 1 0 1 0 L1	ſ	Table and	Bands of games slide across layers
Down			4	1	Nash equilbrium shaded		4 4 4,4 4 4	↓ 2 1 2 1 ↓ 1 0 1 0	$\leq$	layers wrap around	columns, e.g. HaCh> <pcsh< th=""></pcsh<>
	Priso	ner's	Dilem	ma	Pareto-inferior in white font	L3 Win	-win Row	$ \begin{array}{c} L3 \ddagger 2 1 2 1 \underline{L2} \\ \Rightarrow \end{array} \begin{array}{c} 1 \\ \end{array} \end{array} \begin{array}{c} 1 \\ \end{array} \begin{array}{c} 1 \\ \end{array} \end{array} \begin{array}{c} 1 \\ \end{array} \end{array} $	l	$\mathbb{W}$	ı 🖂
										ũ	

b. EDGE GAMES: Symmetric ordinal games with three payoff ranks and equal ranks (ties) for two outcomes. Low, middle, or high ties games lie between strict games. Low swaps (1><2) link four strict games in a tile. Low ties (1~2 half swaps) make a game at the center of the tile. High ties (3~4) simplify into primal archetypes.

#### c. VERTEX GAMES

	LAYER	SAFE				
	Basic: 1 like, 3 dislikes	Maximin: 1 dis	Maximin: 1 dislike, 3 likes			
	Bd Bh L4 Bd Bd L	.1 Tk Th S2	Tk Tk S1			
	1 1 1 4 1 4 1	1 4 4 4 4	4 1 4 4			
ORIGIN	1 1 4 1 1 1 4	1 4 1 1 4	4 4 1 4			
Zero	Basic Threat Discord	Safe Side	Safe Cell			
Ze Ze	Bh Bh L3 Bh Bd	.2 Th Th S3	Th Tk S4			
0 0 0 0	1 1 4 4 1 4 4	1 4 4 4 4	4 1 4 4			
0 0 0 0	1 1 1 1 1 1 1	1 1 1 4 4	1 4 4 4			

				a, creating	
PRIMAL		Du Du	P3 D::D	Du Dh <sub>1</sub> P8 L1:L2	Du Do <sub>1</sub> P7 D::C
2 likes, 2 dislik	es	1 4	4 4	1441	1 4 4 1
		1 1	4 1	1 4 4 1	1 1 4 4
		Excha	inge	Win-Lose	Favors
	Do Do P2L1:	L3 <mark>Do</mark> Du	P7 C::D	Do Dh <sub>1</sub> P5 C::H	DoDo1 P4 L2:L4
	1 1 4 4	1 4	4 4	1 4 4 1	1 4 4 1
	4 4 1	4 1	1 1	4 4 1 1	4 1 1 4
	Coordinatio	n Favo	s	Help	Conflict
Dh Dh P1H::H	Dh Do P5 H::	C <mark>Dh</mark> Dւ	P6 L2:L3	Dh Dh1 P1 H::H	DhDo1 P5 H::C
4 1 4 4	4 1 4 4	4 4	4 4	4 4 4 1	4 4 4 1
1 1 1 4	141	1 1 1	1 1	1 4 1 1	1 1 1 4
Independence	Help	Gift		Independence	Help

A high swap transforms Safe Choice or Assurance into an asymmetric game combining payoffs from Leader and Hero. High swaps link the two tiles to form a hotspot. The cyclic tiles on Layers 2 and 4 are similarly linked diagonally. Thus, the Central (C, as in coordination and cyclic) bands criss-cross diagonally. This linkage provides useful landmarks for visualizing high swaps. Other games in these bands similarly "slide and switch." Within each tile, row swaps again turn into games above or below on the linked tile. Column swaps turn into games on the left or right. Thus a column swap for Protector (DIBa) slides diagonally and turns into a win-win game (HaCo). One player still has a dominant strategy, but now the other player can also get their best outcome. A row swap for the other version of Protector (BaDl), correspondingly turns into CoHa.

Another way to think about the high swap links is to remember that high swaps for both Row and Column turn Compromise into Harmony and Deadlock into Peace. Other games in the same row or column follow the same pattern. A swap only for Row would slide horizontally and switch rows to link to the equivalently located tile on Layer 2, while a swap for Column would slide vertically and switch columns to link to the equivalently located tile on Layer 4. The combination of these linkages joins the four tiles into the Harmony pipe. Hotspots similarly link two layers, as in the cyclic hotspot connecting Layer 2 and Layer 4.

Visualization of payoffs at equilibrium in the topology of 2x2 games shows broad regions of better and worse outcomes that differ in their stability in response to changes in preferences (Bruns 2015). Analysis of how archetypal games generate strict games further illustrates these broad differences in results and robustness with half the archetypes generating hotspots and pipes of games with good results (best or second-best, shown in green, blue, and yellow) and the other half of the families usually yielding poor results for at least one actor. Families of primal archetypes as well as high swap linkages show how the landscape of 2x2 games depicted in the dominant strategy layout consists of "highland plateaus of stability" with relatively good outcomes at equilibrium which are bordered by "chaotic terrain" with poor results for one or both. More colloquially, these could be called "nice" games with good outcomes and "nasty" games that generate inequality. In the precipitous region of unequal equilibrium outcomes, game structures and outcomes are sensitively dependent on changes in the ranking of outcomes. This includes the risk of getting stuck in a canyon, trapped in a deeply unsatisfactory situation where both get second-worst results. Those trying to navigate such institutional landscapes face diverse challenges of miscoordination, instability, inequality and inefficiency.

### 4. Ties make games between

Games with ties lie "between" the strict ordinal games, linked by "half-swaps" that make or break ties (Robinson et al. 2007, Heilig 2012, Hopkins 2014, Bruns 2015). Figure A5a shows a tile of games linked by low swaps (1><2) for Assurance, Safe Choice, and the games that combine their payoffs (CoAs and AsCo). Figure A5b shows an expanded tile with games created by the half-swaps that make (or break) ties (1~2). The games with ties lie between the four strict games, with Convention (LoLo) as an intermediate archetype in the center of the tile.

**Figure A5.** Tiles of games. a. Swaps in lowest payoffs (1><2) link four games to make a tile. b. Expanded tile shows games with ties between strict games ( $1\sim2$ ). Making low ties simplifies all the games in a tile into a single game with low ties, such as Convention (LoLo).



The strict ordinal games can be visualized as located in the center of each game shown in the table in Figure A4. Grid lines mark the boundaries between different ordinal games. Games with low ties or middle ties for both actors then lie at the intersection of grid lines.

The middle of Figure A4 shows all the symmetric ordinal games with ties, including low  $(1\sim2)$ , middle  $(2\sim3)$ , and high  $(3\sim4)$  ties. The games with low and middle ties can be visualized as lying along the diagonal axis of the topology of 2x2 games, located between the strict ordinal games. This is shown by the abbreviations in the upper corners of the cell displaying payoffs for each game with ties. Figures A3 and A4 also show names for low ties games at the center of tiles, preceded by abbreviations.

The bottom of Figure A4 also shows the simplest archetypes with only two payoff ranks, likes and dislikes. This includes the primal archetypes discussed above, with ties for the two highest and two lowest-ranked outcomes. The Layer (or Basic) games have a single like, and ties for the three lowest-ranked outcomes. Similarly, there are games with a single dislike, and indifference between the higher-ranked outcomes (triple ties for the highest rank). Such Safe or "dislike" games may be useful in thinking about situations where actors emphasize caution and risk avoidance. In three out of the four possible dislike games, action by one to avoid risk is sufficient to ensure that both avoid the worst outcome and get to win-win. However, in the fourth possibility, with dislikes in diagonally opposed cells, both need to avoid risk to reach the Safe Cell (or else somehow coordinate on the alternative risky win-win outcome). The Safe games are relatively easy to solve and do not seem to have received much attention in analyzing collective action. Therefore, they are not proposed as archetypes in this analysis.

Figure A6 shows ordinal games with middle or low ties. This includes Advantage (LkLb) and Jekyll-Hyde (MhMk), which were discussed earlier, as well as other games that could be considered as intermediate archetypes or which might offer useful models for analysis. As mentioned above, symmetric games on the diagonal lie between the strict symmetric ordinal games. Asymmetric games of possible interest include Unequal Exchange (LnLd) where balanced exchange has become asymmetric and delivers unequal results at equilibrium, and Brave Altruist (MkMm) as a possible model of cheap but risky kindness. The unequal equilibrium outcome in the Remediable game (LhLd) (and the four strict games on the tile it forms) might be addressed in multiple ways: by taking turns, based on the threat by the disadvantaged actor; or transformed into a win-win game by high swaps for either Row or

Column. However, the tiles for the Tilted and Disadvantage game are not as easy to improve, with the only transformative solution being a high swap for the disadvantaged player.

The middle ties Crux game (MkMk) is located between Prisoner's Dilemma and Deadlock and is unique in being the only symmetric zero-sum game (zero-rank sum for ordinal payoffs). Therefore, in Figures A4 and A6 and elsewhere it is shown with payoff values of +1,0,-1. Crux lies at the intersection of the axis of symmetric games and the axis of conflict games that includes the zero-sum games of Total Conflict (PdDl/DlPd), Big Bully (ShCm/CmSh), and Zero-sum Cycle (AsHr/HrAs).

The names suggested in Figure A6 and elsewhere are intended as heuristic and exploratory. More generally, names for payoff structures can invoke metaphors and stories for which the games may provide relevant models. The abbreviations in the 2x2 game identifiers provide a systematic nomenclature for identifying payoff structures and their relative locations, which can coexist with multiple and evolving common names and stories.

Figure A6. Ordinal games with low and middle ties. Symmetric games are on the diagonal axis. Their payoffs combine to form asymmetric games.

				Ba Mb Mb Ch 3 4 3 3 1 1 4 3 Volunteer D	МЬ
	MIDDLE TI	ES	Cm Mm M 3 4 3 3 Middle M	Mm Hr Mn Mb 1 1 3 4 1 3 4 3 3 1 4 3 Way	Mn
			Pd      Mk Mk      Di      Mk M        -1      +1      0      1      4      3        0      0      +1      -1      3      3      4        Crux      Brave A      3      4      4      4	Mk Mb        3      1      4      3      3        4      3      3      1      4      3        Vitruist      3      1      4      3      3	Mk
		As Mu Mu Sh 1 3 4 4 3 3 3 1 Trust D	Mu Mk      Mu M        1      4      3      1      4        3      3      3      1      3      3	Mu Mb        4      1      4      4      3        3      3      3      1      3      3        Mid Cycle      Mid Cycle      Mid Cycle      Mid Cycle	Mu
		Pc      Mp Mp      Co      Mp Mu        3      1      4      4      3      3      4      4        3      3      1      3      3      1      1        Security      3      3      1      1      3      3      1      1	Mp Mk      Mp M        3      4      4      3      3      4        3      3      1      1      3      3	Mp Mb        4      1      3      4      4      3        1      3      3      1      1      3	Мр
	Nc Mh Mh Ha 3 3 4 4 1 1 3 3 Invisible Hand	Mh Mp      Mh Mu        3      1      4      4      3      3      4      4        1      3      3      3      1      3      3      1	Mh Mk      MhM        3      4      4      3      4      4        1      3      3      1      1      3      1        Jekyll-Hyde      1      3      1      3      3      4	Im      Mh Mb        4      1      3      4      4      3        3      3      1      1      3      3	Mh
ſ	Ch Ld Ld Pd Ld Mh	Ld Mp Ld Mu	Ld Mk Ld M	Am Ld Mb	7
ם	1 4 <mark>3 3</mark> 1 1 4 1 Defection D	1 1 3 4 1 3 3 4 1 3 4 3 1 3 4 1	1 4 3 3 1 4 1 3 4 1 1 3	3 1 1 4 3 3 4 3 1 1 <mark>4 3</mark>	Ld
Hr Lb Lb Ba 3 4 1 1 3 1 1 4 3 Rivalry E	Lb Ld      Lb Mh        3 4      1 3        1 1 4      1        biased Favor      1	Lb Mp      Lb Mu        3      1      1      4      3      3      1      4        1      3      4      3      1      3      4      1	Lb Mk Lb M 3 4 1 3 3 4 1 3 4 1 1 3 .	Im      Lb Mb        1      1      3      4      1      3        4      3      1      1      4      3	Lb
LOW TIES 1 4 1 1 4 1 1 3 3 4 1 3 1 4 3 3 2nd Best Advantage F	Lk Ld      Lk Mh        1 4 1 3      1 3 1 4        3 1 4 1      3 1 4 3        Resist      3 1 4 3	Lk Mp      Lk Mu        1      1      1      3      1      4        3      3      4      3      3      4      1	Lk Mk      Lk M        1      4      1      3      1      4        3      3      4      1      3      3      4	Im Lk Mb 1 1 1 4 1 3 4 3 3 1 4 3	Lk
Sh Ln Ln Nc      Ln Lk      Ln Lb        1 3 4 4      1 4 4      1 4 4      1 4 4      1        1 1 3 1      1 3 3      1      1 1 3      3      1        Offer      Yield      Okay Focus U      0      0      0	Ln Ld 1 4 4 3 1 1 3 1 heq.Exchange	Ln Mp      Ln Mu        1      1      4      1      3      4      4        1      3      3      3      1      3      3      1	Ln Mk      Ln M        1      4      3      1      4        1      3      3      1      1      3	Im Ln Mb 4 1 1 4 4 3 3 3 1 1 3 3 Posthegemo	Ln ny
Co      Lo      Lo <thlo< th="">      Lo      Lo      Lo<!--</th--><th>Lo Ld 1 4 4 3 3 1 1 2 Viased Focus Lo Mh 1 3 4 4 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1</th><th>Lo Mp Lo Mu 1 1 4 4 1 3 4 4 3 3 1 3 3 1 1</th><th>Lo Mk Lo M 1 4 4 3 1 4 3 3 1 1 3 3</th><th>Im Lo Mb 4 1 1 4 4 3 1 3 3 1 1 3</th><th>Lo</th></thlo<>	Lo Ld 1 4 4 3 3 1 1 2 Viased Focus Lo Mh 1 3 4 4 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	Lo Mp Lo Mu 1 1 4 4 1 3 4 4 3 3 1 3 3 1 1	Lo Mk Lo M 1 4 4 3 1 4 3 3 1 1 3 3	Im Lo Mb 4 1 1 4 4 3 1 3 3 1 1 3	Lo
He      Lh      Lh<	Lh Ld      Lh Mh        3 4 4 3      3 3 4 4        1 1 1 1      1 1 3        Remediable      1 1 3	Lh Mp 3 1 4 4 3 3 4 4 1 3 1 3 1 3 1 3 1 1	Lh Mk      Lh Mk        3      4      4      3      3      4        1      3      1      1      3      4	Im      Lh Mb        4      1      3      4      4      3        1      3      1      1      1      3	Lh
	Ld Mb	Ma Mu	Mk Mm	МЬ	-

# 5. Primal archetypes and their variants

Figure 2 shows primal archetypes, omitting many variants that are equivalent by interchanging rows or columns or switching positions of Row and Column actors. Figure A7 shows the corresponding full set of primal archetypes and variants derived by simplifying the games in the topology of 2x2 games displayed in Figure A3. As in the display of the strict topology of 2x2 games, symmetric games form a diagonal axis from lower left to upper right. Payoff patterns from symmetric games combine to form asymmetric games. Games on either side of the axis are equivalent by switching positions for Row and Column. Primal Conflict on Layer 2 cycles counterclockwise while its chiral reflection on Layer 4 cycles clockwise.

Starting from the topology of strict ordinal 2x2 games shown in Figure A3, making ties for the two lowest-ranked payoffs simplifies each tile into a single game. This reduces the 12 by 12 matrix of games to 6 by 6. Making further ties for the two highest-ranked payoffs creates primal games as shown in Figure A7. Variants appear at equivalent locations on each layer. This follows the structure of hotspots and pipes discussed above and shown in Figure A3. Hotspots are identified according to the layers they link. Pipes are identified by their location in vertical and horizontal bands of tiles: harmony pipes (H::H, C::H, H::C) are on the lower left and dilemma pipes (D::D, C::D, D::C) are on the upper right.

The three symmetric primal archetypes appear on Layer 3 on the lower left. A variant of Primal Independence with rows and columns interchanged is on Layer 1, along with a variant of Primal Coordination with interchanged rows (or with interchanged columns creating the same result). Starting from Figure A3, simplified payoffs from Harmony and Peace are equivalent to those from Deadlock and Compromise by interchanging rows and columns. Simplified payoffs from Safe Choice and Assurance are equivalent to those from Hero and Leader by interchanging rows or columns. Payoffs simplified from Prisoner's Dilemma and Chicken end up identical to those from Concord and Stag Hunt since the convention to orient payoffs with Row's 4 right and Column's 4 up creates a unique (or indistinguishable) orientation rather than allowing two interchanged variants.

The primal archetypes in these pipes and hotspots illustrate many of the basic solution concepts in game theory.

- In the harmony pipes dominant strategies lead to win-win equilibria, for Primal Independence and, with anticipation by one actor, in the neighboring pair of asymmetric variants of Primal Help.
- Primal Gift and Primal Win-Lose also have dominant strategies, leading respectively to win-win or win-lose.
- Primal Coordination poses a problem of equilibrium selection, including the Layer 1 variant where the two alternative equilibria are aligned on the diagonal from lower right to upper left.
- Primal Conflict is a zero-sum game. For repeated interaction, a mixed strategy offers an equilibrium solution, randomly choosing each move half the time.
- In the dilemma pipes, the archetypal games of Primal Exchange and Primal Favors do not have dominant strategies. Therefore focal points or other solution concepts are necessary to reach win-win.

**Figure A7.** Primal archetypes with variants that interchange rows and columns or positions. These are formed by making ties in the topology of strict 2x2 games for the two highest-ranked and two lowest-ranked outcomes. Each tile of four games in Figure A3 collapses into a single game. Symmetric games still form an axis of symmetry from lower left to upper right. Games on either side of the axis are still equivalent by switching positions as Row or Column. Equivalently-located tiles form hotspots linking two layers or pipes linking four layers.



#### 6. A map of symmetric 2x2 games with ties

Figure 3 showed how the three symmetric primal archetypes differentiate to form twelve strict symmetric games. Figure A8 offers an alternative and more systematic view of the relationships among symmetric games, including those with two high ties or two middle ties for each actor. The combinations of ordinal payoffs in 2x2 games and the ways in which payoff swaps change one game into another can be visualized on the sides of a cube (Huertas-Rosero 2003, Goforth and Robinson 2012). Slicing the cube diagonally, games on two sides are equivalent by interchanging rows and columns (or algebraically by switching the "temptation" and "sucker" payoffs in a Prisoner's Dilemma). So, only twelve games are needed to show the relationships. The visualization shows half of a box (disdyakis cube) cut on the diagonal and unfolded. The other half of the box would have another set of the same games.

The three primal archetypes lie at the center of sides of the box (faces of a cube). Breaking ties generates neighboring games. Breaking either high ties or low ties generates neighbors on the diagonal. Breaking both pairs of ties generates horizontal or vertical neighbors, strict games above or below or left or right of the primal archetypes.

Overall, descendants of Independence and their neighbors form part of a large region of stable games with win-win or second-best outcomes, shown in yellow and green. Descendants of Primal Exchange are diverse: many turn into coordination problems of trust or rivalry, some become concordant win-win games and a few are particularly interesting and challenging for collective action, notably Prisoner's Dilemma, Chicken, and Stag Hunt.

Rivalry games are on top of the box, and trust games on the bottom, with Primal Coordination like a "wormhole" that links the two types of coordination games (Goforth and Robinson 2012). Middle ties games, such as Volunteer's Dilemma and Trust Dilemma (Rousseau's Hunt) are on edges between sides of the box. This figure can also be folded back on itself to provide a simple way to visualize the relationships between the twelve strict symmetric 2x2 games and their neighbors formed by half-swaps to make ties. **Figure A8**. Topology of symmetric 2x2 games with ties. The simplest Basic and Safe symmetric games with three ties and one like or dislike form the corners of a box (disdyakis cube). Independence and Exchange are each in the center of sides of the box, surrounded by their descendants created by symmetrically breaking ties. Coordination games form triangular "flaps" at the top and bottom, with Primal Coordination making a "wormhole" link.

		Do Do P2 L1:L3				Do Do P2 L1:L3		
		1 1 4 4				1 1 4 4		
		4 4 1 1				4 4 1 1		
		Coordination				Coordination		
	Hr Lb Lb Ba	Ba Ba	Hr <mark>He He</mark> Ba		Hr He He Ba	Hr Hr	Hr Lb Lb Ba	
	3 4 1 1	3 4 2 2	4 4 1 1		4 4 1 1	3 4 1 1	3 4 1 1	
	1 1 4 3	1 1 4 3	3 3 4 4		3 3 4 4	2 2 4 3	1 1 4 3	
	Rivalry	Leader	Quandary		Quandary	Hero	Rivalry	
Bd Bd L1	· · · · · · · · · · · · ·	Ba Mb Mb Ch		Th Th S3		Cm Mm Mm Hr	· · · · · · · · · · · · · · · · · · ·	Bd Bd L1
1 4 1 1		3 4 3 3		4 4 4 4		3 4 1 1		1 4 1 1
1 1 4 1		1 1 4 3		1 1 4 4		3 3 4 3		1 1 4 1
Discord		Volunteer D		Avoidance		Middle Way		Discord
	Ch Ld Ld Pd	Ch Ch	Nc <mark>Hn Hn</mark> Ch		Ha Hh Hh Cm	CmCm	DI Lk Lk Cm	
	1 4 3 3	2 4 3 3	3 4 4 4		4 3 4 4	2 4 1 1	1 4 1 1	
	1 1 4 1	1 1 4 2	1 1 4 3		1 1 3 4	3 3 4 2	3 3 4 1	
	Defection D	Chicken	Nurture		Liberty	Compromise	2nd Best	
Pd Mk Mk DI	Pd Pd	Du Du P3 D::D	Nc Nc	Nc Mh Mh Ha	Ha Ha	Dh Dh P1H::H	DI DI	Pd Mk Mk DI
-1 +1 0 0	1 4 3 3	1 4 4 4	2 3 4 4	3 3 4 4	3 2 4 4	4 1 4 4	1 4 2 2	-1 +1 0 0
0 0 +1 -1	2 2 4 1	1 1 4 1	1 1 3 2	1 1 3 3	1 1 2 3	1 1 1 4	3 3 4 1	0 0 +1 -1
Crux	Dilemma	Exchange	Concord	InvisibleHand	Harmony	Independence	Deadlock	Crux
	Sh Hu Hu Pd	Sh Sh	Sh <mark>Ln Ln</mark> Nc		Ha Lh Lh Pc	Pc Pc	Pc Hp Hp DI	
	1 4 4 4	1 3 4 4	1 3 4 4		3 1 4 4	3 1 4 4	4 1 4 4	
	3 3 4 1	2 2 3 1	1 1 3 1		1 1 1 3	2 2 1 3	3 3 1 4	
	Cusp D	Stag Hunt	Offer		Synergy	Peace	Club	
Tk Tk S1		As MuMu Sh		Bh Bh L3		Pc Mp Mp Co		Tk Tk S1
4 1 4 4		1 3 4 4		1 1 4 4		3 1 4 4		4 1 4 4
4 4 1 4		3 3 3 1		1 1 1 1		3 3 1 3		4 4 1 4
Safe Cell		Trust D		Win-Win		Security		Safe Cell
_	Co Ho Ho As	As As	Co Lo Lo As		Co Lo Lo As	Co Co	Co Ho Ho As	
	3 1 4 4	1 2 4 4	1 1 4 4		1 1 4 4	2 1 4 4	3 1 4 4	
	4 4 1 3	3 3 <b>2</b> 1	3 3 1 1		3 3 1 1	3 3 1 2	<b>4 4 1 3</b>	
	Caution	Assurance	Convention		Convention	Safe Choice	Caution	
		Do Do P2L1:L3				Do Do P2 L1:L3		
		1 1 4 4		$\bigtriangleup$		1 1 4 4		
		4 4 1 1				4 4 1 1		
		Coordination				Coordination		
				$\backslash / \backslash /$				

# 7. Prevalence of bias games

Figure A9 shows a schematic visualization of the topology of 2x2 games displaying the bias games, also called suasion (Martin 1992) or rambo games (Zürn 1993, Hasenclever et al. 1997, Holzinger 2003), where dominant strategies lead to unequal payoffs at a single equilibrium. This shows the proportions in the payoff space of possible 2x2 games. The proportions of games in the topology of 2x2 games are also those that would be expected if payoffs are generated randomly (Simpson 2010, Bruns 2015). Out of 144 games, 66 games (46%) are bias games, with a single equilibrium that has unequal payoffs. Nine more symmetric games have two equilibria that both have unequal payoffs, for a total of 75 games (52%). By comparison, 51 games (35%) have equal payoffs at equilibrium, most of which are

win-win (4,4). That includes 4 stag hunts (3%) that have equal payoffs at the Pareto-superior equilibrium and unequal payoffs at the inferior equilibrium. The remaining 18 games (12.5%) are cyclic, with no equilibrium. In summary, just over a third of games have equal payoffs at equilibrium, while slightly over half have unequal payoffs at equilibrium (and the remaining eighth of games are cyclic, with no equilibrium in pure strategies).

The inefficiency problems of Prisoner's Dilemma and Stag Hunt/Assurance problems have received most attention in game theory research. However, only 16 games (11%) have Pareto-inferior equilibria, 9 stag hunts and 7 dilemmas. That includes four dilemmas with unequal payoffs at equilibrium that are also bias games. Overall, in the payoff space of possible games, inequality problems are much more prevalent than efficiency problems.

It should be noted that the term "bias games" here concerns structural bias in incentives and equilibrium outcomes. This differs from usage of the term "biased games" by Caragiannis, Kurokawa, and Procaccia (2014) in their analysis of strategic bias in the selection of mixed strategies visible to the other actor in repeated interaction.

Figure A9. Bias games. Dominant strategies lead to unequal payoffs at equilibrium
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4,2	4,3	4,3	S	S	U	2,4	2,4	2,4	/	/	/		Ch
4,2	4,3	4,3	IJ	IJ	IJ	3,4	3,4	3,4	/	/	/		Ва
4,2	4,3	4,3	S	<u>U</u>	IJ	3,4	3,4	3,4	/	/	/	↓	Hr
4,2	4,3	4,3	3,3	3,3	<u>3,2</u>	3,2	3 <i>,</i> 3	3,3	3,4	3,4	4,2		Cm
4,2	4,3	4,3	3,3	3,3	3,2	<u>3,2</u>	3 <i>,</i> 3	3,3	3,4	3,4	4,2		DI
4,2	4,3	4,3	<u>2.3</u>	<u>2.3</u>	<u>2.2</u>	<u>2,2</u>	<u>2,3</u>	2,3	3,4	3,4	4,2	₩	Pd
4,4	4,4	4,4	١	\	\	<u>2,2</u>	2,3	<u>2,3</u>	G	G	G	]↑	Sh
4,4	4,4	4,4	١	١	١	<u>3.2</u>	3 <i>,</i> 3	3,3	<u>ں</u>	G	G		Ar
4,4	4,4	4,4	١	١	١	<u>3.2</u>	3 <i>,</i> 3	3,3	G	G	G	] ↓	Со
4,4	4,4	4,4	4,4	4,4	4,4	3,4	3,4	3,4	3,4	3,4	3,4		Рс
4,4	4,4	4,4	4,4	4,4	4,4	3,4	3,4	3,4	3,4	3,4	3,4		На
4,4	4,4	4,4	4,4	4,4	4,4	2,4	2,4	2,4	2,4	2,4	2,4		Nc
		$\stackrel{\bullet}{\rightarrow}$	ł		→				•		•	•	
Nc	Na	Рс	Со	Ar	Sh	Pd	DI	Cm	Hr	Ва	Ch		
		N	lash e	quilil	bria w	vith u	inequ	al pa	yoffs	shade	ed		

Zero-sum games <u>Pareto-inferior equilibria</u>

Dominant strategy leads to inequality at a single equilibrium

**Grievance** some actors obtain their most preferred outcome while others are left aggrieved"

#### Rambo

Hasenclever et al. 1997:53 fn 24 "the aggrieved actor may well endeavor to transform the situation

Suasion suasion problems have equilibrium outcomes that leave one actor dissatisfied

### 8. Ordinal payoffs for entries in the Atlas of Interpersonal Situations

Figure A10 shows the original payoff values used by Kelley et al. (2003) to illustrate entries in the Atlas of Interpersonal Situations and equivalent ordinal payoffs ranked from 1 to 4. The ordinal payoffs have been standardized to put Row's highest payoff in the right-hand column and Column's highest payoff in the upper row (Row's 4 right, Column's 4 up). As discussed in the main text, this standardization of ordinal payoffs and orientation of best outcomes shows the convergence between interdependence theory and the extended topology of 2x2 games in identifying archetypal games.

**Figure A10.** Illustrative payoff matrices for entries in the Atlas of Interpersonal Situations and ordinal equivalents in standardized orientation (Row's 4 right, Column's 4 up).

Entry #	Page	)	0	rigin	al			Stan	dard	ized		
Primal	Indep	endenc	e (DhD	)h)								
1		Indepe	ndenco	e: We	go oui	sepai	rate ways					
	141	E1.1	10	8	10	0		4	4	4	1	_
			0	8	0	0		1	4	1	1	
	141	E1.2	0	8	0	-6	_	4	4	4	1	
			-10	8	-10	-6		1	4	1	1	_
Primal	Excha	nae (Du	Du)									
2		Mutual	, partne	er cont	rol: Is	cratch	vour back.	vou sci	ratch r	nine		
_	149	F2 1	8	10	0	10	<b>,</b> ,	1	4	4	4	
	110	L2.1	8	0	0	0	•	1	1	1	1	-
			0	0	U	U				-		
	149	E2.2	-10	0	0	0		1	4	4	4	_
			-10	-2	0	-2		1	1	4	1	
Primal	Coord	ination	(Do Do	)								
3		Corres	pondin	g mut	ual joiı	nt conf	trol: Getting	in sync	;			
	160	E3.1	5	10	0	0	-	4	4	1	1	
			0	0	5	10	•	1	1	4	4	-
					1					1		
	160	E3.2	-10	-10	0	0		1	1	4	4	
			0	0	-10	-10	-	4	4	1	1	-
Primal	Confli	ct (Do Do	<b>)</b> 1)		•					•		
4		Conflic	ting m	utual	ioint co	ontrol:	Match or mi	ismatch	ı			
	171	E4.1	5	-5	-5	5		4	1	1	4	Primal Conflict, Matching Pennies
			-5	5	5	-5		1	4	4	1	
			Ŭ	U		Ŭ		•				
	172	E4.2	-10	-10	-10	0		1	4	1	1	Basic Discord, L1
			0	-10	-10	-10		1	1	4	1	-
Prisone	er's Dil	lemma (	PdPd	)	•							
5		Prison	er's dil	, emma	: Me v	ersus	we					
	189		5	5	-5	10		1	4	3	3	
			10	-5	0	0		2	2	4	1	-
Threat/	Jekyll-	Hyde (N	lhMk)		•					•		
6		Threat	: Tradii	na lov	altv fo	riustio	e					
-	202	E6.1	12	6	6	12		3	4	4	3	
			6	0	0	6	-	1	3	3	1	-

Chicken	(CkC	k)										
7 Chicken: Death before dishonor												
	211	E7.1	-3	-3	-9	3		2	4	3	3	_
			3	-9	-15	-15		1	1	4	2	
	212	E7.2	15	15	9	21		2	4	3	3	_
		-	21	9	3	3		1	1	4	2	-
Hero (HrHr)												
8		Hero: Le	et's do	o it you	u way					1		
	226	E8.1	8	12	0	0		3	4	1	1	_
			4	4	12	8		2	2	4	3	
		E8.2	4	4	12	8		3	4	1	1	
			8	12	0	0		2	2	4	3	-
Stag Hunt (ShSh)												
9		Conjune	ctive p	oroble	ms: To	ogethe	r we can do i	it				
	237	E9.1	7	7	0	0		1	1	4	4	Win-Win
			0	0	0	0		1	1	1	1	
		E9.2	7	7	0	3		1	3	4	4	Stag Hunt
		-	3	0	3	3		3	3	3	1	_
Volunte	er's D	ilemma	(MbM	b)	•							
10 Disjunctive problems: Either of us can do it												
	247	E10.1	10	10	10	10		4	4	4	4	Avoidance
		-	10	10	0	0		4	4	1	1	-
		E10.2	7	7	7	10		3	٨	3	3	
		L 10.2	10	7	0	0		1	1	4	3	-
$\frac{10}{100} \frac{10}{100} \frac{10}{100$												
11 1		Asymet	tric de	nende	nce. Y	'ou're f	he hoss					
	266	F11 1	10	-4	-4	10		1	4	4	1	
	200		10	-4	-4	10		1	4	4	1	-
Primal Help (DhDo) Helping Hand												
11.2	267	F11.2	4	-4	4	10		1	1	4	4	
			-4	-4	4	10		4	1	1	4	-
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#### 9. Indifference and changing preferences

Making and breaking ties represents changes in preferences. It can sometimes be convenient to assume fixed preferences, as in much of game theory and economic theorizing. However, there are many reasons why payoff values might change. Individual preferences and choice behavior may be stochastic and dynamic, influenced by multiple external and internal processes (Symmonds and Dolan 2012). New information, better understanding, or careful consideration might show why one outcome is superior. Prominent examples or social norms might focus attention on desirable outcomes. Persuasion could cause more concern about what happens to another person (other-regarding preferences), such as putting a higher value on mutually beneficial win-win outcomes. Similar changes in preferences about others' outcomes might come from bonding within a group or focusing on what is best for the group (team reasoning). Interaction could also result in antipathy or rivalry, competitive feelings, and a willingness to punish or suffer losses if it makes the other worse off.

Conversely, changes might erase differences, equalizing outcome ranks, creating indifference between outcomes. Some outcomes may come to appear irrelevant and not worth attention. More information, instability, or uncertainty might make some comparisons seem meaningless. Decisions might focus on a few outcomes, ignoring others or acting indifferent, as if they were equally ranked, due to simple heuristics, urgency, or exhaustion. People might cease caring or paying attention to what happens to the other person. Thus, changes could blur or dissolve the difference between some outcomes, simplifying payoff structures, or they could sharpen differences, resolving into a more complex configuration of payoffs.

Payoff swaps and simplification and differentiation of payoff structures can also be seen in terms of payoffs that vary (trembling payoffs). These might vary , perhaps in a predictable way, such as seasonal changes in water availability or risks that can be estimated with reasonable accuracy. Or payoffs could be uncertain, in the sense of incomplete information that limits the ability to form accurate expectations, such as the dynamics of poorly-understood aquifers. More fundamentally, preferences may be incomplete in more profound ways, perhaps only resolved to the extent necessary to make specific decisions, using heuristics as part of bounded rationality (Simon 1990). Values may be diverse and not easily reconcilable, within a community or even within a single decisionmaker (Berlin 2012).

To the extent outcomes can be valued more precisely, the topology of payoff swaps can be extended to more fully map the payoff space of 2x2 games. For simplicity in exposition, in this paper we mostly present ideas using ordinal games with ranked outcomes. Where payoffs can be measured more precisely, on interval (ratio) or cardinal (real) scales, those values can also be normalized to a 1-4 scale and mapped onto a continuous version of the topology of 2x2 games. A continuous payoff space models more detailed differences in the ranking of outcomes and more gradual transitions in ranking that transform one game into another. Symmetric ordinal games provide coordinates for naming and locating games within a payoff space of 2x2 games, like integers on a number line or Cartesian coordinates. Within this space, archetypes offer useful landmarks for understanding the structure and diversity of interdependence, including opportunities and challenges for cooperation.

#### 10. Dimensions of interdependence

Analysis of archetypal games shows areas of potential for further research and synthesis concerning the relationships between different kinds of social situations. As described above, analysis of archetypal games based on the topology of 2x2 games converges with interdependence theory in social psychology (Kelley and Thibaut 1978, Kelley et al. 2003, Balliet et al. 2017) in identifying a central role for the three symmetric situations exemplifying elementary independence, coordination, and exchange. Interdependence theory uses an analysis of variance approach to decompose payoff matrices into row, diagonal, and column components. These three components are exemplified by the "single component" games for independence (control over the actor's own outcome), coordination (joint control), and exchange (control over the partner's outcome). Any payoff matrix can be composed and analyzed as the weighted combination of the single component games. Interdependence theory arranges games in three dimensions related to independence, congruence (coordination or conflict), and dependence. Analysis using the topology of 2x2 games offers an alternative and potentially more easily understood way to map the relationships between different elementary social situations, including archetypes and regions modelling different problems of collective action.

The normalized payoffs in the continuous topology of 2x2 games form a subspace of the eight-dimensional space of 2x2 games analyzed by Saari and colleagues (Jessie and Saari 2019, Guisasola and Saari 2020). With an interest in explaining equilibrium selection in coordination games, Guisasola and Saari (2020) make a decomposition of payoff matrices (with a full range of payoff values, not just ordinal or normalized values) into three orthogonal components somewhat similar to those of interdependence theory: 1) a Nash equilibrium (best response) component under each actor's own control, 2) a joint coordination/anti-coordination component, and 3) an externality component for how each actor's actions increase or decrease the other's payoffs. They also have a "kernel" scaling factor for each actor's payoff values. For diagnostic analysis and design, their coordinate system helps examine how the mutual gains from coordination and the impact of externalities may outweigh incentives towards a Nash equilibrium. This seems to offer a general framework to examine the question of how changes in payoff values increase or reduce "pressures" that affect behavior in 2x2 games (Rapoport et al. 1976, Kelley et al. 2003).

Interdependence Theory and Guisasola and Saari's game coordinate system decomposition both map the payoff space of 2x2 games in three dimensions with components for independent control over one's own fate, as in Primal Independence; joint control as in Primal Coordination: and control over each other's outcome, as in Primal Exchange. The topology of 2x2 games maps regions of related games according to the number of Nash equilibria (resulting from dominant strategies), displays coordination and cyclic (anticoordination/conflict) games as compact connected regions, and also groups games according to their externalities (inducement correspondences) (Robinson and Goforth 2005, Bruns 2015). This seems to offer a fruitful opportunity for further comparison and analysis. Interdependence theory and the coordinate systems developed by Saari and colleagues assume orthogonal dimensions completely distinct from each other (uncorrelated). As an alternative, the topology of 2x2 games suggests partially overlapping regions and a more complex distribution of characteristics. The structure of interdependence in the payoff space of  $2x^2$ games might also be further analyzed using additional approaches, such as correlated dimensions as in factor analysis, crisp or fuzzy categories of cases as in QCA (Ragin 2009), or regions with emergent and distinctive properties as in non-linear dynamics (Strogatz 2018).

Another approach to applying archetypes is to concentrate on a smaller set of games. Rapoport (1967) originally identified four symmetric archetypes for conflict, based on Prisoner's Dilemma (Exploiter), Chicken (Martyr), Leader, and Hero. Alternatively, in research on psychological processes prevalent in conflict and negotiation, Halevy and colleagues (Halevy et al. 2012, Halevy and Katz 2013) found that study participants usually described situations that fit four symmetric archetypal games: Prisoner's Dilemma, Chicken, Stag Hunt, and Maximum Difference (Concord). Molho and Balliet (2017) suggest that experiments and meta-analysis could compare interdependence theory with analysis based on a small set of prototypical games. Such comparative analysis could extend to include the topology of 2x2 games and the game coordinate systems proposed by Saari and colleagues (Jessie and Saari 2019, Guisasola and Saari 2020) as further alternative or complementary approaches for modeling and analyzing behavior in social situations.

# 11. Limitations and extensions: understanding complexity in payoff space

If "my mask protects you and your mask protects me" and I care about what happens to you, this transforms the situation so that I prefer to wear a mask, whatever you do. This changes the game from Primal Exchange into Concord, as in Figure 3. Indifference changes into higher ranks for outcomes where I wear a mask. A similar change could also occur if it turns out that wearing a mask also gives me some protection, if norms shift so I am concerned about my neighbors' approval, or if not wearing a mask risks penalties for violating a government rule. Additional considerations could include inconvenience of mask-wearing, different beliefs about risks and benefits, and politicization of mask wearing as some kind of signal or expression of identity. All these changes could occur asymmetrically, for one but not the other, creating a variety of possible payoff structures. Simple models such as the archetypes discussed in this paper may sometimes offer useful insights, but are only tools for trying to understand and act in a complex world. Pejó and Biczók (2020) offer an example and discussion of early efforts to apply game theory models to the challenges posed by Covid-19.

Archetypal games offer highly simplified models that illustrate and help analyze some important aspects of social situations. However, problems and solutions often depend on specific details of history and context. The transformations by making and breaking ties in primal archetypes described in this paper are a useful starting point, but trace only a few of the vast number of possible pathways through the topology of payoff swaps that connect 2x2 games (Robinson et al. 2007). Empirical changes are not limited to those that would make or break ties in a single pair of payoffs, or only follow a pathway of symmetric changes in payoffs.

For payoffs not restricted to ordinal ranks, normalized payoffs can be mapped onto a continuous version of the topology (Bruns 2015). However, the actual payoff values may still contain crucial information, such as when benefits or risks are very high for one outcome or one actor. As discussed above, individual preferences and choice behavior may be stochastic and dynamic, influenced by multiple external and internal processes. Information may be incomplete in a variety of ways. The topology of games can extend beyond 2x2 games to include situations with multiple actors and help understand the potential for endogenous evolution of situations to achieve better results (Frey and Atkisson 2020). Archetypal games could help expand the menu of models considered in research, including efforts to understand how cooperation is affected by different rules and other conditions (Taylor and Ward 1982, Nowak 2006, Taylor 2006, Van Lange et al. 2014, Balliet et al. 2017), such as common knowledge (Schelling 1960, Chwe 2013), repeated interaction (Axelrod 1984),

communication (Ostrom et al. 1994), and negotiation, including with intelligent agents (Crandall et al. 2018).

The ways in which simple archetypes generate more diverse situations offer tools for understanding similarity and diversity in interdependence in social-ecological situations. Archetypes and their relationships may thereby contribute to the potential role of game theory as a part of a unifying language for behavioral and evolutionary science (Gintis 2007, Cronk and Leech 2013). Archetypes provide simple building blocks for understanding social-ecological systems that may also contribute to the quest to understand more complex systems, as stated by Elinor Ostrom (2010):

We should continue to use simple models where they capture enough of the core underlying structure and incentives that they usefully predict outcomes. When the world we are trying to explain and improve, however, is not well described by a simple model, we must continue to improve our frameworks and theories so as to be able to understand complexity and not simply reject it.

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