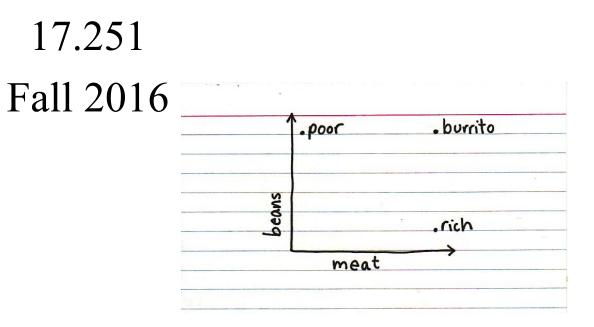
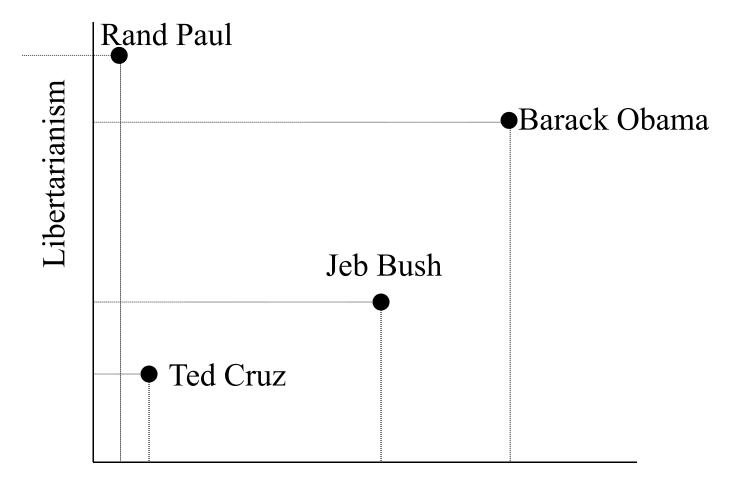
Spatial Theory in 2-space

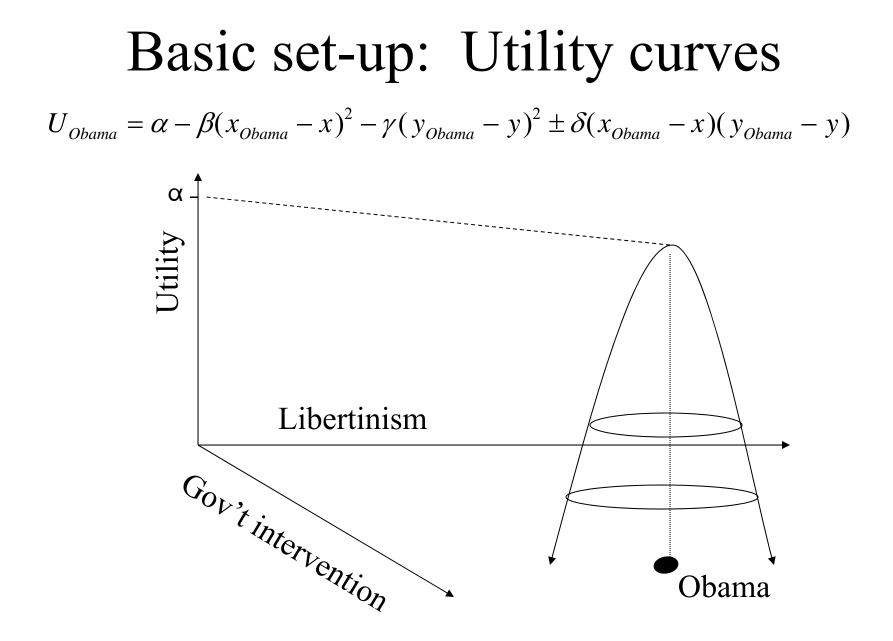


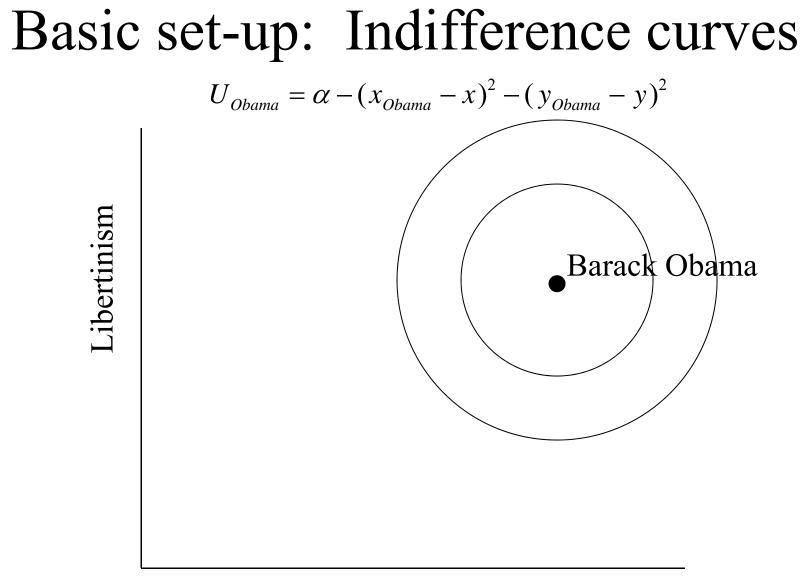
Throat-clearing

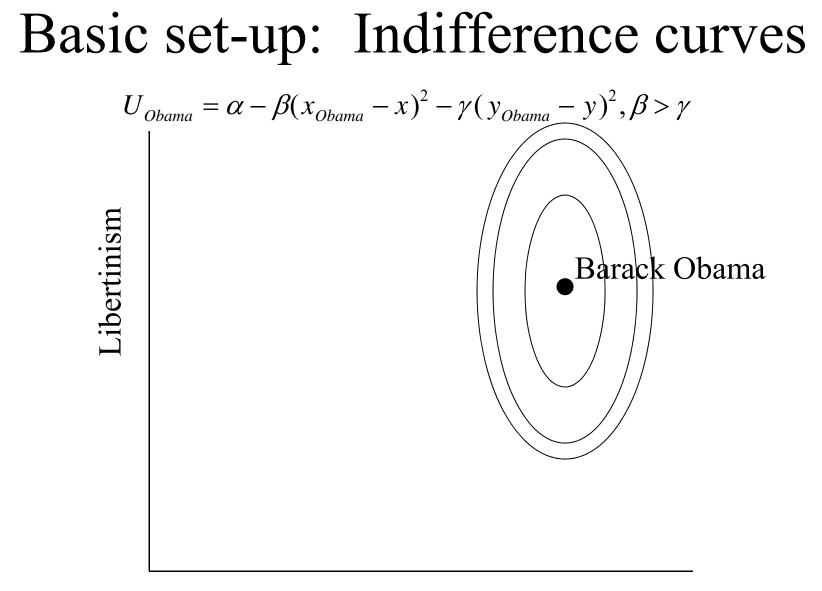
- Fundamental finding of unidimensional spatial model
 - Pure majority rule: the median prevails
 - More generally: the pivot prevails
- Fundamental finding of multidimensional spatial model
 - The center doesn't hold
 - Preferences can't induce equilibria
 - — ∴ institutions (or something else) must enter to provide stability

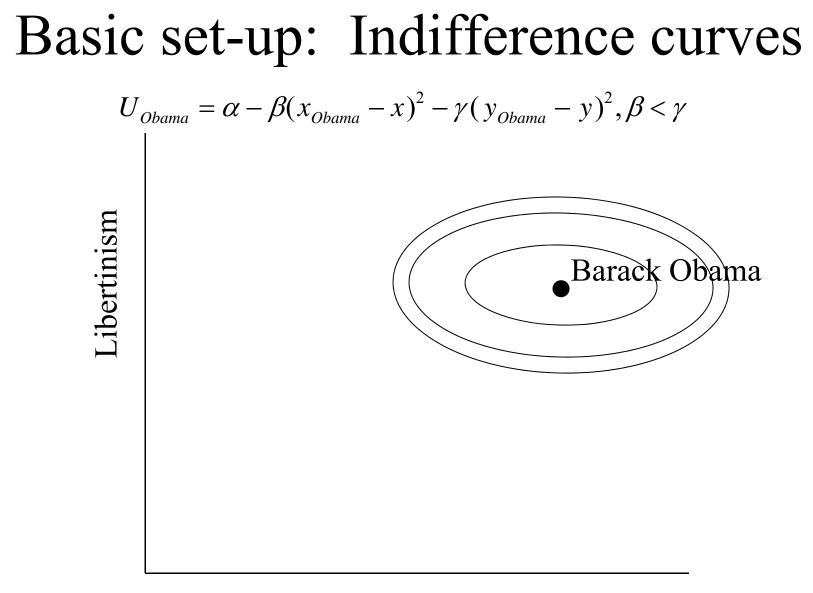
Basic set-up: Ideal points



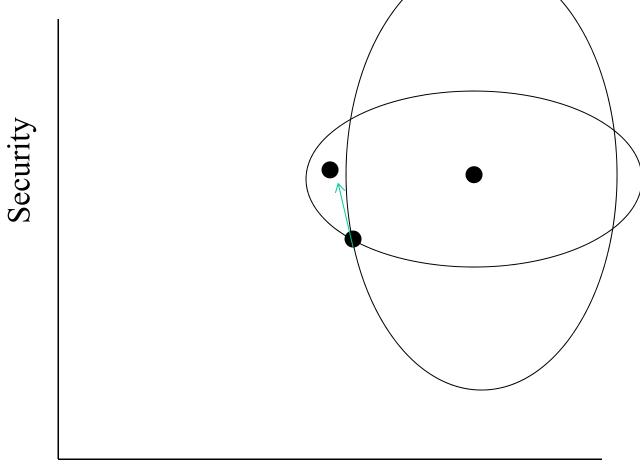








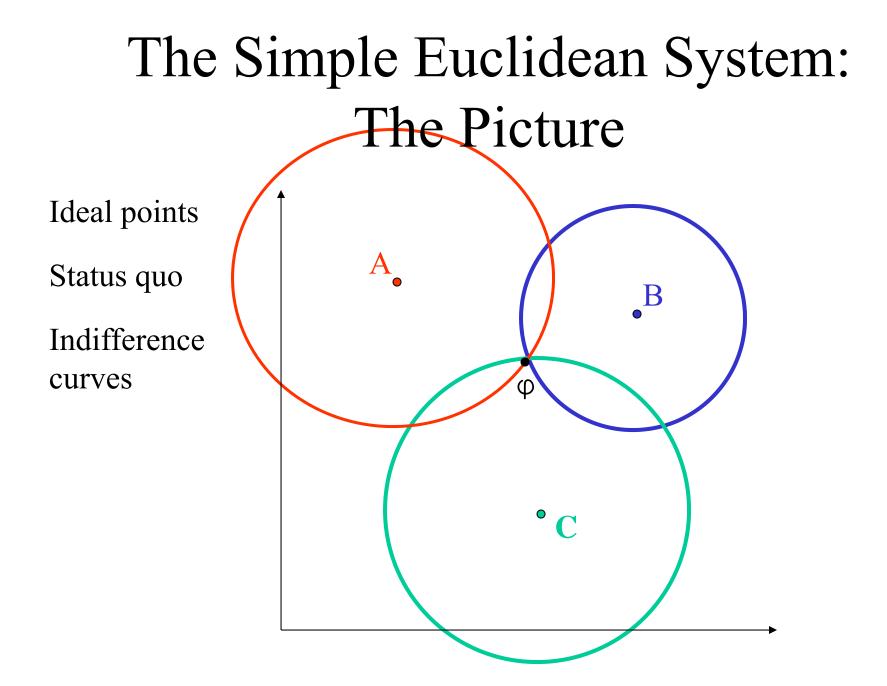
Why this makes a difference: Voter ID (the Wall?)

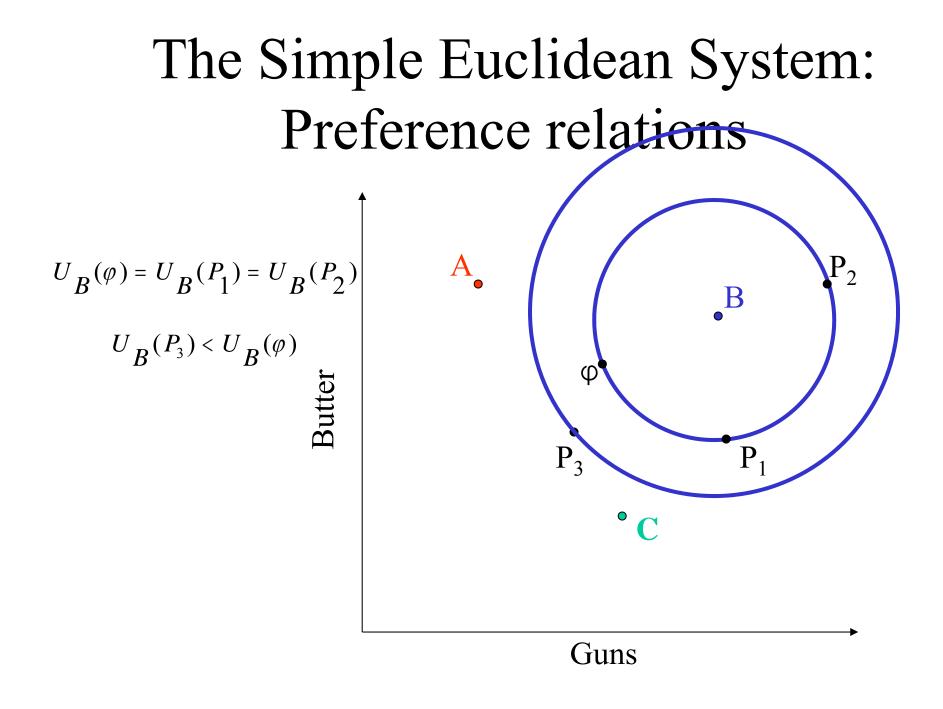


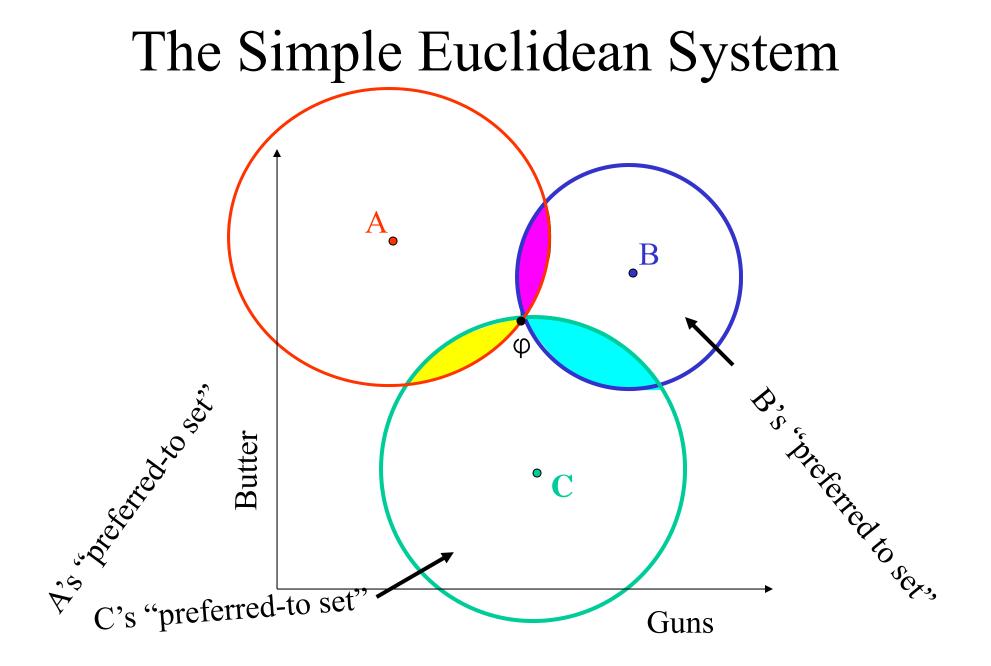
Convenience

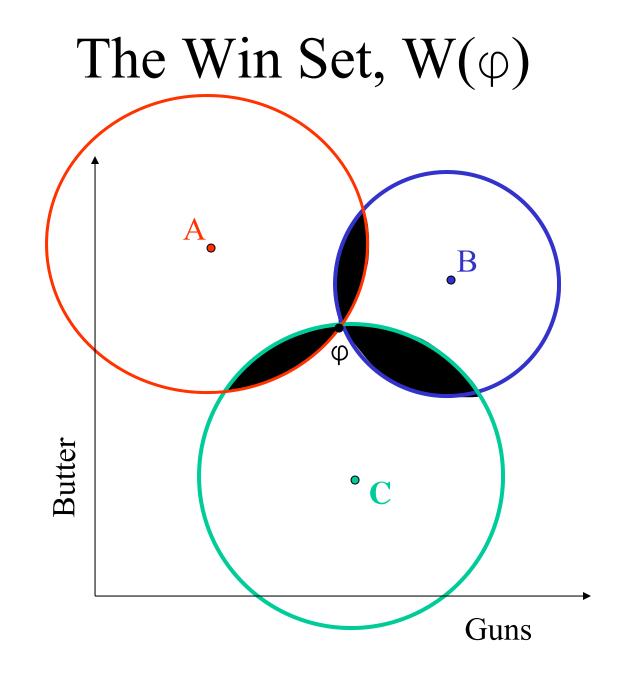
The Simple Euclidean System: The Equation

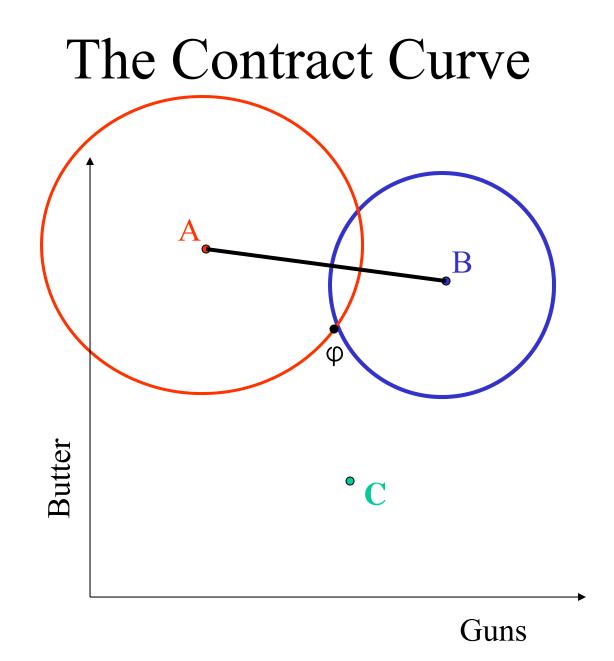
$$U_{i} = \alpha - (x_{i} - x)^{2} - (y_{i} - y)^{2}$$
$$U_{i} = -(x_{i} - x)^{2} - (y_{i} - y)^{2}$$



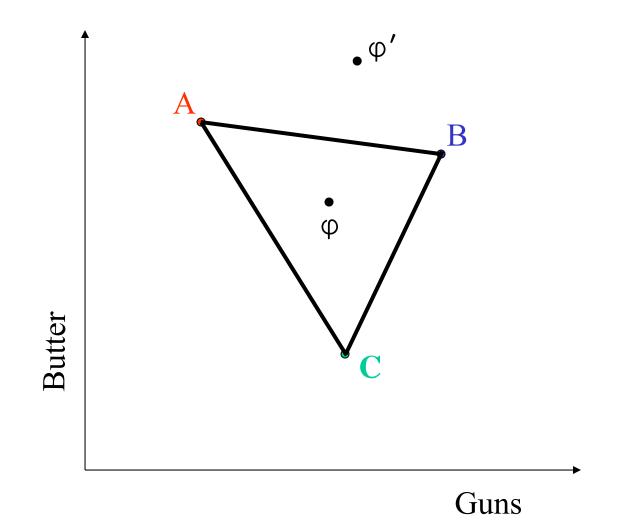




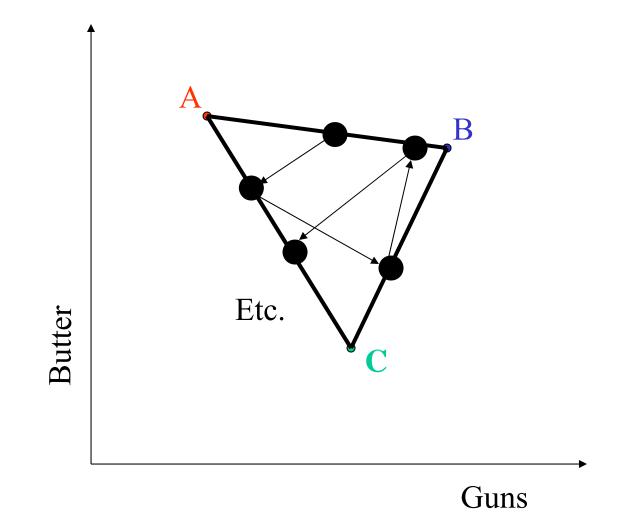




The Pareto Set



You are always off a contract curve



McKelvey Chaos Theorem

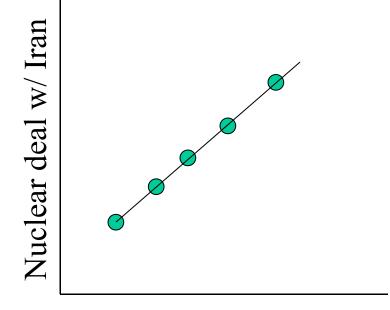
- With multiple attributes and multiple decisionmakers
 - There is no equilibrium of tastes
 - Anything can happen
 - I.e., the median voter result doesn't hold
- This is really important

What Might Induce Stability?

- Tastes
- Uncertainty
- Impatience
- Rules

Tastes may induce stability

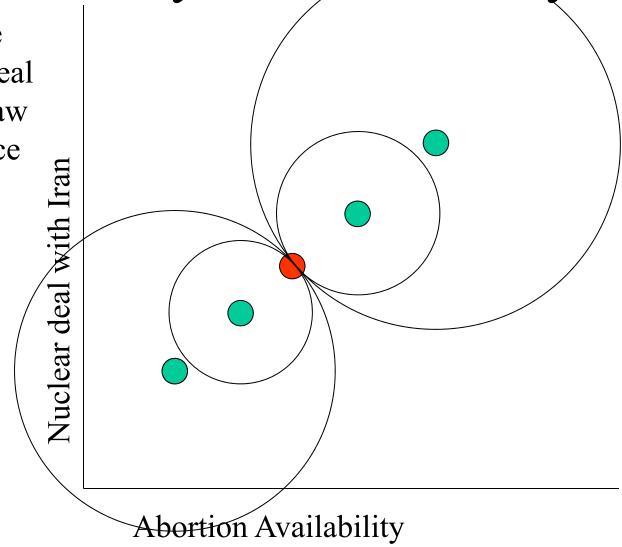
- Ideology
- "Median in all directions"

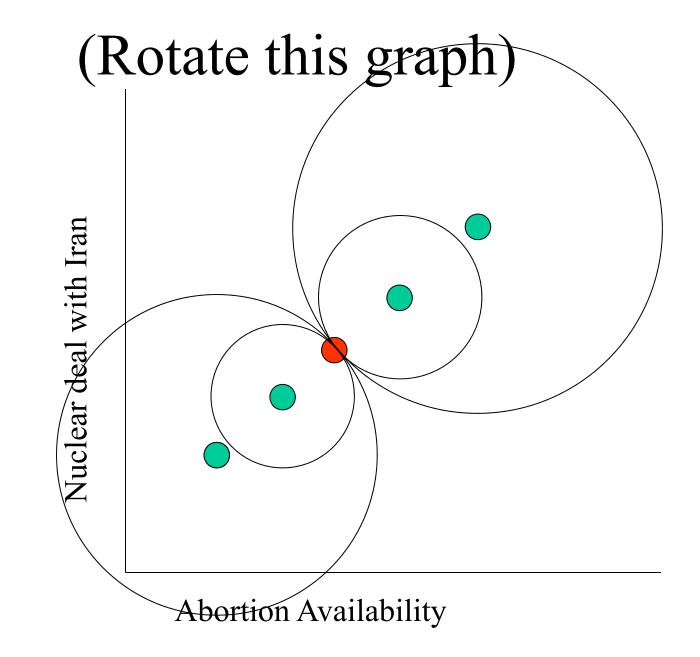


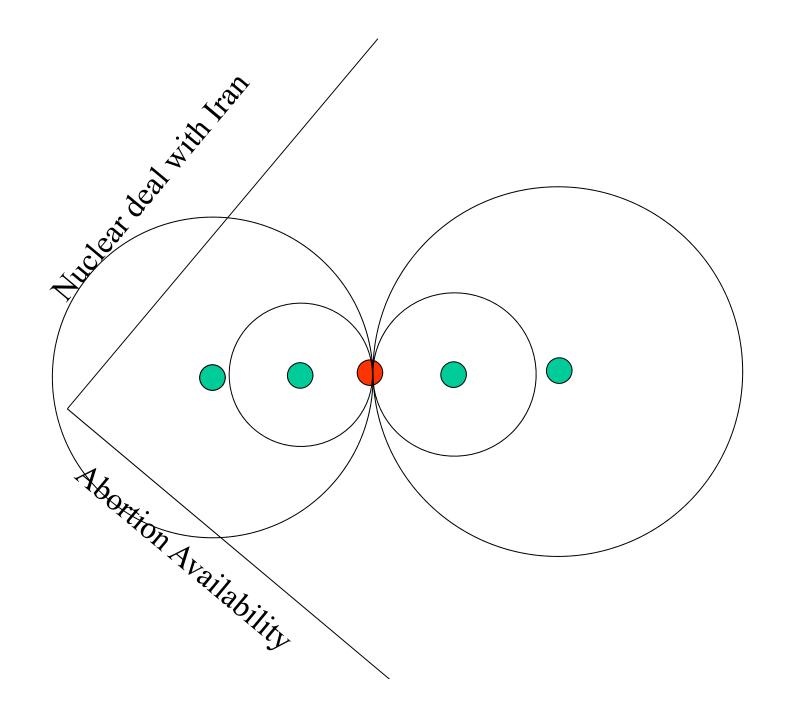
Abortion Availability

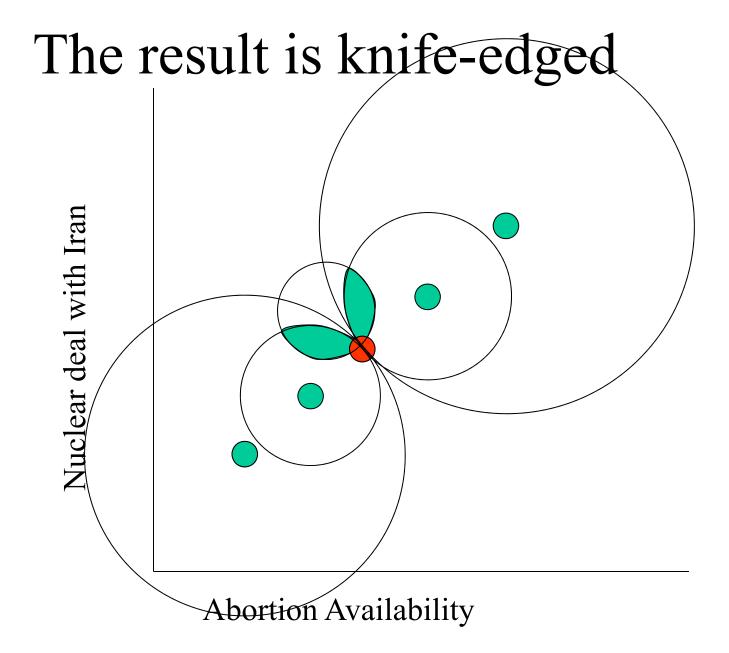
Tastes may induce stability

(Make s.q. the "median's" ideal point, then draw the indifference curves)









Uncertainty may induce stability

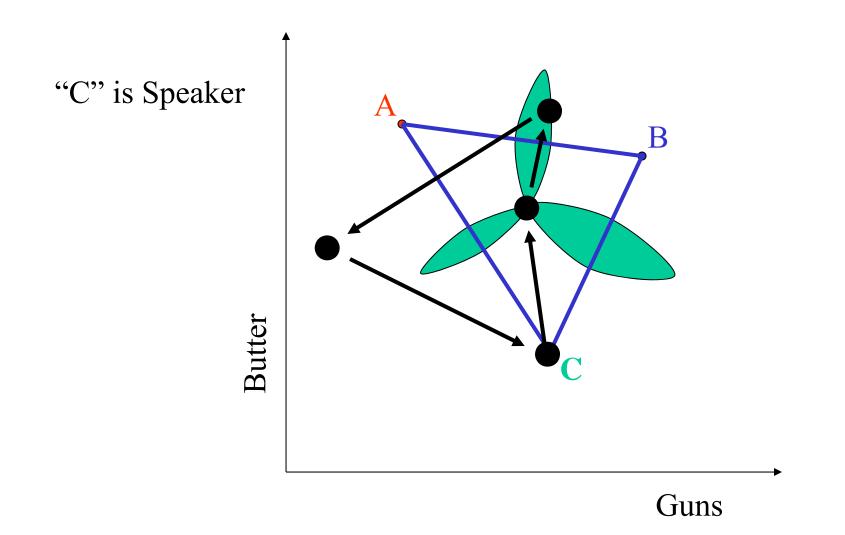
Policy w/ certainty Policy w/ uncertainty buiweupthi inverter inver inverter inver inverter inverter inverter inver inverter inver i

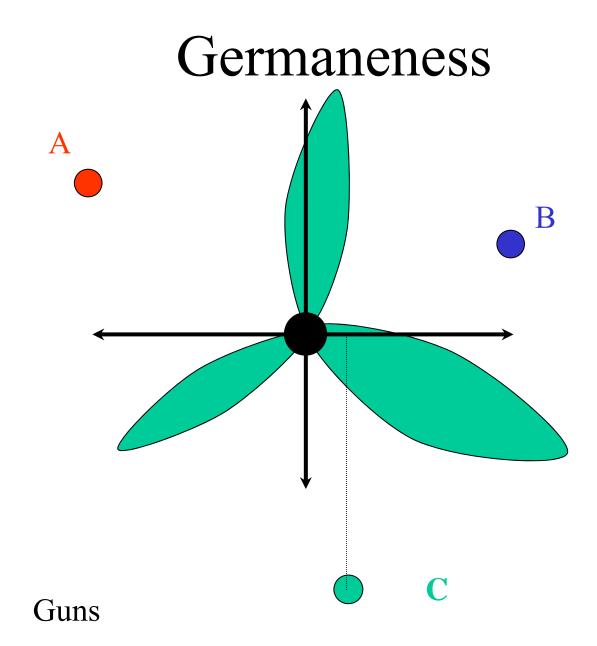
Abortion Availability

Rules may induce stability

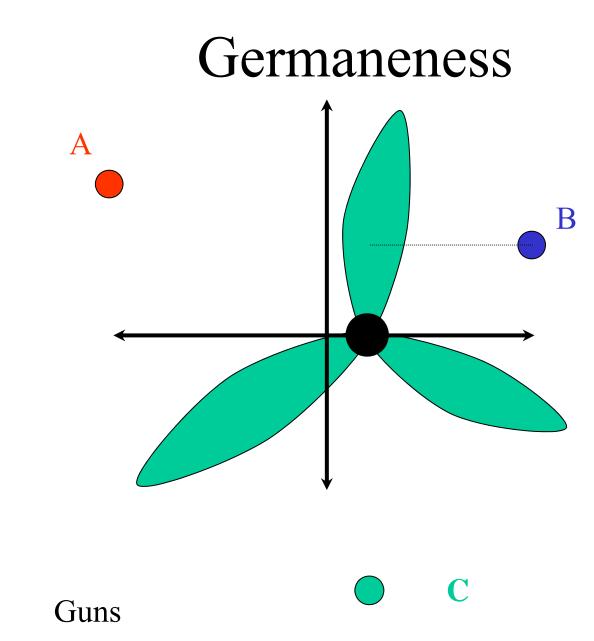
- Floor rules, e.g.
 - vote on status quo last
 - Not stability so much as guarding against "anything can happen"
 - Germaneness rules
- Committees

Status quo last

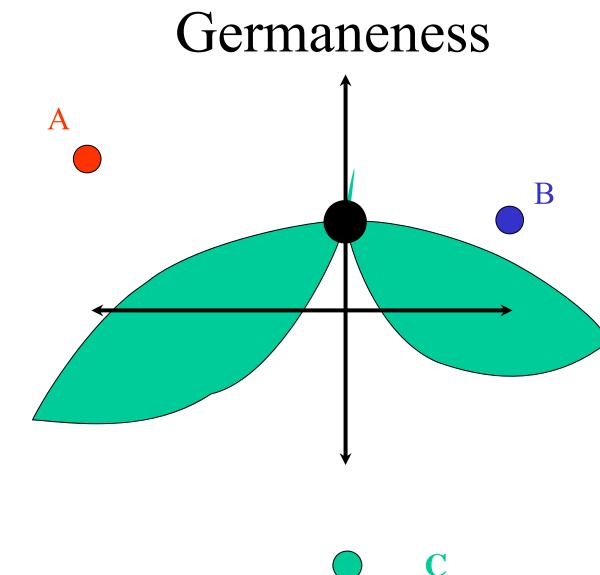




Butter



Butter







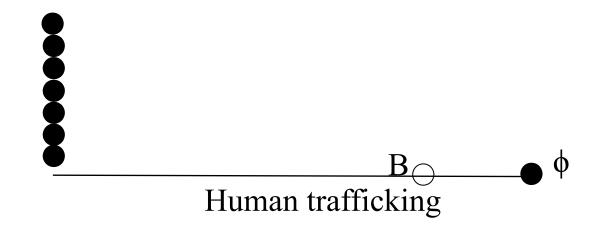
Stability-inducing powers of leaders and committees

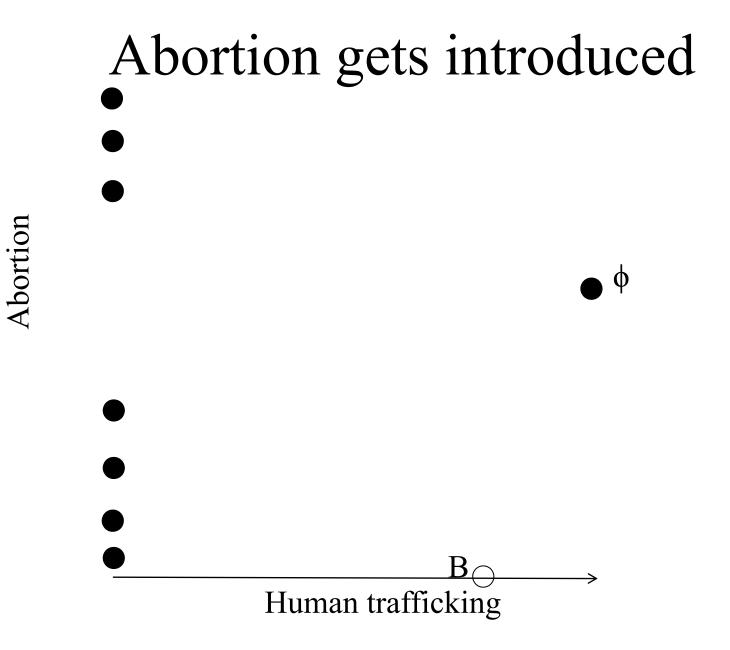
- Committees reduce dimensionality
- Committees and leaders have agendasetting powers

Examples of Multidimensionality in Action

- Informal decisionmaking
- Riker's "heresthetics"
 - Heresthetics: the strategic introduction of "extraneous" issues
 - Classic example: Popular election of Senators
 - Human trafficking

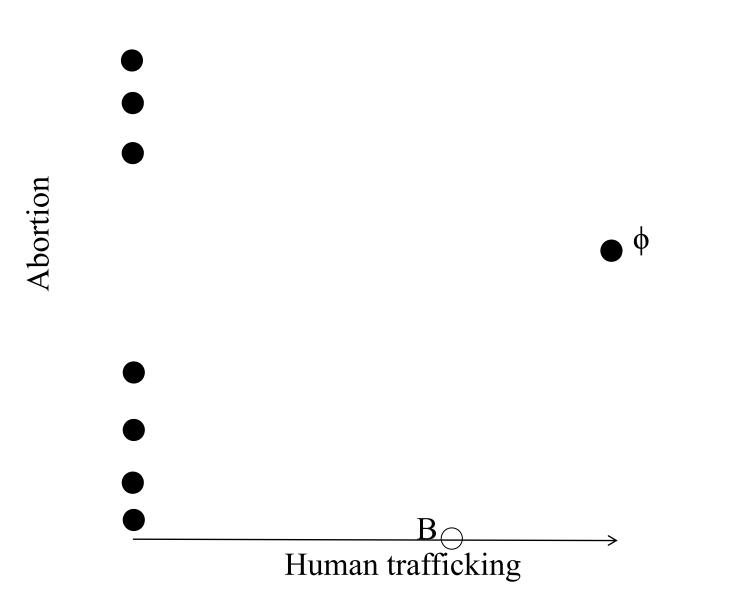
Simple human trafficking bill

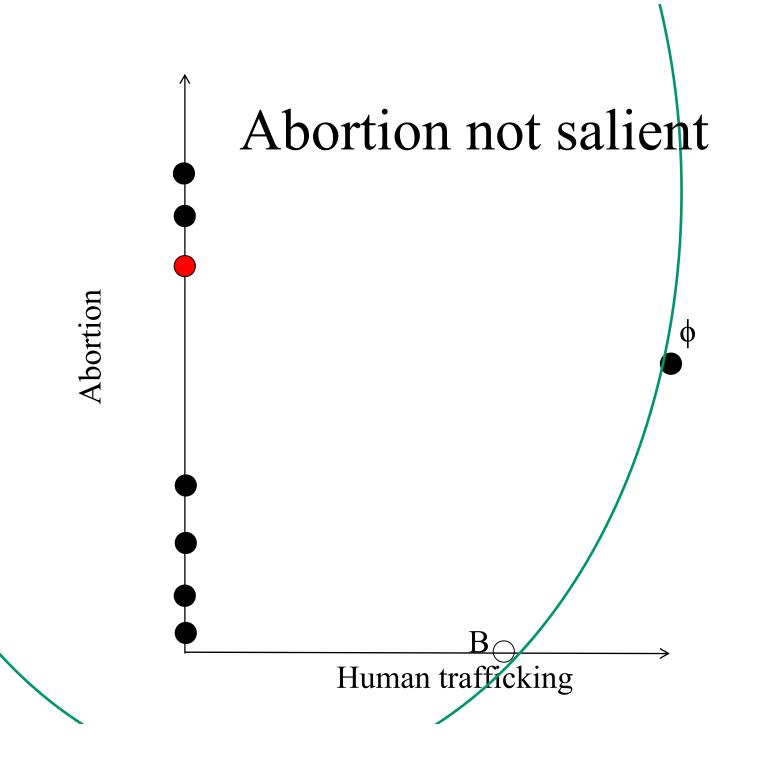


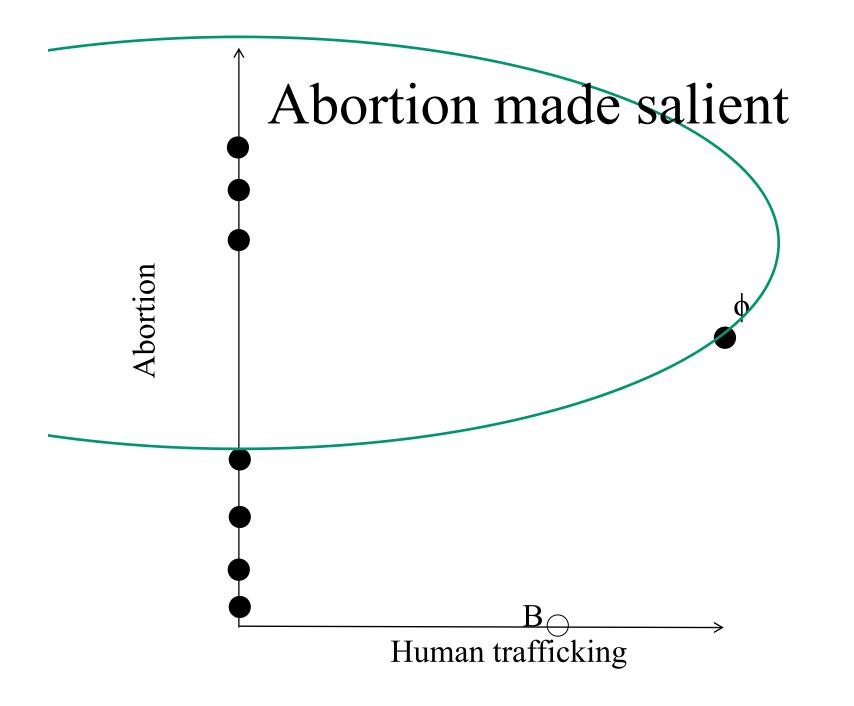


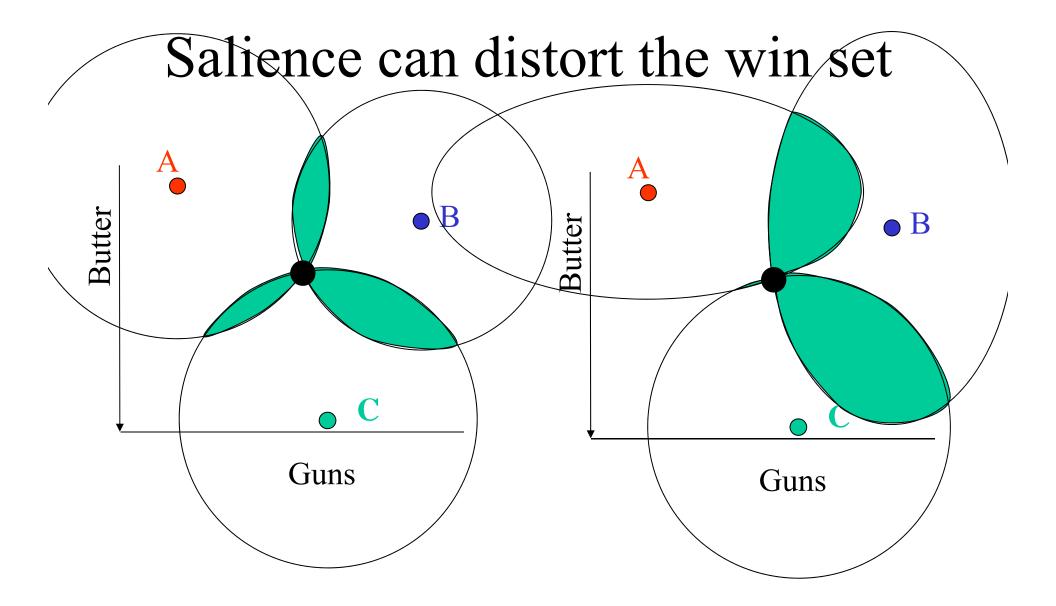
Unresolved Issues

- Salience
- Sophistication

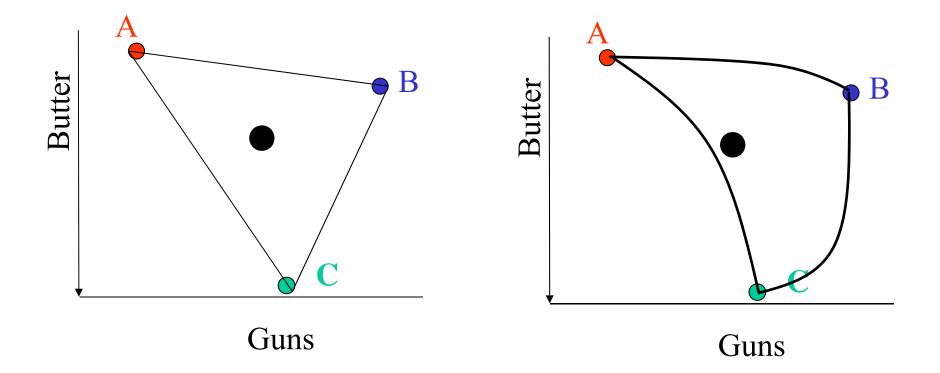








Salience can distort the win set



Sophisticated Voting

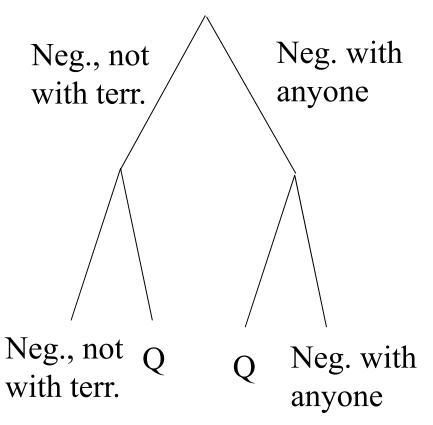
• The strategy of preferring one alternative at time *t* even through the immediate alternative is better, in order to prevent an *even worse* outcome in the future

Sophisticated Voting Example

Democrats	Hawkish R	Dovish R
Negotiate with anyone	Don't negotiate	Negotiate, but not with terrorists
Negotiate, but not with terrorists	Negotiate with anyone	Don't negotiate
Don't negotiate	Negotiate, but not with terrorists	Negotiate with anyone

Agenda

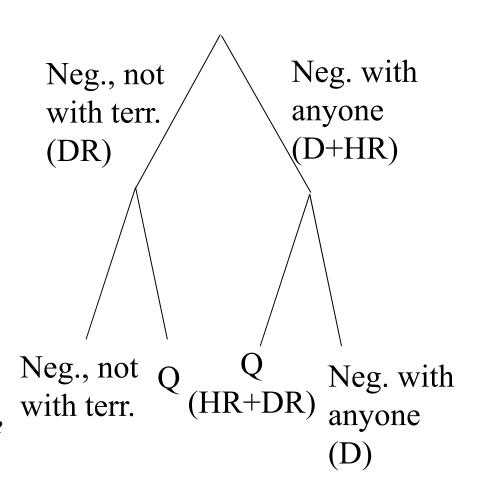
- Add "proviso" to negotiation strategy
- If the proviso passes, pair the negotiation strategy proviso against the status quo (continue no negotiation)
- If the proviso fails, pair the negotiation strategy against the status quo



Agenda

Democrats	Hawkish R	Dovish R
Negotiate with anyone	Don't negotiate	Negotiate, but not with terrorists
Negotiate, but not with terrorists	Negotiate with anyone	Don't negotiate
Don't negotiate	Negotiate, but not with terrorists	Negotiate with anyone

The proviso passes The amended negotiation fails, *even though a majority would have favored the original strategy over the status quo*



Outcome

- The proviso passes
- The amended treaty fails, even though a majority would have favored the original treaty over the status quo
- How to save ourselves? Sophistication
 - Backward induction

Agenda

Democrats	Hawkish R	Dovish R
Negotiate with anyone	Don't negotiate	Negotiate, but not with terrorists
Negotiate, but not with terrorists	Negotiate with anyone	Don't negotiate
Don't negotiate	Negotiate, but not with terrorists	Negotiate with anyone

