

DM	Option	Choice	Description
Syria	1.Release Water	Y	Syria agrees to halt the filling of Thawra Dam and let the Euphrates flow into Iraq
		N	Syria continues to fill its dam
	2.Escalate	Y	This could be done by cutting relations with Iraq, sending troops to the shared border, closing the air space to Iraqi aircraft, or any combination of these actions
		N	Syria does not undertake any of the escalating options
Iraq	3.Attack	Y	This includes bombing of the dam and going to war with Syria
		N	Iraq does not act and accepts the situation
Third Party	4.Act	Y	This includes mediation and reconciliation between the two countries and monetary support
		N	Do not intervene

DM	Option	States							
Syria	1.Release Water	N	Y	N	N	Y	N		
	2.Escalate	N	N	Y	N	N	N	Y	
Iraq	3.Attack	N	N	N	Y	Y	Y	Y	
Label		1	2	3	4	5	6		

DM	Option	States											
Syria	1.Release Water	N	Y	N	N	Y	N	N	Y	N	N	Y	N
	2.Escalate	N	N	Y	N	N	Y	N	N	Y	N	N	Y
Iraq	3.Attack	N	N	N	Y	Y	Y	N	N	N	Y	Y	Y
Third Party	4.Act	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y
Label		1	2	3	4	5	6	7	8	9	10	11	12

DM	P#	Preference Information (From most to least important)	Further Explanation
Syria	1	Remain at the status quo	Syria continues filling its dam and Iraq accepts the situation without any escalation or intervention
	2	Escalate the situation if Iraq decides to attack	Syria next prefers going to war with Iraq if it is attacked, which is more preferred than releasing water
Iraq	1	Syria releases more flow of the Euphrates River	Iraq most prefers the situation in which Syria stops filling its dam without any escalation
	2	Execute an attack if Syria does not release more water	Iraq's interest in water far outweighs the consequence of going to war

DM	States					
Syria	1	3	6	2	4	5
Iraq	2	4	6	1	5	3
	<i>Most Preferred</i>			<i>Least Preferred</i>		

DM	P#	Preference Information (From most to least important)	Explanation
Syria	1	Remain at the status quo	Syria continues filling its dam and Iraq accepts the situation without any escalation or intervention
	2	Release the flow of the Euphrates if and only if Iraq does not attack and with the mediation of a third party	This is the new preference information after the intervention of the Third Party
	3	Escalate the situation if Iraq decides to attack	Syria's least preferred situation is to go to war with Iraq
Iraq	1	Syria releases the flow of the Euphrates	Iraq's most preferred situation is that Syria stops the filling of its dam without any escalation and with or without an intervention
	2	Strike an attack if Syria does not release more water	Iraq's interest in water far outweighs the consequence of going to war
Third Party	1	Acts and influences Syria to release the flow of the Euphrates	The mediator's interest is to promote peace in the region and reduce harm for everyone

DM	States											
Syria	1	3	8	9	2	7	12	6	10	4	11	5
Iraq	8	2	6	12	4	10	7	5	11	1	9	3
Third Party	8	2	1	7	9	3	4	10	6	12	5	11
	Most Preferred									Least Preferred		

Solution Concepts	States	1	2	3	4	5	6
R (Nash)							✓
GMR		✓					✓
SMR		✓					✓
SEQ							✓

Solution Concepts	States	1	2	3	4	5	6	7	8	9	10	11	12
R (Nash)							✓		✓				
GMR			✓				✓	✓	✓				✓
SMR			✓				✓	✓	✓				✓
SEQ							✓		✓				

DM	Option	Status Quo	Intermediary states		Equilibrium		
Syria	Release Water	N	N	N	N	—————→	Y
	Escalate	N	N	→ Y	Y	—————→	N
Iraq	Attack	N	→ Y	Y	Y	—————→	N
Third Party	Act	N	N	N	→ Y		Y
Label		1	4	6	12		8

DM	Option	Choice	Description
Turkey	Escalate	Y	This includes threatening Syria, and massing the troops on the shared border with Syria
		N	Do not escalate
	Invade	Y	This includes an invasion of Syria and the declaration of war
		N	Do not attack
Syria	Stop PKK Support	Y	This includes banning of the PKK in Syria and the extradition of PKK leader to Turkey
		N	Syria continues to support PKK rebels
	Escalate	Y	This includes attacks on Turkey and its development projects
		N	Do not escalate
Third Party	Act	Y	This includes mediation and reconciliation between the two countries of Turkey and Syria.
		N	Do not intervene

DM	Option	States								
Turkey	Escalate	N	Y	N	Y	N	Y	N	Y	--
	Invasion	N	N	N	N	N	N	N	N	Y
Syria	Ban PKK	N	N	Y	Y	N	N	Y	Y	--
	Escalate	N	N	N	N	Y	Y	N	N	--
Third Party	Act	N	N	N	N	N	N	Y	Y	--
Label		1	2	3	4	5	6	7	8	9

DM	P#	Preference Information (From most to least preferred)	Further Explanation or Comments
Turkey	1	Syria stops its support for PKK	
	2	Escalate the situation if Syria does not ban PKK	
	3	Invade Syria if and only if Syria does not ban PKK	Turkey's least preferred situation is remaining at the status quo
Syria	1	Remain at the status quo	Syria continues to support the PKK and Turkey does not escalate (However, this move is restricted by the Third Party's intervention)
	2	Turkey does not invade	Syria's least preferred situation is an invasion by Turkey
	3	Escalate if Turkey escalates	
Third Party	1	Syria stops its support of PKK and Turkey does not invade Syria	Third Party is against the support of the rebellious PKK and wants to bring peace to the area

DM	States									
Turkey	3	7	8	4	6	9	2	1	5	
Syria	1	5	7	6	2	3	8	4	9	
Third Party	7	3	8	4	1	2	5	6	9	
	<i>Most Preferred</i>					<i>Least Preferred</i>				

Solution Concepts	1	2	3	4	5	6	7	8	9
R (Nash)						✓	✓		✓
GMR			✓	✓		✓	✓	✓	✓
SMR			✓	✓		✓	✓	✓	✓
SEQ						✓	✓		✓

DM	Option	Status Quo			Final Equilibrium		
Turkey	Escalate	N	→	Y	Y	→	N
	Invasion	N		N	N		N
Syria	Ban PKK	N		N	N	→	Y
	Escalate	N		N	→ Y	→	N
Third Party	Act	N		N	N	→	Y
Label		1		2	6		7

