

Aluno: Renato Miguel de Moraes

Questão 1

Maximax					Maximin				
Lucro					Lucro				
	Vender 1000	Vender 1200	Vender 1400	Maximax		Vender 1000	Vender 1200	Vender 1400	Maximin
Publicar 1000	3500	3100	3700	3700	Publicar 1000	3500	3100	3700	3100
Publicar 1200	2800	4500	2900	4500	Publicar 1200	2800	4500	2900	2800
Publicar 1400	2600	3800	4950	4950	Publicar 1400	2600	3800	4950	2600
Investimento					Investimento				
	Vender 1000	Vender 1200	Vender 1400	Maximax		Vender 1000	Vender 1200	Vender 1400	Maximin
Publicar 1000	11500	14900	17300	17300	Publicar 1000	11500	14900	17300	11500
Publicar 1200	14200	13500	16900	16900	Publicar 1200	14200	13500	16900	13500
Publicar 1400	16400	16200	15500	16400	Publicar 1400	16400	16200	15500	15500
Minimax Regrets					Minimax Regrets				
Lucro					Investimento				
	Vender 1000	Vender 1200	Vender 1400	Minimax regrets		Vender 1000	Vender 1200	Vender 1400	Minimax regrets
Publicar 1000	3500	3100	3700		Publicar 1000	11500	14900	17300	
Publicar 1200	2800	4500	2900		Publicar 1200	14200	13500	16900	
Publicar 1400	2600	3800	4950	900	Publicar 1400	16400	16200	15500	1800
Lucro (REGRETS)					Investimento (REGRETS)				
	Vender 1000	Vender 1200	Vender 1400	Maxi		Vender 1000	Vender 1200	Vender 1400	Minimax regrets
Publicar 1000	0	1400	1250	1400	Publicar 1000	4900	1300	0	4900
Publicar 1200	700	0	2050	2050	Publicar 1200	2200	2700	400	2700
Publicar 1400	900	700	0	900	Publicar 1400	0	0	1800	1800

Maximax - 4950 (maior lucro)

Maximin -11500 (menor perda independente do lucro)

Minimax - 900 (menor arrependimento)

Questão 2:

Gambit - [C:\Users\alunos\Desktop\questao\questao 2.gbt] Untitled Strategic Game

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Hide strategies which are dominated: All strategies shown

		L	M1	M2	R
Player 1	U	1 0	4 2	2 4	3 1
	M	2 4	2 0	2 2	2 1
Player 2	D	4 2	1 4	2 0	3 1

2.1 - Não há estratégias dominadas.

2.2 - 4 NEs

2.3 - Não há solução por dominância.

2.4 e 2.5 - Apenas 1 equilíbrio puro (1). 2,3 e 4 são mistos.

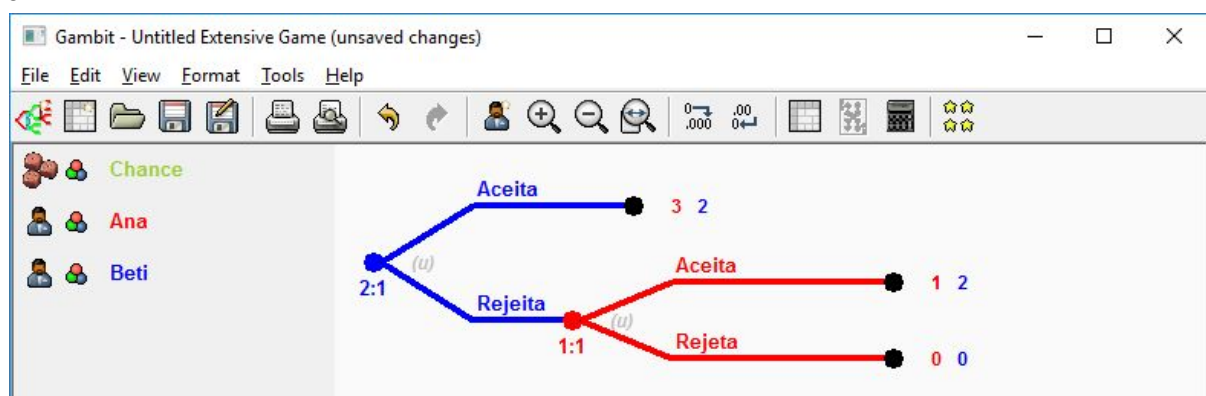
Computing Nash equilibria

The computation has completed. Number of equilibria for

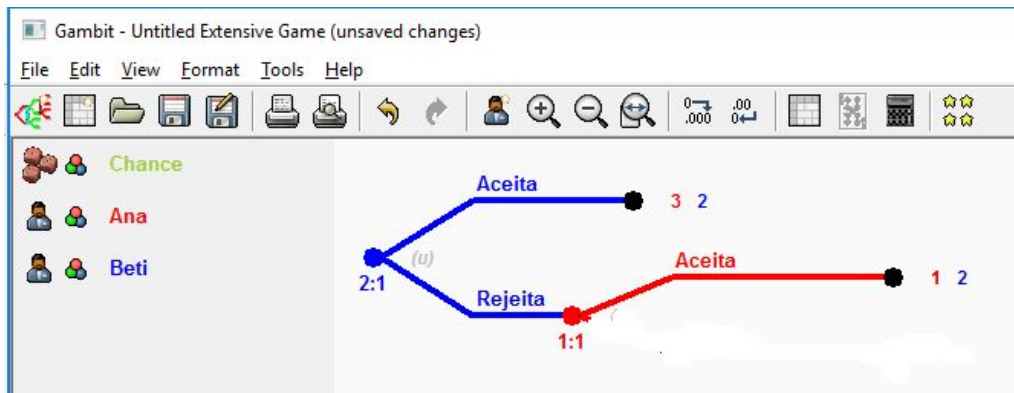
#	1: U	1: M	1: D	2: L	2: M1	2: M2	2: R
1	1	0	0	0	0	1	0
2	$\frac{1}{3}$	$\frac{2}{3}$	0	0	0	1	0
3	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	0	0	1	0
4	$\frac{2}{3}$	0	$\frac{1}{3}$	0	0	1	0

Questão 3:

3.1 -



3.2 -



Questão 4:

Gambit - Untitled Strategic Game (unsaved changes)

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Player 1
 Payoff: 0

Player 2
 Payoff: 0

		H		T	
H		1	-1	-1	1
T		-1	1	1	-1

Profiles ▾ All equilibria by enumeration of mixed strategies in strategic game

#	1: H	1: T	2: H	2: T
1	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$

Gambit - Untitled Strategic Game (unsaved changes)

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Player 1

Payoff: 1

Player 2

Payoff: 1

		C		D	
C		2	2	0	3
D		3	0	1	1

Profiles ▾

All equilibria by enumeration of mixed strategies in strategic game

#	1: C	1: D	2: C	2: D
1	0	1	0	1

Gambit - Untitled Strategic Game (unsaved changes)

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Player 1
Payoff: 1

Player 2
Payoff: 2

		Opera		Movie	
Opera		2	1	0	0
Movie		0	0	1	2

Profiles ▾ All equilibria by enumeration of mixed strategies in strategic game

#	1: Opera	1: Movie	2: Opera	2: Movie
1	1	0	1	0
2	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{2}{3}$
3	0	1	0	1

Gambit - Untitled Strategic Game (unsaved changes)

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Player 1
Payoff: 3/2

Player 2
Payoff: 3/2

		H		D	
H		0	0	3	1
D		1	3	2	2

Profiles ▾ All equilibria by enumeration of mixed strategies in strategic game

#	1: H	1: D	2: H	2: D
1	1	0	0	1
2	0	1	1	0
3	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$

Gambit - Untitled Strategic Game (unsaved changes)

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Player 1
Payoff: 1

Player 2
Payoff: 1

		A		B	
A		1	1	0	0
B		0	0	1	1

Profiles ▾ All equilibria by enumeration of mixed strategies in strategic game

#	1: A	1: B	2: A	2: B
1	1	0	1	0
2	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
3	0	1	0	1

Gambit - Untitled Strategic Game (unsaved changes)

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Player 1
Payoff: 1

Player 2
Payoff: 1

	A	2	2	0	0
	B	0	0	1	1

Profiles All equilibria by enumeration of mixed strategies in strategic game

#	1: A	1: B	2: A	2: B
1	1	0	1	0
2	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{2}{3}$
3	0	1	0	1

Gambit - Untitled Strategic Game (unsaved changes)

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D
Payoff: 2

S
Payoff: 3

	P	4	2	2	3
	D	6	-1	0	0

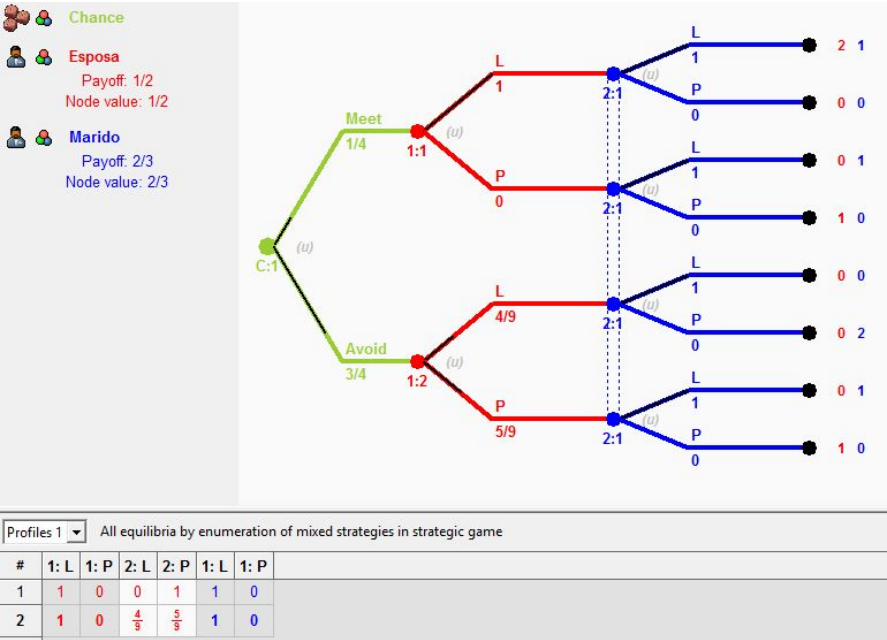
Profiles All equilibria by enumeration of mixed strategies in strategic game

#	1: P	1: D	2: P	2: D
1	1	0	0	1

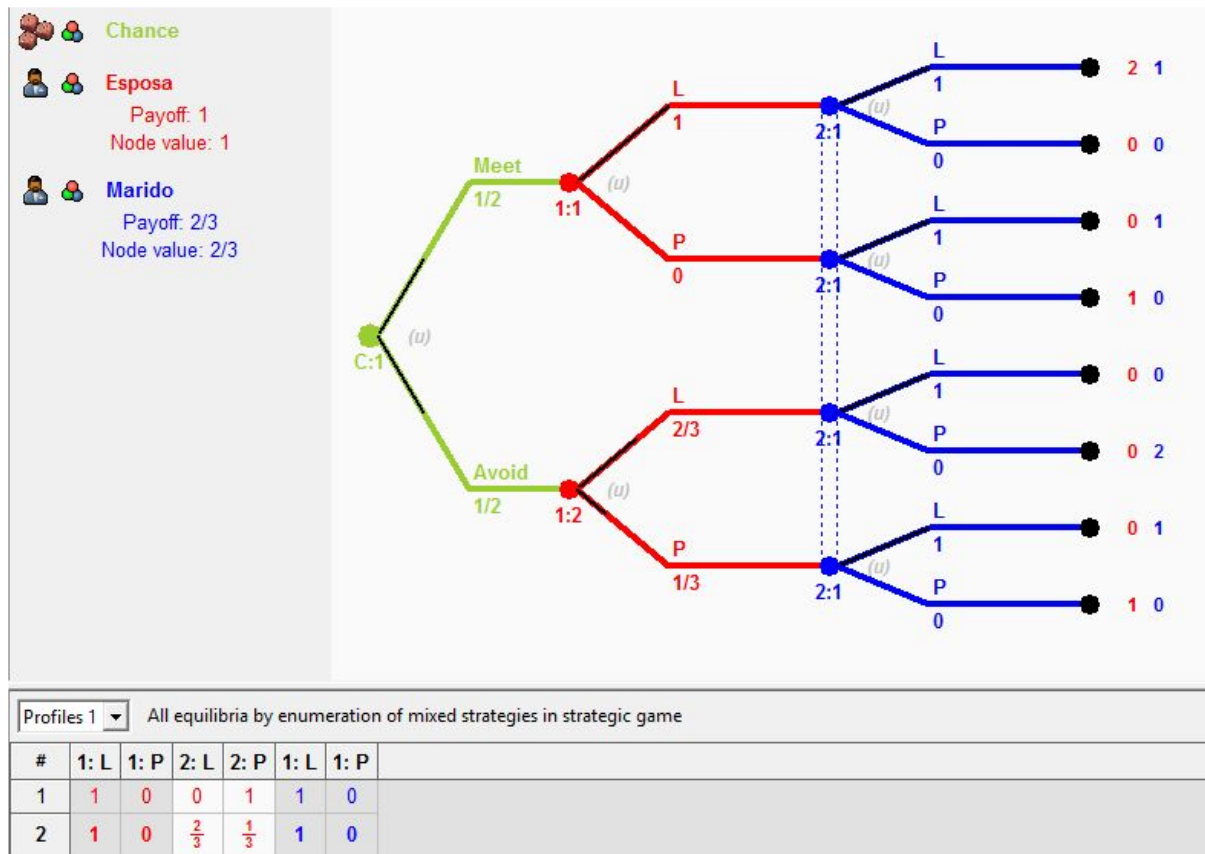
Questão 5

Questão 5

5.1 - $p=1/4$



5.2 - $p=1/2$



5.3 – $p=3/4$

