## ECON106/2214 Games and Decisions 2016 Term Paper

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- 1 Introduction
- 2 Background
- 3 Analysis

		Women			
		[A,A]	[A, B]	[B,A]	[B.B]
Men	(a,a)	(x, y, x, y)	(x, y, x, y)	(y, x, x, y)	(y, x, x, y)
	(a,b)	(x, y, x, y)	(x, x, x, x)	(y, y, y, y)	(y, x, y, x)
	(b,a)	(x, y, y, x)	(y, y, y, y)	(x, x, x, x)	(y, x, x, y)
	(b,b)	(x, y, y, x)	(y, x, y, x)	(x, y, y, x)	(y, x, y, x)

Table 1: no difference vs no difference

		Women			
		[H,H]	[H,L]	[H,L]	[L.L]
Men	(a, a)	$(x, y, x_h, y)$	$(x, y, x_h, y)$	$(y, x, x_l, y)$	$(y, x, x_l, y)$
	(a,b)	$(x, y, x_h, y)$	$(x, x, x_h, x_l)$	(y, y, y, y)	$(y, x, y, x_l)$
	(b,a)	$(x, y, y, x_h)$	(y,y,y,y)	$(x, x, x_l, x_h)$	$(y, x, x_l, y)$
	(b,b)	$(x, y, y, x_h)$	$(y, x, y, x_l)$	$(x, y, y, x_h)$	$(y, x, y, x_l)$

Table 2: difference vs no difference

		b		
		H	L	
a	H	$\left(\frac{x_h+y}{2},\frac{x_h+y}{2}\right)$	$\left(\frac{x_h+y}{2}, \frac{x_l+y}{2}\right)$	
	L	$\left(\frac{x_l+y}{2}, \frac{x_h+y}{2}\right)$	$(\frac{x_l+y}{2}, \frac{x_l+y}{2})$	

Table 3: women's payoff matrix with change seats

## 4 Conclusion

Table 4: women's payoff matrix without change seats

		Women			
		[H,H]	[H,L]	[H,L]	[L.L]
Men	(h,h)	$(x_h, y, x_h, y)$	$(x_h, y, x_h, y)$	$(y, x_h, x_l, y)$	$(y, x_h, x_l, y)$
	(h, l)	$(x_h, y, x_h, y)$	$(x_h, x_l, x_h, x_l)$	(y,y,y,y)	$(y,x_l,y,x_l)$
	(l,h)	$(x_l, y, y, x_h)$	(y,y,y,y)	$(x_l, x_h, x_l, x_h)$	$(y, x_h, x_l, y)$
	(l,l)	$(x_l, y, y, x_h)$	$(y, x_l, y, x_l)$	$(x_l, y, y, x_h)$	$(y,x_l,y,x_l)$

Table 5: difference vs difference