經濟學原理一課堂實驗(九):談判與完全競爭市場

Principles of Economics I - Classroom Experiment (9): Bargaining and Perfect Competition

本實驗每兩位同學組成一組。實驗一共進行兩回合,每回合15分鐘。兩回合的交易方式相同、 報酬表也相同。第一回合實驗中,所有人在時限內只能跟指定的「隔壁組」談判交易(交易次數不限); 第二回合實驗則可以跟任何其他組談判交易。自由談判沒有任何既定規則,但是交易不得強迫,交易 後亦不得反悔(雖然可以馬上談判下一筆交易)。每組將會拿到一張實驗說明,其背面為交易紀錄表, 右上角寫有各組組別 (例如 A1 組,代表 A 組的第1組)。所有組別不是 A 組,就是 B 組。請注意: 第一回合的「隔壁組」指的是英文字母和你不同、但號碼相同的那一組。舉例來說,如果你是「A3」 組,那你的「隔壁組」就是「B3」組。如果你是「B1」組,那「隔壁組」為「A1」組,依此類推。 第一回合開始前,每個 A 組都各自擁有 44 枚黑色棋子 (8 顆大黑棋子與 4 顆小黑棋子) 和 9 枚白色 棋子(大顆棋子代表「5枚棋子」); B組則擁有6枚黑色棋子和41枚白色棋子(8顆大白棋子與1顆 小白棋子)。第二回合開始前,每個 A 組都各自擁有 44 枚冷色棋子(8 顆藍色棋子與 4 顆綠色棋子) 和9枚暖色棋子(9顆黃色棋子)(藍色棋子等於「5枚棋子」);B組則擁有6枚冷色棋子(6顆綠色 棋子)和41枚暖色棋子(8顆紅色棋子與1顆黃色棋子)(紅色棋子等於「5枚棋子」)。〔與第一回合 相同,只是黑色换成冷色(藍綠)、白色換成暖色(紅黃)。]持有不同棋子組合的報酬如報酬表所示。 横軸為黑色 (冷色) 棋子顆數,縱軸為白色 (暖色) 棋子顆數,表內的數字即為各組的報酬。舉例來 說,A組若擁有5枚黑色和2枚白色棋子,則報酬為69。假如其與B1組用1枚黑色棋子去交換2枚 白色棋子,則此時該組有4枚黑色和4枚白色棋子,報酬變成80。同樣地,B組若擁有3枚黑色棋 子和 3 枚白色棋子, 則報酬為 60。假如其與 A2 組用 1 枚白色棋子去交換 2 枚黑色棋子, 則此時該組 有 5 枚黑色和 2 枚白色棋子,報酬變成 83。每完成一筆交易,請交由與你達成交易的對方組員填寫 實驗記錄,實驗者將會比對每筆交易,若有紀錄不實者將不計分! (紀錄表如不敷使用,請增畫表格 繼續填寫。)最後的總分除以一百即為您的實驗分數。

2 students form a group. There are two 15-minute rounds. Each round has the same trading rules and earnings table. In round 1, you can only trade with your partner group (multiple times); in round 2, you can trade with any other group. This is free form bargaining without set rules, but you cannot force others to trade, or renegade a deal (though you can make a new trade to reverse it). Each group will receive a set of instructions. The record sheet is at the back of the instructions. Your group number (say, A1 for the first A-group) is written on its upper right corner. You are either an A-group, or a B-group. Note: Your partner group is the one in the "other" type, but with the same number. E.g., A3's partner group is B3, B1's partner is A1, etc. At the beginning of round 1, each A-group has 44 black pieces (8 big, 4 small) and 9 white pieces (1 big piece = 5 small pieces); each B-group has 6 black pieces and 41 white pieces (8 big, 1 small). At the beginning of round 2, each A-group has 44 cold-color pieces (8 blue, 4 green) and 9 warm-color pieces (9 yellow) (1 blue = 5 green); each B-group has 6 cold-color pieces (6 green) and 41 warm-color pieces (8 red, 1 yellow) (1 red = 5 yellow). [Same as round 1, but black is now "cold" (blue/green), white is "warm" (red/yellow.)] Earnings for holding different combinations of pieces are shown in the earnings sheet. The horizontal axis is the number of black (cool-color) pieces; the vertical axis is the number of white (warm-color) pieces. The number in the corresponding cell is your earnings. E.g. If A-group has 5 black pieces and 2 white pieces, its earnings are 69. If it trades 1 black piece to B1 for 2 white pieces, then it now has 4 black pieces and 4 white pieces, and its earnings become 80. Similarly, if B-group has 3 black pieces and 3 white pieces, its earnings are 60. If it trades 1 white piece to A2 for 2 black pieces, then it has 5 black pieces and 2 white pieces, and B2's earnings become 83. Final earnings divided by 100 is your score for this experiment.

\*每筆交易成交後,請交由與你達成交易的對方組員填寫! Let your trading partner record this sheet after each deal!

## TASSEL 實驗交易紀錄表 Record Sheet (組別 Group: A\_\_\_\_\_組)

姓名:	系級:	學號:	
Name	Major	Student ID	
姓名:	系級:	學號:	

交易	交易	原本持有棋子數目		本次棋子交易量		現在持有棋子數目		現在價值
次數	對象	Initial Holding of Pieces		Pieces Traded		Current Holding of Pieces		Current
Trade	With	黑色Black	白色 White	黑色Black	白色 White	黑色Black	白色 White	Value
Ex	B1	5	2	-1	+2	4	4	80
1		44	9					
2								
3								
4								
5								

交易	交易	原本持有 Initial Holding		棋子交易量 The Trade		現持有 Current Holding		現在價值
次數	對象	冷色(藍綠)	暖色(紅黃)	冷色(藍綠)	暖色(紅黃)	冷色(藍綠)	暖色(紅黃)	Current
Trade	With	Cold(B/G)	Warm(R/Y)	Cold(B/G)	Warm(R/Y)	Cold(B/G)	Warm(R/Y)	Value
1		44	9					
2								
3								
4								
5								

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姓名:	系級:	學號:

交易	交易	原本持有棋子數目		本次棋子交易量		現在持有棋子數目		現在價值
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