***Appendix 1***

**Experimental Materials (in English)**

**Study 1 Materials**

Suppose you want to participate in a serial lottery that includes 5 draws. The probability of success at each draw is 50%, and only if you succeed in all draws you can win the final big prize. There is a privilege that can make you succeed in one of the five draws directly. Which draw are you willing to privilege?

Draw 1

Draw 2

Draw 3

Draw 4

Draw 5

Suppose in a knowledge contest, you need to answer five questions, each having the same difficulty. If you do it by yourself, the pass rate for each question is 50%. There is a privilege that can make you obtain the correct answer of one of the questions directly. Which question would you like to place this privilege on?

Question 1

Question 2

Question 3

Question 4

Question 5

Suppose you would participate in a game of listening to melody and guessing the name of the corresponding song. You need to guess the names of five songs in total. Each song guess has the same difficulty, and the pass rate for each song is 50%. Only when five songs are guessed correctly can you win the final big prize. There is a privilege that can make you succeed in one of the songs directly. Which song would you like to place this privilege on?

Song 1

Song 2

Song 3

Song 4

Song 5

Suppose you would participate in a certificate exam, which includes five subjects in order: subject 1, subject 2, subject 3, subject 4, and subject 5. Each subject has the same difficulty, and the pass rate of each subject is 50% if you prepare for it by yourself. Only when all the five subjects are passed can you get the certificate. An educational institution is conducting training for this exam. Paying the fee can ensure you to pass one of the subjects. Which subject do you want to invest your money in?

Subject 1

Subject 2

Subject 3

Subject 4

Subject 5

Suppose you are playing an electronic game. This game includes five steps, and each step has the same difficulty. If you play by yourself, the pass rate of each step is 50%. Only if five steps are all passed can you get the final success. There is a privilege that can make you pass one of the steps directly. Which step would you like to place this privilege on?

Step 1

Step 2

Step 3

Step 4

Step 5

**Study 2 Materials**

Suppose you want to participate in a serial lottery that includes 5 draws. The probability of success at each draw is 50%. Only if you succeed in all draws you can win the final big prize of 8,888 yuan. Before the 5 lottery draws, you can spend some money buying a privilege so as to pass one of the steps directly. At the other steps you need to draw the lottery by yourself.

A. If this privilege is for the 1st draw, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

B. If this privilege is for the 2nd draw, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

C. If this privilege is for the 3rd draw, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

D. If this privilege is for the 4th draw, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

E. If this privilege is for the 5th draw, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

Suppose in a knowledge contest, you need to do five questions, each having the same difficulty. If you do it by yourself, the pass rate for each question is 50%. Only when you do all of them correctly can you win the prize of 8,888 yuan. Before answering the 5 questions, you can spend some money buying a privilege so as to obtain one of the questions' correct answer directly. The remaining questions need to be done by yourself.

A. If this privilege is for the 1st question, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

B. If this privilege is for the 2nd question, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

C. If this privilege is for the 3rd question, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

D. If this privilege is for the 4th question, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

E. If this privilege is for the 5th question, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

Suppose you would participate in a game of listening to melody and guessing the name of the corresponding song. You need to guess the names of five songs in total. Each song has the same difficulty, and the pass rate for each song is 50%. Only when five song are guessed correctly can you win the prize of 8,888 yuan. Before the 5 songs begin, you can spend some money buying a privilege so as to pass one of the song directly. You need to guess the names of other songs by yourself.

A. If this privilege is for the 1st song, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

B. If this privilege is for the 2nd song, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

C. If this privilege is for the 3rd song, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

D. If this privilege is for the 4th song, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

E. If this privilege is for the 5th song, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

Suppose you want to participate in an above-water challenge game. It includes five items in total, each having the same difficulty. If you prepared it by yourself, each item's pass rate is 50%. Only when all five items are passed can you win the prize of 8,888 yuan. Before the five items begin, you can spend some money buying a privilege so as to pass one of the items directly. The remaining items need to be completed by yourself.

A. If this privilege is for the 1st item, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

B. If this privilege is for the 2nd item, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

C. If this privilege is for the 3rd item, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

D. If this privilege is for the 4th item, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

E. If this privilege is for the 5th item, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

Suppose you are playing an electronic game, which includes five steps, each step being independent and having the same difficulty. If you play by yourself, the pass rate of each step is 50%. Only if all the five steps are passed can you get the prize of 8,888 yuan. Before the 5-step game begins, you can buy a privilege to pass one of the steps directly. The other steps need to be played by yourself.

A. If this privilege is for the 1st step, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

B. If this privilege is for the 2nd step, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

C. If this privilege is for the 3rd step, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

D. If this privilege is for the 4th step, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

E. If this privilege is for the 5th step, you are willing to pay \_\_\_\_\_\_\_\_ yuan for it?

**Study 3 Materials**

Suppose you want to participate in a serial lottery that includes 5 draws. Only if you succeed in all draws you can win the final big prize. The probability of success at each draw is 50%. Now the organizer gives you a privilege, which can make you succeed in one of the five draws directly. You must decide which draw to put the privilege on before all lottery draws begin. Mathematically, the probability of success of the whole task is the same no matter on which draw the privilege is placed. Which draw are you willing to privilege?

Draw 1

Draw 2

Draw 3

Draw 4

Draw 5

Suppose in a knowledge contest, you need to answer five questions, only when you do all of them correctly can you win the final success. Each question has the same difficulty; if you do it by yourself, the pass rate for each question is 50%. Now the organizer gives you a privilege, which can make you obtain correct answer to one question directly. You must decide which question to be privileged before you begin to do all questions. Mathematically, the probability of success of the whole task is the same no matter on which question the privilege is placed. Which question are you willing to privilege?

Question 1

Question 2

Question 3

Question 4

Question 5

Suppose you would participate in a game of listening to melody and guessing the name of the corresponding song. You need to guess the names of five songs in total. Only when five songs are guessed correctly can you win the final success. Each song guess has the same difficulty, and the pass rate for each song is 50%. Now there is a privilege that can make you succeed in one of the songs directly. You must decide which song to be privileged before you begin to listen to any melody. Mathematically, the probability of success of the whole task is the same no matter on which question the privilege is placed. Which song are you willing to privilege?

Song 1

Song 2

Song 3

Song 4

Song 5

Suppose you would participate in a certificate exam, which includes five subjects in order: subject 1, subject 2, subject 3, subject 4, and subject 5. Only when all the five subjects are passed can you get the certificate. Each subject has the same difficulty, and the pass rate of each subject is 50% if you prepare for it by yourself. An educational institution is conducting training for this exam. Paying the fee can ensure you to pass one of the subjects. You must decide which subject to be privileged before all subjects begin. Mathematically, the probability of success of the whole task is the same no matter on which subject the privilege is placed. Which subject are you willing to privilege?

Subject 1

Subject 2

Subject 3

Subject 4

Subject 5

Suppose you are playing an electronic game. This game includes five steps. Only if five steps are all passed can you get the final success. Each step has the same difficulty. If you play by yourself, the pass rate of each step is 50%. Now there is a privilege that can make you pass one of the steps directly. You must decide which step to be privileged before the game starts. Mathematically, the probability of success of the whole task is the same no matter on which step the privilege is placed. Which step are you willing to privilege?

Step 1

Step 2

Step 3

Step 4

Step 5

Suppose you want to participate in an above-water challenge game. It includes five items in total. Only when all five items are passed can you win the final success. Each item has the same difficulty; if you prepared it by yourself, each item's pass rate is 50%. Now there is a privilege, which can secure your success in one of the items. The remaining items need to be completed by yourself. You must decide which item to be privileged before the whole game begins. Mathematically, the probability of success of the whole task is the same no matter on which item the privilege is placed. Which item are you willing to privilege?

Item 1

Item 2

Item 3

Item 4

Item 5

**Study 4 Materials**

Imagine that you are going to take a certificate exam that includes five subjects, each having the same difficulty and the same pass rate. Only passing all the five subjects can render you the final success. The exam of subjects 1, 2, 3, 4 and 5 were scheduled 1, 2, 3, 4 and 5 months after your exam registration respectively. The scores of the subjects will not be announced until tests of all subjects are completed.

Suppose you passed all the subjects except subject 1, how painful would you feel?

Suppose you passed all the subjects except subject 2, how painful would you feel?

Suppose you passed all the subjects except subject 3, how painful would you feel?

Suppose you passed all the subjects except subject 4, how painful would you feel?

Suppose you passed all the subjects except subject 5, how painful would you feel?

(Each participant indicated his pain on an 11-point scale: 0 = no feeling; 10 = extremely painful).