Study 2

*Drinking water contamination*

A refinery leak polluted the surrounding soil and water, which resulted in children from nearby villages suffering from a rare disease. Drugs for this disease have been developed and tested, and different medical options are available.

Imagine that you are an expert who is very influential among local hospitals. Which of the following options would you favor? Assume that the estimates are as follows:

*饮用水污染*

由于炼油厂水槽泄漏，周边土壤和饮用水都受到了污染，邻近村庄的若干名儿童因为此患上了一种罕见的疾病。针对这种疾病的药物已经开发和测试，现有不同的医疗方案可供选择。

假如你是一名对当地医院有很大影响力的专家，你将决定到底选择哪种医疗方案。

*Probability: 25%*

There are 40 children suffering from the disease.

一共有40名儿童患病

Type 1 (Classic):

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 25% probability that the health of all of the 40 children will be saved, and a 75% probability that the health of none the 40 children will be saved.

Option C: If the drug is used, the health of 30 children will be damaged for sure.

Option D: If the drug is used, there is a 75% probability that the health of all of 40 children will be damaged, and a 25% probability that the health of none of the 40 children will be damaged.

Type1:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有25%的可能性所有40名儿童的健康都会被挽救，有75%的可能性所有40名儿童的健康都不会被挽救。

C. 如果实施该方案，有30名儿童的健康确定会被损害。

D. 如果实施该方案，有75%的可能性所有40名儿童的健康都会被损害，有25%的可能性所有40名儿童的健康都不会被损害。

Type 2:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 25% probability that the health of all of the 40 children will be saved.

Option C: If the drug is used, the health of 30 children will be damaged for sure.

Option D: If the drug is used, there is a 75% probability that the health of all of 40 children will be damaged.

Type 2:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有25%的可能性所有40名儿童的健康都会被挽救。

C. 如果实施该方案，有30名儿童的健康确定会被损害。

D. 如果实施该方案，有75%的可能性所有40名儿童的健康都会被损害.

Type 3:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 75% probability that the health of none of the 40 children will be saved.

Option C: If the drug is used, the health of 30 children will be damaged for sure.

Option D: If the drug is used, there is a 25% probability that the health of none of the 40 children will be damaged.

Type 3:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有75%的可能性所有40名儿童的健康都不会被挽救。

C. 如果实施该方案，有30名儿童的健康确定会被损害。

D. 如果实施该方案，有25%的可能性所有40名儿童的健康都不会被损害。

*Probability: 47%*

There are 21 children suffering from the disease.

一共有21名儿童患病

Type 1 (Classic):

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 47% probability that the health of all of the 21 children will be saved, and a 53% probability that the health of none of the 21 children will be saved.

Option C: If the drug is used, the health of 11 children will be damaged for sure.

Option D: If the drug is used, there is a 53% probability that the health of all of 21 children will be damaged, and a 47% probability that the health of none of the 21 children will be damaged.

Type1:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有47%的可能性所有21名儿童的健康都会被挽救，有53%的可能性所有21名儿童的健康都不会被挽救。

C. 如果实施该方案，有11名儿童的健康确定会被损害。

D. 如果实施该方案，有53%的可能性所有21名儿童的健康都会被损害，有47%的可能性所有21名儿童的健康都不会被损害。

Type 2:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 47% probability that the health of all of the 21 children will be saved.

Option C: If the drug is used, the health of 11 children will be damaged for sure.

Option D: If the drug is used, there is a 53% probability that the health of all of 21 children will be damaged.

Type 2:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有47%的可能性所有21名儿童的健康都会被挽救。

C. 如果实施该方案，有11名儿童的健康确定会被损害。

D. 如果实施该方案，有53%的可能性所有21名儿童的健康都会被损害。

Type 3:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 53% probability that the health of none of the 21 children will be saved.

Option C: If the drug is used, the health of 11 children will be damaged for sure.

Option D: If the drug is used, there is a 47% probability that the health of none of the 21 children will be damaged.

Type 3:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有53%的可能性所有21名儿童的健康都不会被挽救。

C. 如果实施该方案，有11名儿童的健康确定会被损害。

D. 如果实施该方案，有47%的可能性所有21名儿童的健康都不会被损害。

*Probability: 72%*

There are 14 children suffering from the disease.

一共有14名儿童患病

Type 1 (Classic):

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 72% probability that the health of all of the 14 children will be saved, and a 28% probability that the health of none the 14 children will be saved.

Option C: If the drug is used, the health of 4 children will be damaged for sure.

Option D: If the drug is used, there is a 28% probability that the health of all of 14 children will be damaged, and a 72% probability that the health of none of the 14 children will be damaged.

Type1:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有72%的可能性所有14名儿童的健康都会被挽救，有28%的可能性所有14名儿童的健康都不会被挽救。

C. 如果实施该方案，有4名儿童的健康确定会被损害。

D. 如果实施该方案，有28%的可能性所有14名儿童的健康都会被损害，有72%的可能性所有14名儿童的健康都不会被损害。

Type 2:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 72% probability that the health of all of the 14 children will be saved.

Option C: If the drug is used, the health of 4 children will be damaged for sure.

Option D: If the drug is used, there is a 28% probability that the health of all of 14 children will be damaged.

Type 2:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有72%的可能性所有14名儿童的健康都会被挽救。

C. 如果实施该方案，有4名儿童的健康确定会被损害。

D. 如果实施该方案，有28%的可能性所有14名儿童的健康都会被损害。

Type 3:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 28% probability that the health of none the 14 children will be saved.

Option C: If the drug is used, the health of 4 children will be damaged for sure.

Option D: If the drug is used, there is a 72% probability that the health of none of the 14 children will be damaged.

Type 3:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有28%的可能性所有14名儿童的健康都不会被挽救。

C. 如果实施该方案，有4名儿童的健康确定会被损害。

D. 如果实施该方案，有72%的可能性所有14名儿童的健康都不会被损害。