Example

- There is a IT server valued at $100000. If an attack occurs then 80% of the asset is exposed. The attack is likely to happen once in two years. Now after analysis there are two possible counter measures A and B. Countermeasure A reduces the exposure by 75% but occurrence rate remains the same, it will cost $17000 per year. Countermeasure B reduces the occurrence to once in 4 years, keeping the exposure rate same, it will cost $4000 per year. Which of the countermeasure is better A or B?