

Engineering Optimization Homework

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1 真假话

- A:是B干的
- B:是D干的
- C:不是我
- D:B说谎
- 只有一个人说真话

Question is Equation 1.:

y为真话,x为干的

$$\begin{aligned}y_A + y_B + y_C + y_D &= 1 \\y_A &= x_B \\y_B &= x_D \\y_C &= 1 - x_C \\y_D &= 1 - x_D\end{aligned}\tag{1}$$