$$P(a,c) = P(a,b) = \int [1 - A(b,\lambda) A(c,\lambda)] d\lambda p(\lambda) = 1 + P(b,c)$$

P(a, b) + quantum mechanical.

$$\overline{P}(a,b) + a,b \leq |\overline{P}| + a,b| \leq \epsilon + \delta$$

$$a=b \rightarrow \int d\lambda p(\lambda) [\overline{A}(b,\lambda) \overline{B}(b,\lambda) + 1] \leq \epsilon + \delta$$

1+P(b,c)+6+8=1+P+b.c-b.c+6+8<1+|P+b.c|+(6+8) < 1+2(6+8)-b.c

$$N_3 + N_4 \le (N_2 + N_4) + (N_3 + N_7) \stackrel{?}{\sim} \stackrel{\&}{\sim} N_2$$

مرهان رابطي استفاده سده:

$$\begin{bmatrix}
0 & \cos \theta + i \sin \theta \\
0 & \cos \theta - i \sin \theta
\end{bmatrix}
\begin{bmatrix}
x \\
y
\end{bmatrix} = \begin{bmatrix}
x \\
y
\end{bmatrix}$$

$$\begin{bmatrix}
x \\
y
\end{bmatrix} = \frac{1}{\sqrt{2}} \begin{bmatrix} e^{i\theta} \\
1 \end{bmatrix}$$

$$P = \left| \left\langle S, b + \left| S_1 + x \right\rangle \right|^2 = \left( \frac{1}{2} \right)^2 \left( \left[ 1 - 1 \right] \left[ \frac{e^{i\theta}}{4} \right] \right) \left( \left[ 1 - 1 \right] \left[ \frac{e^{-i\theta}}{4} \right] \right) = \frac{e^{-i\theta} - 1}{2} = \frac{1 - e^{-i\theta}}{2} = \sin^2 \frac{\theta}{2}$$