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## A. Learn how to compute your probabilities

The z-component of the spin of an electron is measure and the value  $\hbar/2$  is found. Immediately afterwards, the spin along a direction making an angle  $\theta$  with the z-axis is measured. What are the possible outcomes of this second measurement and with which probabilities they arise?

	В.	Correlation in a spin singlet ("EPR pair")
Solve Griffiths 4.50.		