

k_1

k_2

R_z
 θ



The diagram illustrates a quantum circuit with two horizontal lines representing qubits, labeled k_1 (top) and k_2 (bottom). A CNOT gate is applied, with the control on qubit k_1 and the target on qubit k_2 . The control is represented by a solid orange circle on line k_1 , and the target is represented by a solid orange square on line k_2 . The square is labeled with the text R_z and θ stacked vertically. A vertical orange line connects the control circle to the target square.