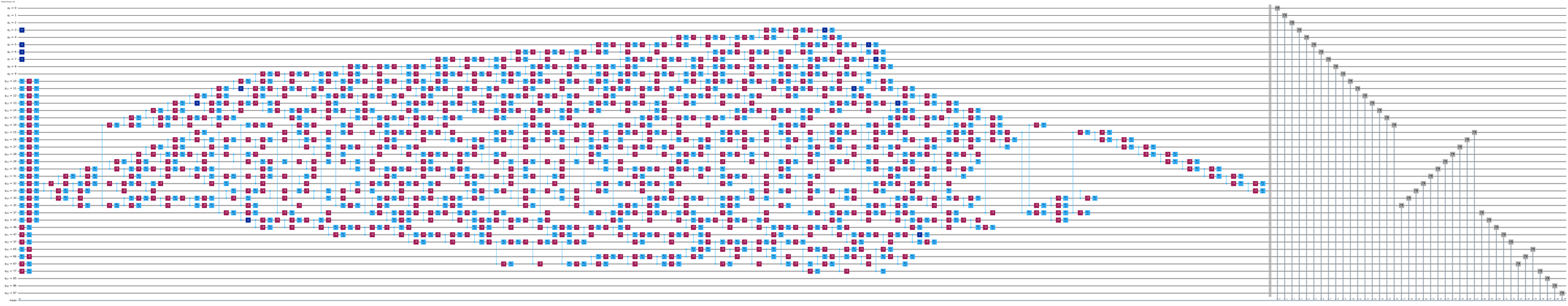
Global Phase: 45
q_0: H S
q_1: H S
q_2: H S
q_3: H S
q_4: H S
q_5: H S
q_6: H S
q_7: H S
q_8: H S
q_9: H S
q_10: S
q_11: S
q_12: S
q_13: S
q_14: S
q_15: S
q_16: S
q_17: S
q_18: S
q_19: S
q_20: S
q_21: S
q_22: S
q_23: S
q_24: S
q_25: S
q_26: S
q_27: S
q_28: S
q_29: S