

**DH9.2** Design a 2-digit BCD D/A converter. Assume that the inputs are zero or +1 volt; the output should go from zero to 9.9 volts. *Note: Here, each digit, ranging between 0 and 9, is represented in terms of 4-bits. You need to design then a circuit with 8 inputs, to which either of the two voltages above is applied, and with one output. The output voltage needs to be proportional to the represented decimal number. Use resistors with proper values, as well an op-amp or two.*