Homework 29 omework 29 - BLEC 2200 - Fall 2021 Make a one-hot finite state machine using falling edge DFFs (.5 points) to atput a 1 only after receiving the sequence 00, 01, 10, 11 on inputs named and y, respectively. Use only NOR gates, (1 point for gates, 1 point for orrect equations for sequence detection/states, 2.5 points for completed ircuit that works.) K=1 9=0 たのどし TO TO 5-0 $\mathcal{D}_{A} = Q_{A} \times y + Q_{B} \times + Q_{E} \times y$ $D_{B} = 0 + \overline{x} \overline{y} + Q_{0} \overline{y} + Q_{0} \overline{y} + Q_{E} \overline{x} \overline{y}$ Dc = QBxy+ Qcxy+ Qpx Do= Qcx 5 DE = Qoxy Z= QE Q_ DFFA DFFB Q





