Use One hot encoding
S0 = 001, S1=010, S2=100

Equations:
ld = Q0 Start’
en = Q2 Start
D0 = Q0 Start’ + Q2 Start’
D1 = Q0 Start + Q2 Start
D2 = Q1

The reason I used one hot encoding is because equations can be written by inspection. You should be able to solve this problem for other state encodings.