

Q4

Wednesday, May 20, 2020

4:17 PM

$$F = \{q_1\} \quad Z = \{$$

$$q_0, 0 \rightarrow q_0$$

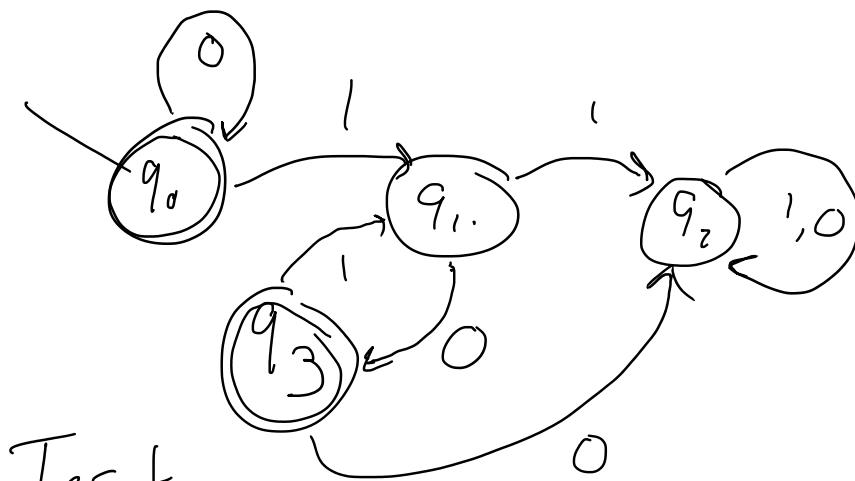
$$q_0, \epsilon \rightarrow q_1$$

$$q_1, 1 \rightarrow q_2$$

$$q_2, 0 \rightarrow q_1$$

}

DFA for $0^*(10)^*$



Test

11010, q_0

| 1

1010, q_1

| 1

010, q_2

| 0

10, q_2

| 1

0, q_2

| 0

~~0~~, q_2

q_2 is not an accept state therefore pass

Test 2 001010, q_0

|

| 0

010/0, 90

| 0

10/0, 90

| 1

010, 91

| 0

10, 93

| 1

0, 91

|

↓
~~0~~, 9₃ 9

0 is accepted
as expected