

Dolo-650

January 25
Wednesday

| | 0 | 1 | | |
|-------|-------|-------|----|---|
| q_1 | q_2 | q_3 | NF | F |
| q_4 | q_3 | q_5 | F | F |

| | 0 | 1 | | |
|-------|-------|-------|----|---|
| q_3 | q_4 | q_3 | NF | F |
| q_5 | q_2 | q_5 | NF | F |

(q_2, q_4) are equivalent.

Notes:

January '17
Mon 30 2 9 16 23

following algorithm DFA using table
start state A where A is the
are the final states C, f and I

| | | |
|---|---|---|
| 3 | 0 | 1 |
| A | B | E |
| B | C | f |
| C | D | H |
| D | E | H |
| E | F | I |
| F | G | B |
| G | H | B |
| H | I | C |
| I | A | E |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| B | X | | | | | | | |
| C | X | X | | | | | | |
| D | | X | X | | | | | |
| E | | | X | X | | | | |
| F | X | | | X | X | | | |
| G | X | X | | | X | X | | |
| H | | X | X | | | X | X | |
| I | X | X | | X | X | | X | X |

February '17

| | | | | |
|-----|---|----|----|----|
| Mon | 6 | 13 | 20 | 27 |
| Tue | 7 | 14 | 21 | 28 |
| Wed | 1 | 8 | 15 | 22 |
| Thu | 2 | 9 | 16 | 23 |
| Fri | 3 | 10 | 17 | 24 |
| Sat | 4 | 11 | 18 | 25 |
| | 5 | 12 | 19 | 26 |

| | | | | |
|---|---|---|----|----|
| | O | I | | |
| D | E | H | NF | NF |
| G | F | I | NF | NF |

| | | | | |
|---|---|---|----|----|
| | O | I | | |
| D | E | H | NF | NF |
| H | I | C | F | F |

| | | | | |
|---|---|---|----|----|
| | O | I | | |
| E | F | I | F | F |
| G | H | B | NF | NF |

| | | | | |
|---|---|---|---|---|
| | O | I | | |
| E | F | I | F | F |
| H | I | C | F | F |

| | | | | |
|-----|---|---|----|----|
| | O | I | | |
| X G | H | B | NF | NF |
| H | I | C | F | F |

Pairs

(A, D)

(B, H)

(C, F)

(A, G)

(B, E)

(C, I)

(D, H)

(D, G) → (A, D, G)

(E, H) → (B, H, E)

(F, I) → (C, F, I)

(D, H)

Notes:

January '17

Mon 30 2 9 16 23

Tue 31 3 10 17 24

Wed 4 11 18 25

Thu 5 12 19 26

| | | | | |
|---|---|---|----|----|
| | 0 | 1 | | |
| A | B | E | NF | NF |
| D | E | H | NF | NF |

| | | | | |
|---|---|---|----|----|
| | 0 | 1 | | |
| A | B | E | NF | NF |
| G | H | B | NF | NF |

| | | | | |
|---|---|---|---------------|---------------|
| | 0 | 1 | | |
| A | B | E | NF | NF |
| H | I | C | NF | NF |

| | | | | |
|---|---|---|----|----|
| | 0 | 1 | | |
| B | C | F | F | F |
| D | E | H | NF | NF |

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| | 0 | 1 | | |
| B | C | F | F | F |
| B | C | F | F | F |
| E | F | I | F | F |

| | | | | |
|---|---|---|----|----|
| | 0 | 1 | | |
| B | B | E | NF | NF |
| G | H | B | NF | NF |

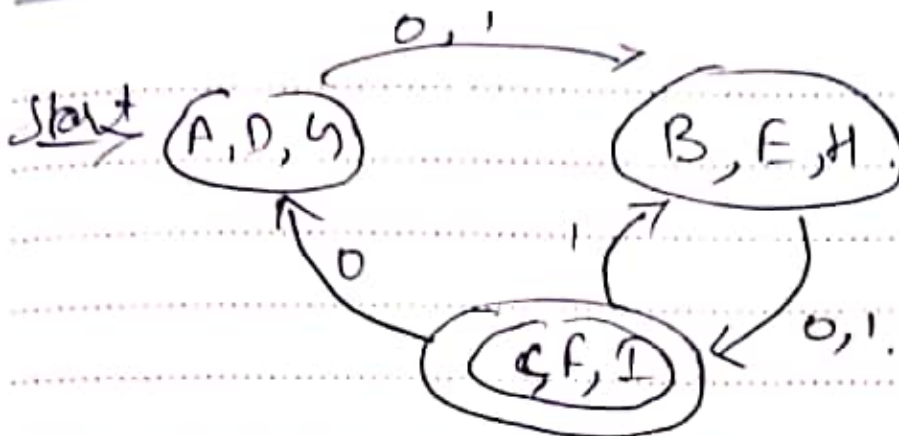
| | | | | |
|---|---|---|----|----|
| | 0 | 1 | | |
| C | D | H | NF | NF |
| F | G | B | NF | NF |

| | | | | |
|---|---|---|----|----|
| | 0 | 1 | | |
| C | D | H | NF | NF |
| I | A | E | NF | NF |

Sunday 22

Notes:

| | | | | |
|---|---|---|----|----|
| | 0 | 1 | | |
| D | E | H | NF | NF |
| E | F | I | F | F |



Consider the DFA given by the transition table.

| | 0 | 1 |
|-------|-------|-------|
| q_1 | q_2 | q_3 |
| q_2 | q_3 | q_5 |
| q_3 | q_4 | q_3 |
| q_4 | q_3 | q_5 |
| q_5 | q_2 | q_5 |

| | | | | |
|-------|-------|-------|-------|-------|
| q_2 | X | | | |
| q_3 | X | X | | |
| q_4 | X | | X | |
| q_5 | X | X | | X |
| | q_1 | q_2 | q_3 | q_4 |

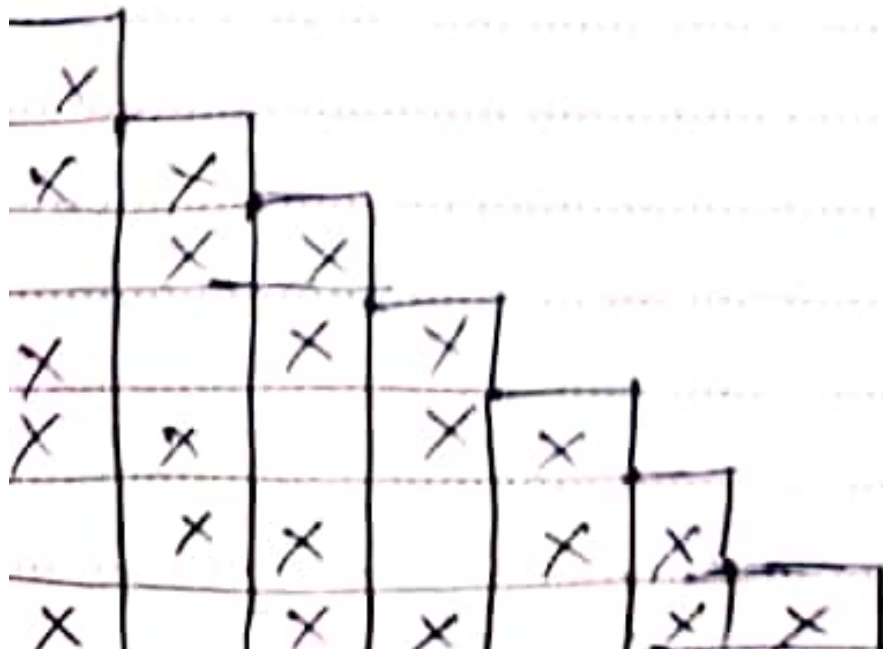
(q_2, q_4)
 (q_3, q_5)

| | 0 | 1 | |
|-------|-------|-------|-----|
| q_2 | q_3 | q_5 | F F |
| q_4 | q_3 | q_5 | F F |

Notes:

the following DFA using table algorithm where A is the start state. The states C, F and I are final states.

| 0 | 1 |
|---|---|
| B | E |
| C | F |
| D | H |
| E | H |
| F | I |
| G | B |
| H | B |
| I | C |
| A | E |



Step 1 - cross combination of final and non-final states.

comb of A & B.

| | | | |
|---|---|---|----------|
| | 0 | 1 | |
| A | B | E | (NF, NF) |
| B | C | F | (F, F) |

A & D

| | | | |
|----------------|---|---|----------|
| | 0 | 1 | |
| A | B | E | (NF, NF) |
| B D | E | H | (NF, NF) |

A & E

| | | | |
|----------------|---|---|----------|
| | 0 | 1 | |
| A | B | E | (NF, NF) |
| B E | H | B | (F, F) |

A & H

| | | | |
|---|---|---|----------|
| | 0 | 1 | |
| A | B | E | (NF, NF) |
| H | I | C | (F, F) |

| | | | |
|---|---|---|----|
| | 0 | 1 | |
| B | C | F | F |
| D | E | H | NF |
| | | | F |
| | | | NF |

Notes:

January '17

| | | | | | |
|-----|----|---|----|----|----|
| Mon | 30 | 2 | 9 | 16 | 23 |
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