

Start State:

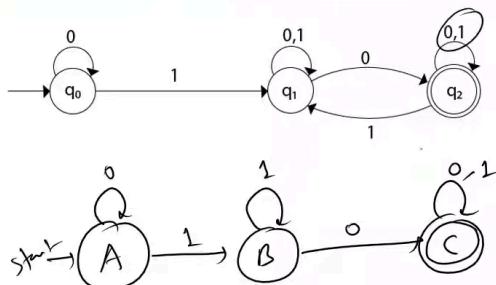
$$\{q_0\} = A$$

$$\text{move}(A, 0) = \{q_0\} = A$$

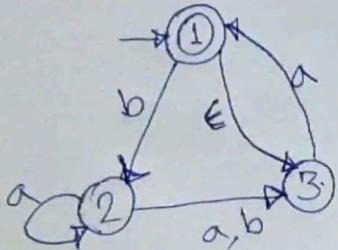
$$\text{move}(A, 1) = \{q_1\} = B$$

$$\text{move}(B, 0) = \{q_1, q_2\} = C$$

$$\text{move}(B, 1) = \{q_1\} = B$$



## NFA to DFA



Start State:

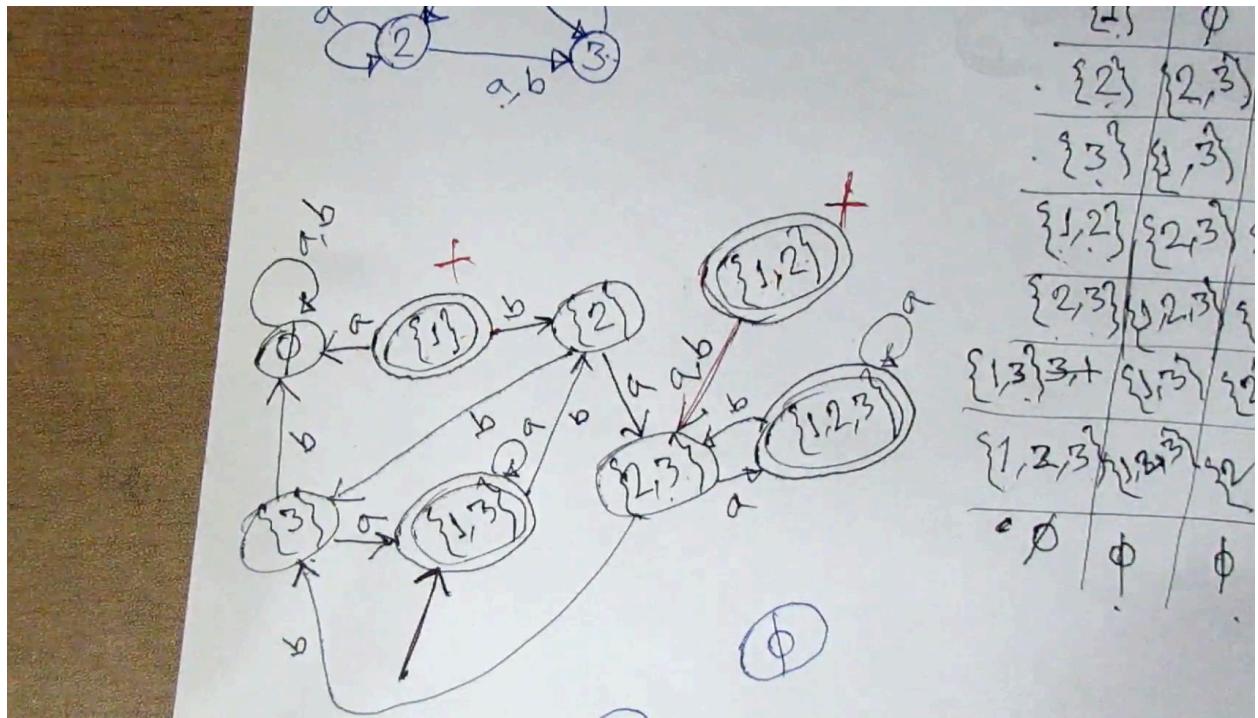
$$\{q_0\} = A \quad C = \{q_1, q_2\}$$

$$\text{move}(C, 0) = \{q_1, q_2\} = C$$

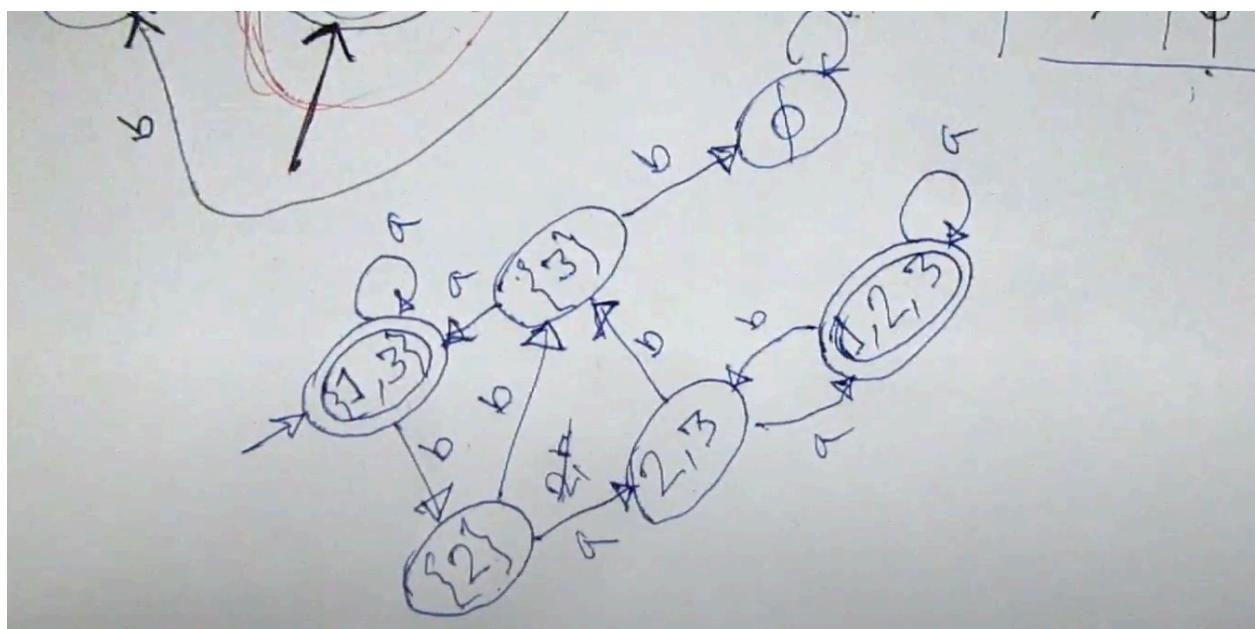
$$\text{move}(C, 1) = \{q_1, q_2\} = C$$

~~3 = 0~~

a.	b
$\{1\}$	$\emptyset$
$\{2\}$	$\{2\}$
$\{3\}$	$\emptyset$
$\{1, 2\}$	$\{2, 3\}$
$\{2, 3\}$	$\{3\}$
$\{1, 3\}$	$\{1, 3\}$
$\{1, 2, 3\}$	$\{2, 3\}$
$\emptyset$	$\emptyset$



$\Sigma$	$\emptyset$
$\{2\}$	$\{2, 3\}$
$\{3\}$	$\{1, 3\}$
$\{1, 2\}$	$\{2, 3\}$
$\{2, 3\}$	$\{2, 3\}$
$\{1, 3\}$	$\{1, 3\}$
$\{1, 2, 3\}$	$\{1, 2, 3\}$
$\emptyset$	$\emptyset$



NFA to DFA Conversion Example 2 | Lecture 27 | Theory of computation Bangla Tutorial

