

AUTOMATA: NFA que se mueve en un tablero
de ajedrez 3x3

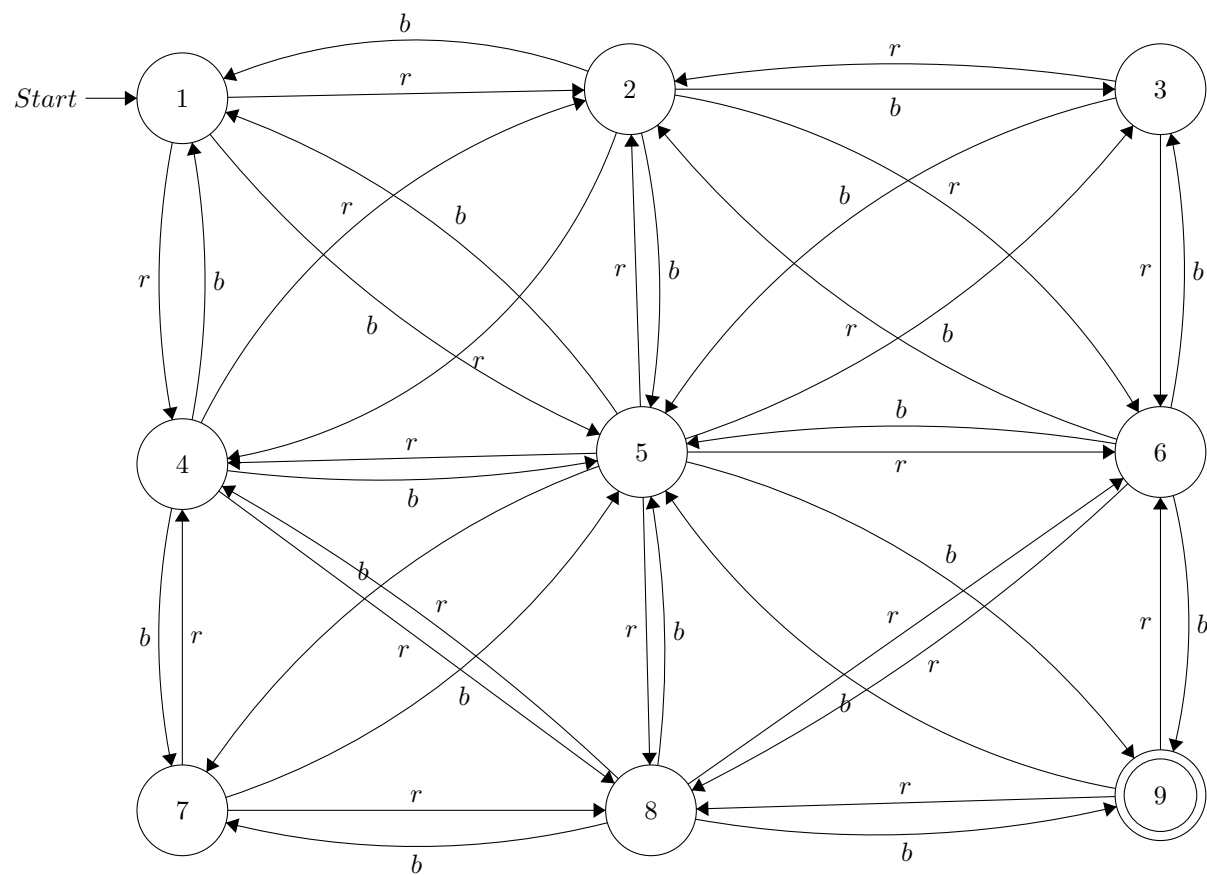
ALUMNO: BASTIDA PRADO JAIME ARMANDO

PROFESOR: JUÁREZ MARTÍNEZ GENARO

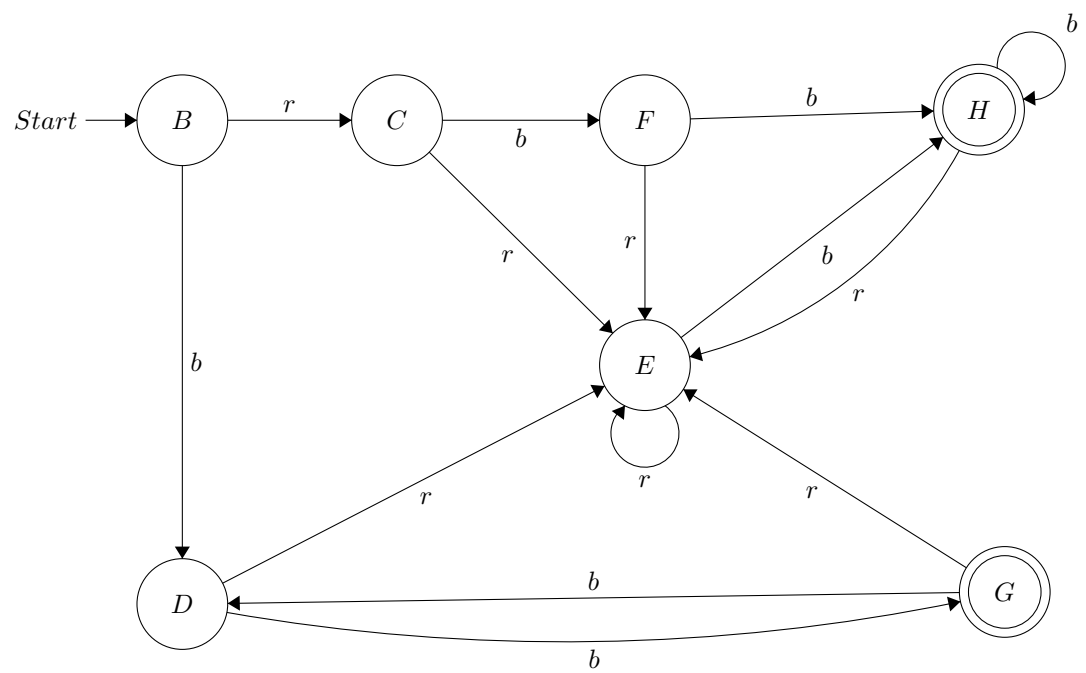
GRUPO: 2CM5

Octubre 2017

1 Grafo NFA



2 Grafo DFA



3 Tabla de transición DFA

	r	b
θ	θ	θ
$\Rightarrow \{1\}$	$\{2, 4\}$	$\{5\}$
$\{2, 4\}$	$\{2, 4, 6, 8\}$	$\{1, 3, 5, 7\}$
$\{5\}$	$\{2, 4, 6, 8\}$	$\{1, 3, 7, 9\}$
$\{2, 4, 6, 8\}$	$\{2, 4, 6, 8\}$	$\{1, 3, 5, 7, 9\}$
$\{1, 3, 5, 7\}$	$\{2, 4, 6, 8\}$	$\{1, 3, 5, 7, 9\}$
$*\{1, 3, 7, 9\}$	$\{2, 4, 6, 8\}$	$\{5\}$
$*\{1, 3, 5, 7, 9\}$	$\{2, 4, 6, 8\}$	$\{1, 3, 5, 7, 9\}$

Table 1: Tabla de transición DFA

Donde:

$A = \theta$

$B = \{1\}$

$C = \{2, 4\}$

$D = \{5\}$

$E = \{2, 4, 6, 8\}$

$F = \{1, 3, 5, 7\}$

$G = \{1, 3, 7, 9\}$

$H = \{1, 3, 5, 7, 9\}$