ϵ - NFA

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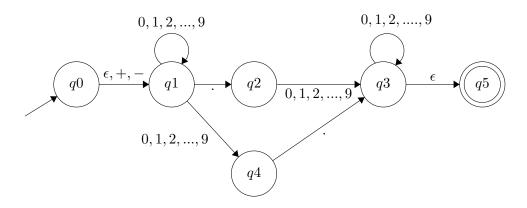


Figura 1: ϵ -NFA que acepta números decimales

$$E(q0) = \{q0, q1\}$$

 $E(q3) = \{q3, q5\}$

	ϵ	+,-	•	0,1,2,,9
$\rightarrow \{q0,q1\}$	$\{q0, q1\}$	$\{q1\}$	$\{q2\}$	$\{q1,q4\}$
$\{q1\}$	$\{q1\}$	{Ø}	$\{q2\}$	$\{q1,q4\}$
$\{q2\}$	$\{q2\}$	{Ø}	$\{\emptyset\}$	$\{q3,q5\}$
$\{q1,q4\}$	$\{q1,q4\}$	{Ø}	$\{q2, q3, q5\}$	$\{q1,q4\}$
$*{q3, q5}$	$\{q3,q5\}$	{Ø}	{∅}	$\{q3,q5\}$
$*{q2, q3, q5}$	$\{q2, q3, q5\}$	{∅}	{∅}	$\{q3, q5\}$

Tabla 1: Tabla de transiciones de la Figura 1

	ϵ	+,-		0,1,2,,9
$\rightarrow A$	A	В	С	D
В	В	Ø	С	D
С	С	Ø	Ø	E
D	D	Ø	F	D
*E *F	E	Ø	Ø	Е
*F	F	Ø	Ø	Е

Tabla 2: Tabla de transiciones que elimina las transiciones ϵ de la Tabla 1

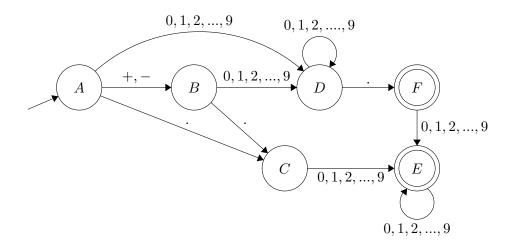


Figura 1: DFA que acepta números decimales