

Ejercicios de simulacion de FAs

```
***** EJERCICIO 1 (a|b)*.(b|a)*.a.b.b *****
----- THOMPSON SIMULATION-----
Acepta bbabb ? false

Acepta babb ? false

Acepta aaaaaaaaaabbbbbbabababababababababababababbb ? false

Acepta abb ? false

----- DFA SUBSET ALGORITHM AND SIMULATION-----
Acepta bbabb ? false

Acepta babb ? false

Acepta aaaaaaaaaabbbbbbabababababababababababababbb ? false

Acepta abb ? false

----- DFA DIRECT CONVERSION ALGORITHM AND SIMULATION-----
Acepta bbabb ? true

Acepta babb ? true

Acepta aaaaaaaaaabbbbbbabababababababababababababbb ? false

Acepta abb ? true
```

```
***** EJERCICIO 2 ((?|a).b*)* *****
```

```
----- THOMPSON SIMULATION-----
```

```
Acepta ? false
```

```
Acepta a ? false
```

```
Acepta aba ? false
```

```
Acepta abba ? false
```

```
----- DFA SUBSET ALGORITHM AND SIMULATION-----
```

```
Acepta ? false
```

```
Acepta a ? false
```

```
Acepta aba ? false
```

```
Acepta abba ? false
```

```
----- DFA DIRECT CONVERSION ALGORITHM AND SIMULATION-----
```

```
Acepta ? false
```

```
Acepta a ? true
```

```
Acepta aba ? true
```

```
Acepta abba ? true
```

```
***** EJERCICIO 3 (.|;)*-/.(.|;)* *****
```

```
----- THOMPSON SIMULATION-----
```

```
ERROR EN LA GENERACION
```

```
***** EJERCICIO 4 (x|t).+((a|m).?).+ *****
```

```
----- THOMPSON SIMULATION-----
```

```
Acepta x ? false
```

```
Acepta txm ? false
```

```
Acepta ma ? false
```

```
Acepta a ? false
```

```
----- DFA SUBSET ALGORITHM AND SIMULATION-----
```

```
Acepta x ? false
```

```
Acepta txm ? false
```

```
Acepta ma ? false
```

```
Acepta a ? false
```

```
----- DFA DIRECT CONVERSION ALGORITHM AND SIMULATION-----
```

```
ERROR EN LA GENERACION
```

```
***** EJERCICIO 5 ('.(;(.|;)+)*')*****
----- THOMPSON SIMULATION-----
ERROR EN LA GENERACION
```