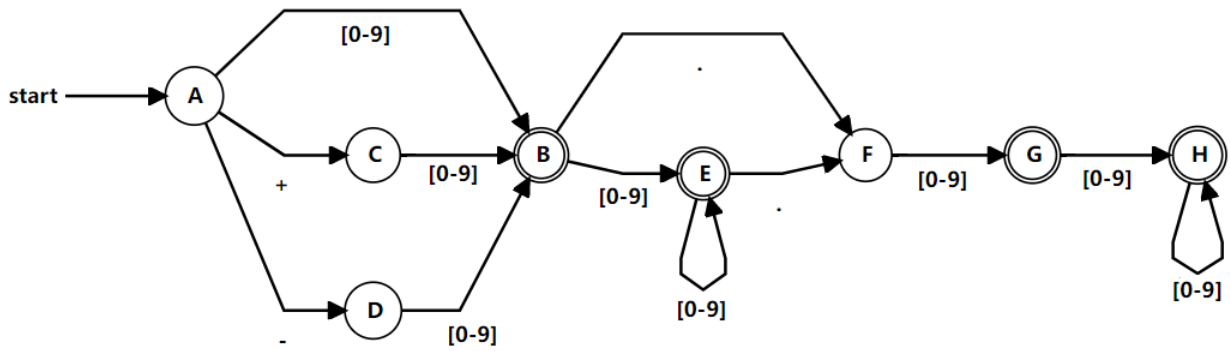# COMPLIER'S DESIGN

Milestone 1

Group members:
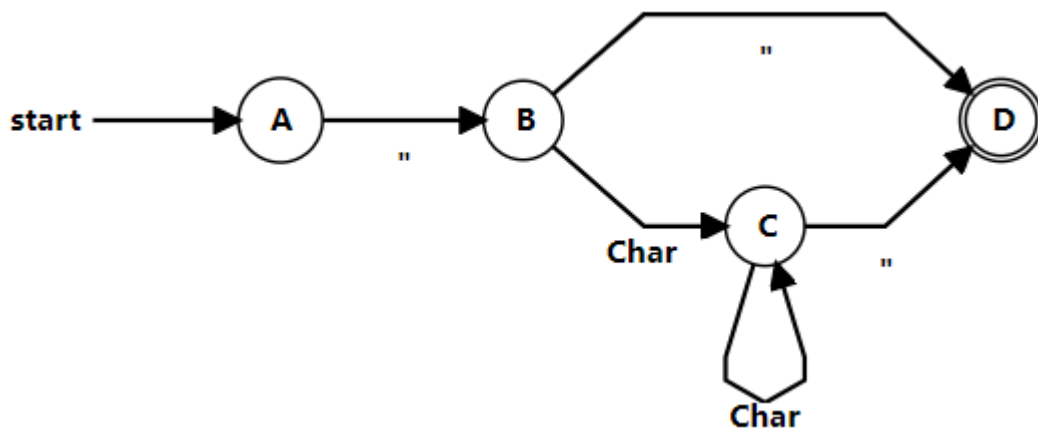- Abdallah Hesham – 179674
- Mirna Victor – 190860
- Mostafa Mahfouz – 182004
- Hossam Hassan - 180871
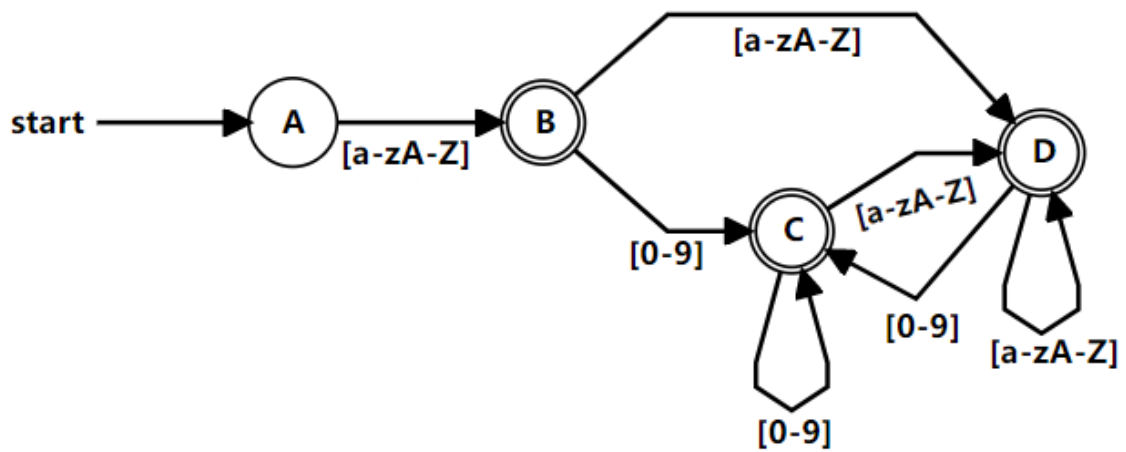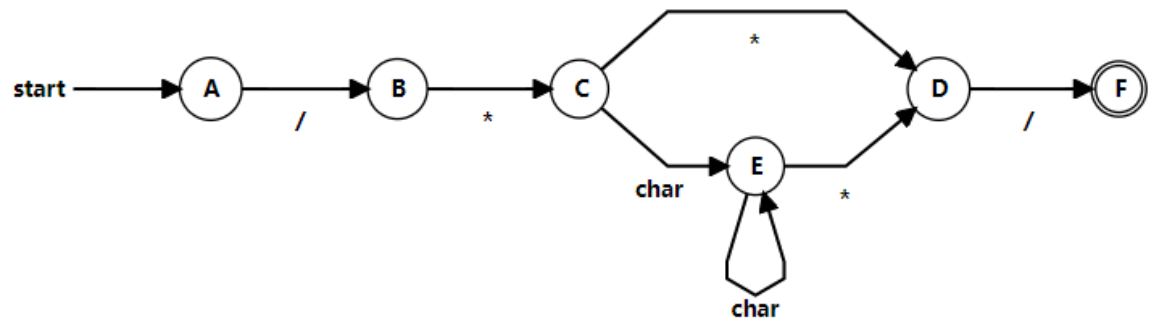
TINY DFAs

1 - Number:

start → (A)

A →[0-9]→ (B)

A → (C) →[0-9]→ (B) +

A → (D) →[0-9]→ (B) -

(B) → (E) [0-9]

(E) loop [0-9]

(E) →.→ (F)

(B) →.→ (F)

(F) →[0-9]→ (G) →[0-9]→ ((H))

((H)) loop [0-9]

2) String:

start → (A) →"→ (B)

(B) →"→ ((D))

(B) →Char→ (C)

(C) loop Char

(C) →"→ ((D))

3) Identifiers:

start → (A) →[a-zA-Z]→ ((B))

((B)) →[a-zA-Z]→ ((D))

((B)) →[0-9]→ ((C))

((C)) loop [0-9]

((C)) →[a-zA-Z]→ ((D))

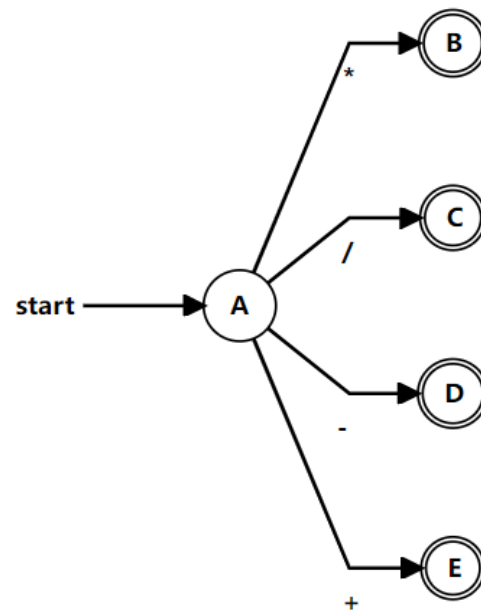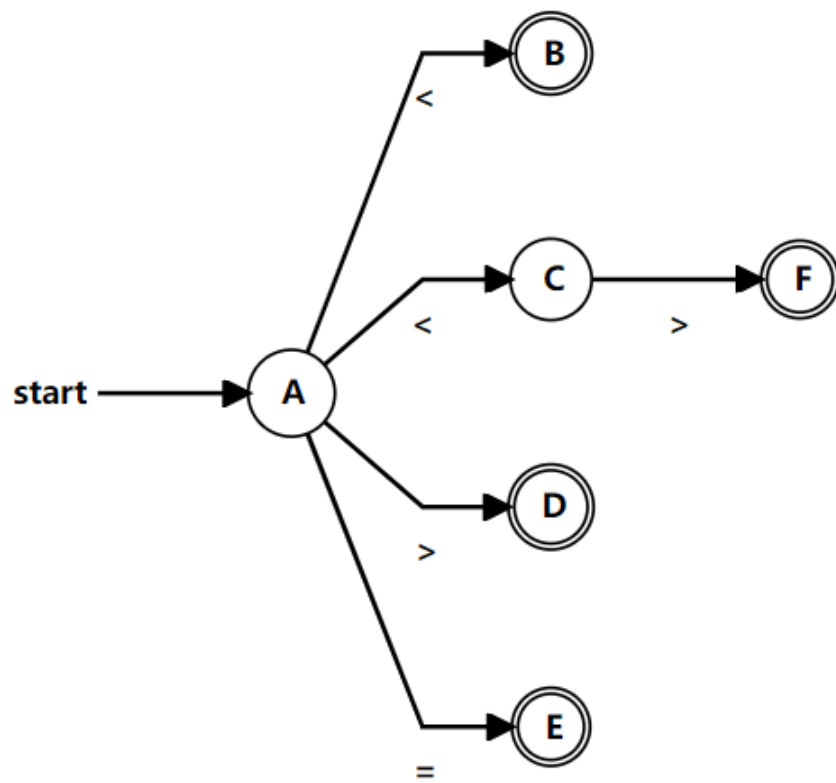((D)) →[0-9]→ ((C))

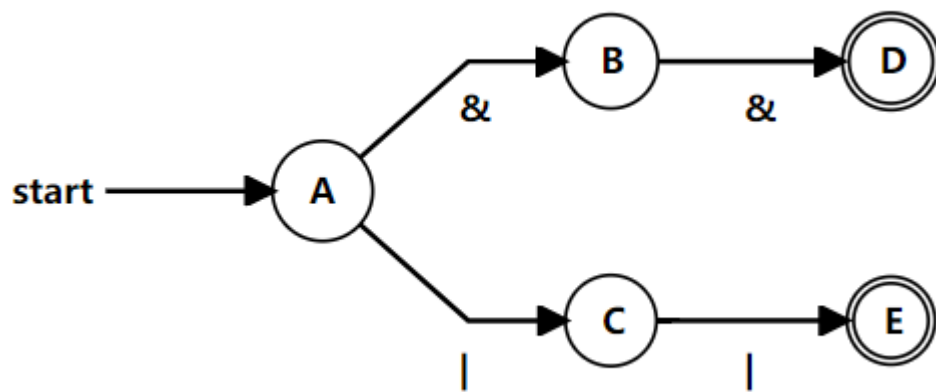((D)) loop [a-zA-Z]

4) Comment statement:

5) Arithmetic Operators:

6) Condition Operators:

7) Boolean Operator

8) Reserved Words