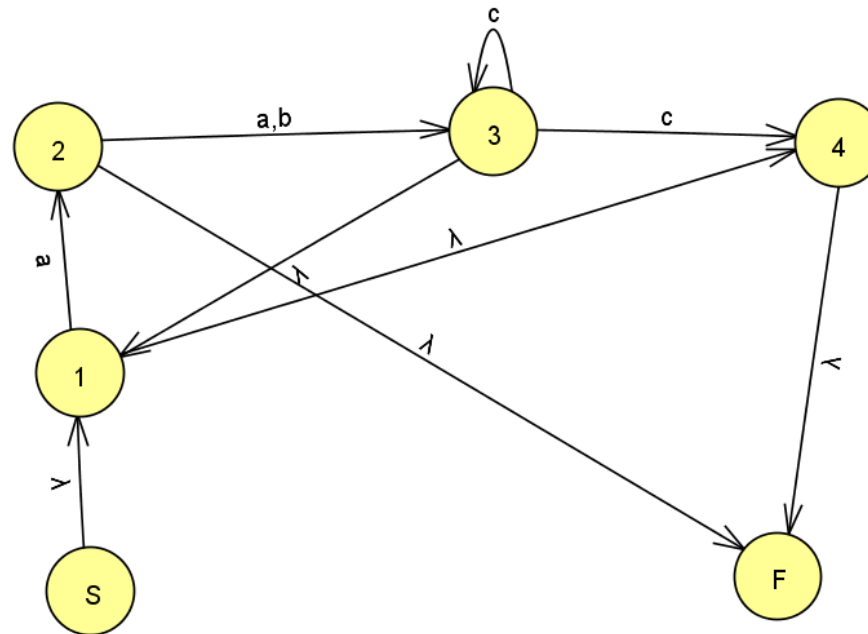# NFA TO REGULAR EXPRESSION
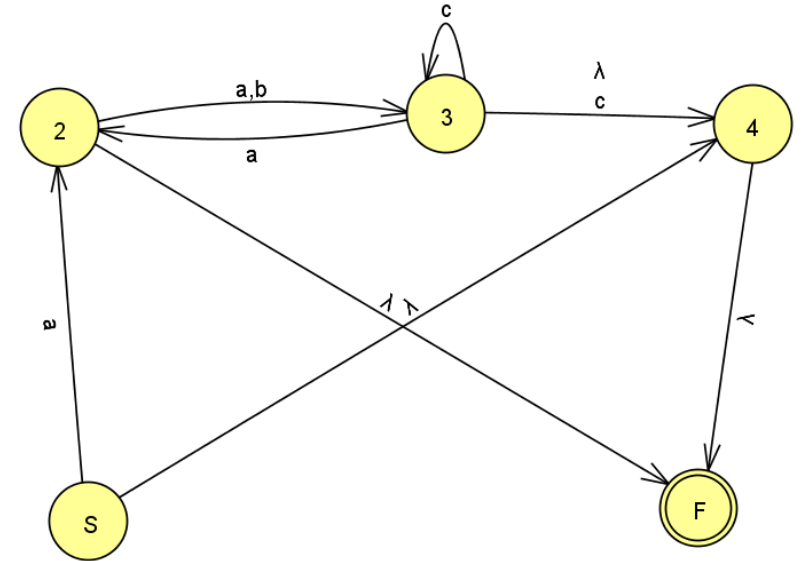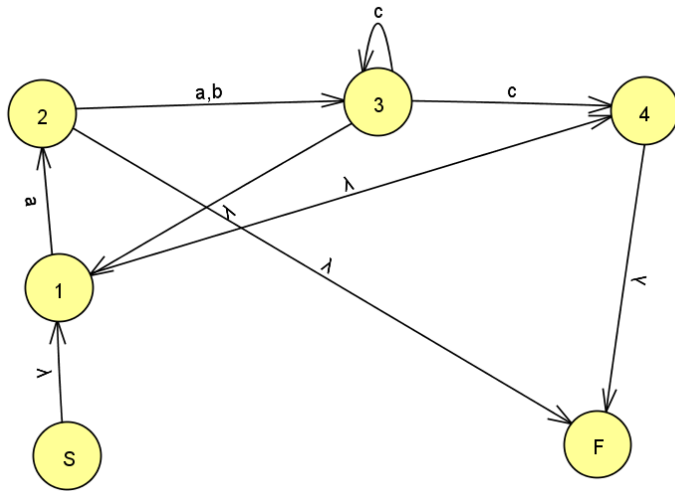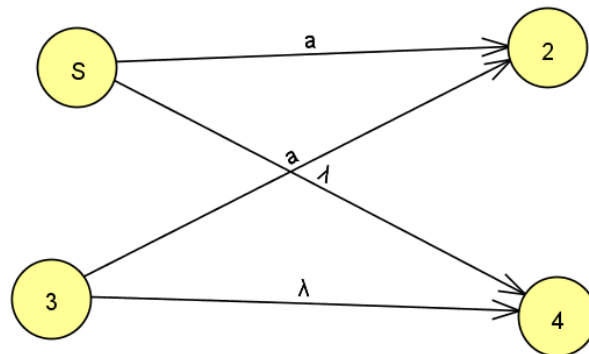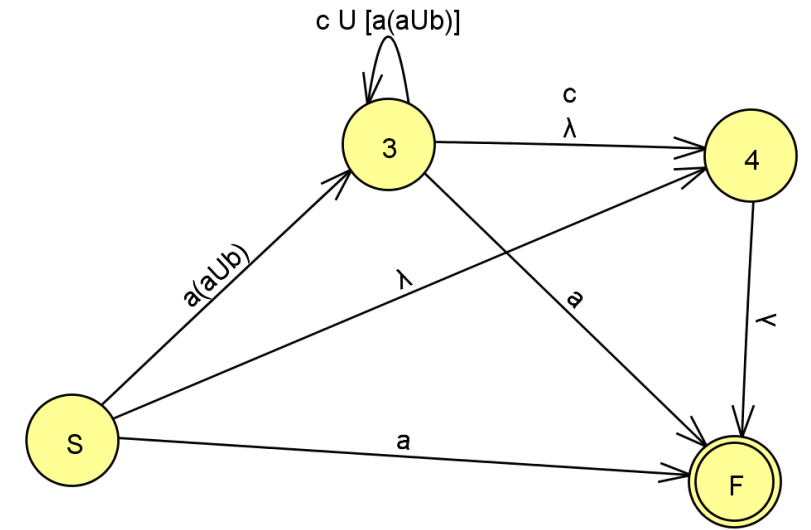
Example

EXAMPLE

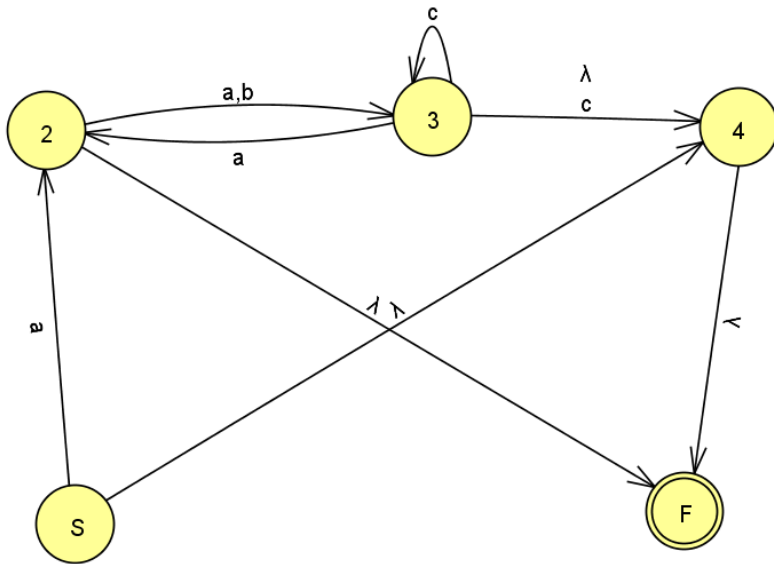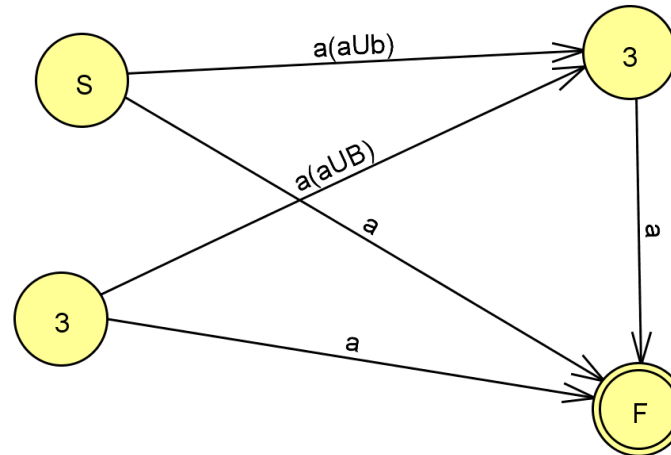Convert the following NFA to a Regular expression
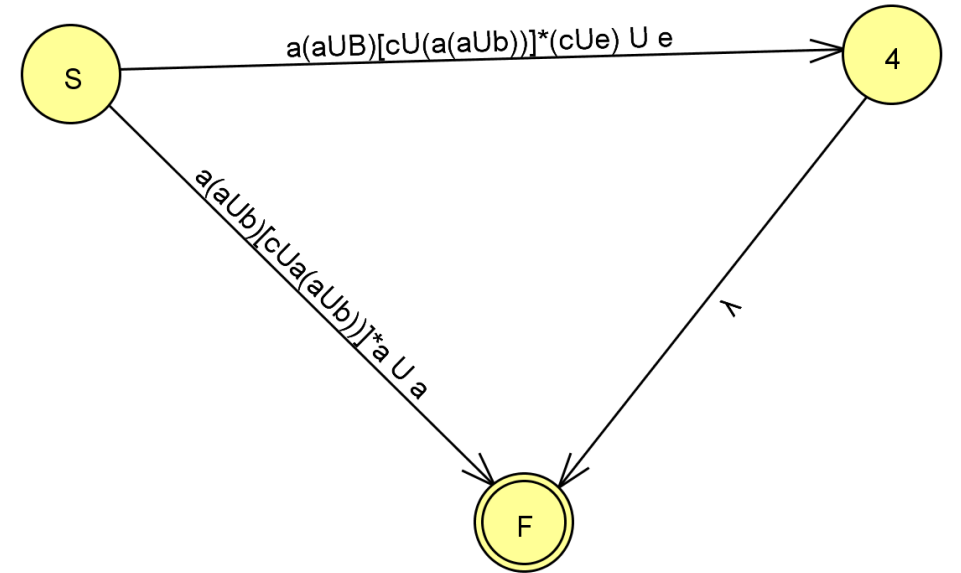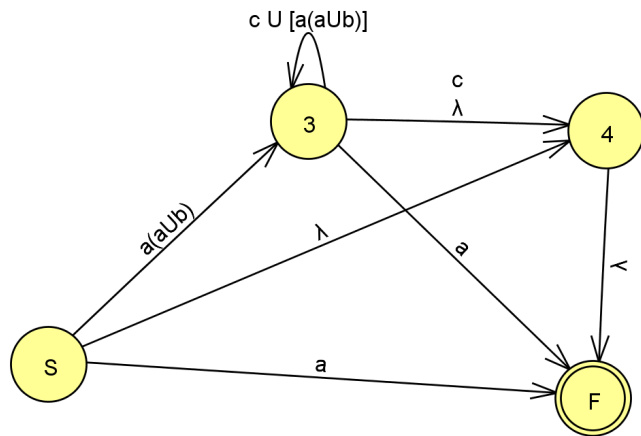
STEP 1

New Links after removing Q1

STEP 2

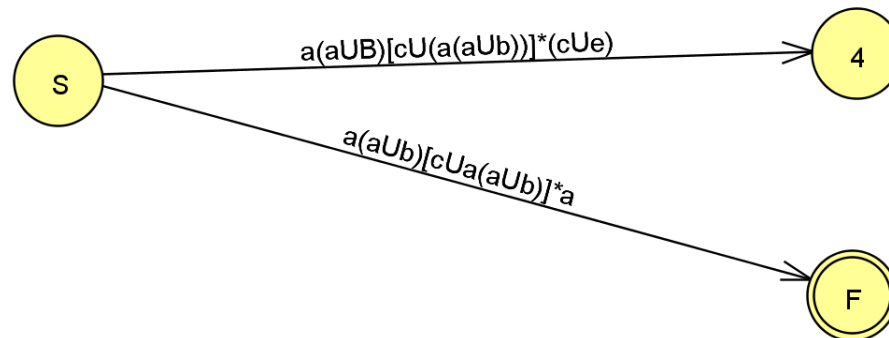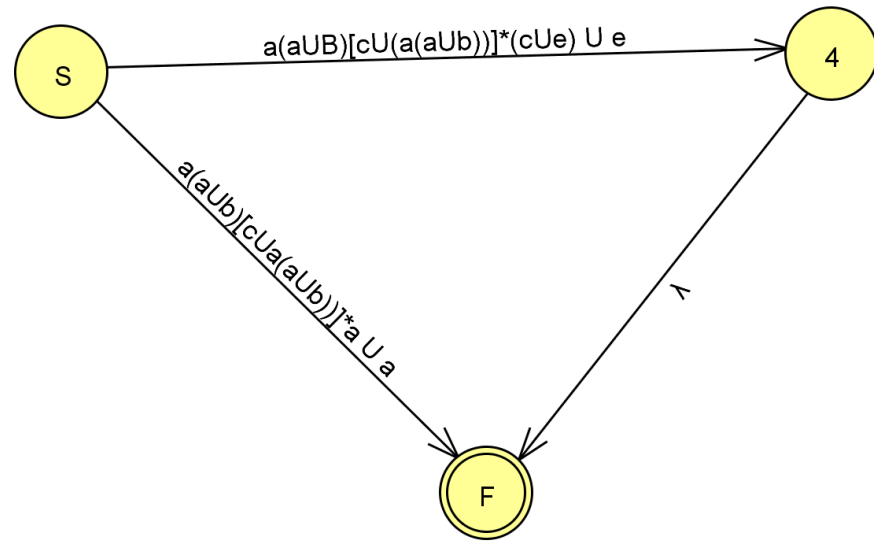

New Links after removing Q2

STEP3

New Links after removing Q3

STEP 4

S →[a(aUB)[cU(a(aUb))]*(cUe) U e]→ 4

S →[a(aUb)[cUa(aUb))]*a U a]→ F

4 →[^]→ F

Remove Q4 and merge

S →[a(aUb)[cUa(aUb))]*a U e U a U a(aUB)[cU(a(aUb))]*(cUe)]→ F