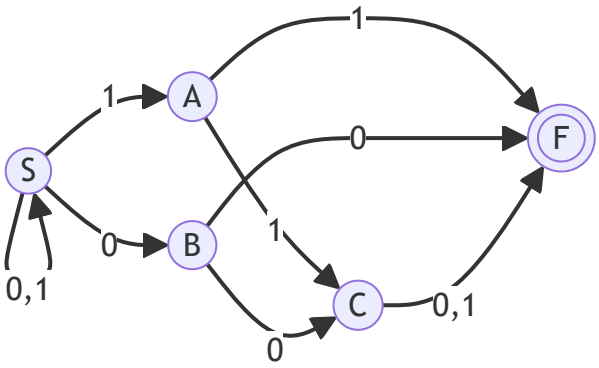
画出NFA



子集构造法DFA

状态转换矩阵

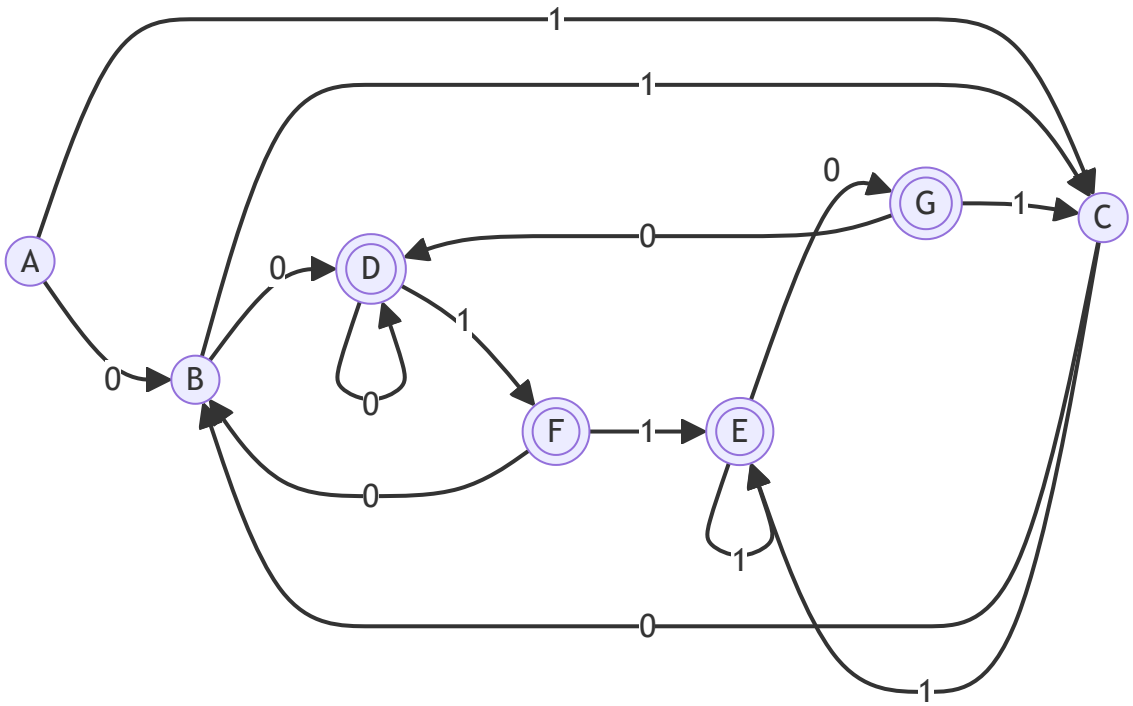
I	I_0	I_1
$\{S\}$	$\{S,B\}$	$\{S,A\}$
$\{S,B\}$	$\{S,B,C,F\}$	$\{S,A\}$
$\{S,A\}$	$\{S,B\}$	$\{S,A,C,F\}$
$\{S,B,C,F\}$	$\{S,B,C,F\}$	$\{S,A,F\}$
$\{S,A,C,F\}$	$\{S,B,F\}$	$\{S,A,C,F\}$
$\{S,A,F\}$	$\{S,B\}$	$\{S,A,C,F\}$
$\{S,B,F\}$	$\{S,B,C,F\}$	$\{S,A\}$

重新编号

I	I_0	I_1
A	B	C
B	D	C
C	B	E

I	I_0	I_1
D	D	F
E	G	E
F	B	E
G	D	C

DFA



得到左线性正规式

$$F \to D1$$

$$G \to E0$$

$$D \to B0|D0|G0$$

$$E \to C1|E1|F1$$

$$B \to A0|C0|F0$$

$$C \to A1|B1|G1$$