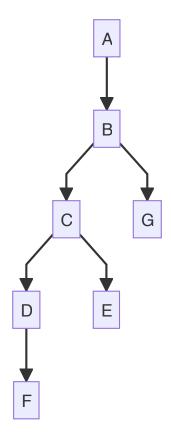
1 Problem 1

1.1 (a)



1.2 (b)

Dominate Frontier:

- ullet $A:\emptyset$
- $\bullet \quad B:\{B\}$
- $\bullet \quad C:\{B,G\}$
- $D:\{B\}$
- $\bullet \quad E:\{G\}$
- $\bullet \quad F:\{B\}$
- $\bullet \quad G:\emptyset$

1.3 (c)

1.3.1 p

$$S \leftarrow defof(p) = \{F\}$$

$$DF^0(S)=\emptyset$$

$$DF^{1}(S) = DF(\{F\}) = \{B\}$$

$$DF^2(S) = \{B\}$$

在B节点需要插入p的phi指令

1.3.2 q

$$S \leftarrow defof(p) = \{D\}$$

$$DF^0(S)=\emptyset$$

$$DF^1(S) = \{B\}$$

$$DF^2(S)=\{B\}$$

在B节点需要插入p的phi指令

