

$$S = \{B\} \rightarrow \{CD\}$$

$$\text{MIN-GAP} = 1$$

$$1) \begin{matrix} \{A, B, F\} & \{C\} & \{C, D, F\} & \{E\} & \{C, D\} \\ t_0 & t_1 & t_2 & t_3 & t_4 \end{matrix}$$

No constraints

$$\begin{matrix} \langle t_0, t_2 \rangle \\ \langle t_0, t_4 \rangle \end{matrix}$$

$$\text{min-gap} = 1$$

$$\begin{matrix} \langle t_0, t_2 \rangle \\ \langle t_0, t_4 \rangle \end{matrix}$$

$$2) \begin{matrix} \{A, B\} & \{C\} & \{A, B\} & \{C, D\} \\ t_0 & t_1 & t_2 & t_3 \end{matrix}$$

NoC

$$\begin{matrix} \langle t_0, t_3 \rangle \\ \langle t_2, t_3 \rangle \end{matrix}$$

$$\text{min-gap} = 1$$

$$\langle t_0, t_3 \rangle$$

$$3) \{A, F\} \{B, C\} \{A, B\} \{E\} \{D\}$$

NoC

NONE

NONE

$$4) \begin{matrix} \{A, B, F\} & \{A, C\} & \{A, B, D\} & \{C\} & \{C, D\} \\ t_0 & t_1 & t_2 & t_3 & t_4 \end{matrix}$$

$$\{A\} \rightarrow \{C, D\}, \quad \{A\} \rightarrow \{D\}$$

NOCONS:

$$\begin{matrix} \langle t_0, t_4 \rangle \\ \langle t_1, t_4 \rangle \\ \langle t_2, t_4 \rangle \end{matrix}$$

$$\begin{matrix} \langle t_0, t_4 \rangle & \langle t_1, t_2 \rangle \\ \langle t_1, t_4 \rangle \\ \langle t_2, t_4 \rangle \\ \langle t_0, t_2 \rangle \end{matrix}$$