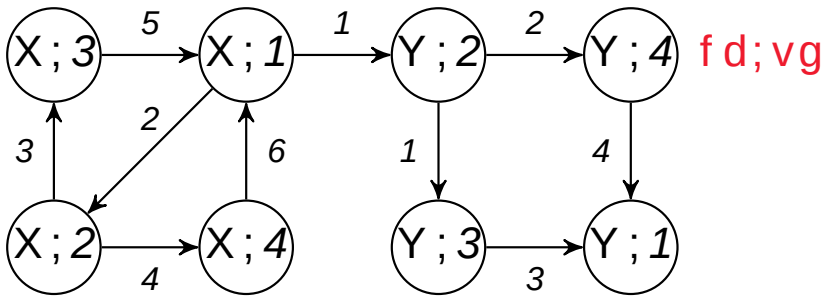
Marking live variables
Example

$$
\begin{aligned}
&X(s{:}\ N; d{:}\ D) = \\
&\quad (8e{:}\ D{:} s = 1 \ \Rightarrow\ Y(2; e; e)) \wedge (8e{:}\ D{:} s = 1 \ \Rightarrow\ X(2; e)) \\
&\quad \wedge (s = 2 \ \Rightarrow\ X(3; d)) \wedge (s = 2 \ \Rightarrow\ X(4; d)) \\
&\quad \wedge (s = 3 \ \Rightarrow\ X(1; d)) \wedge (s = 4 \ \Rightarrow\ X(1; d_1)) \\
&Y(s{:}\ N; d; v{:}\ D) = \\
&\quad (s = 4 \ \Rightarrow\ d = v) \wedge (s = 2 \ \Rightarrow\ Y(3; d; v)) \\
&\quad \wedge (s = 2 \ \Rightarrow\ Y(4; d; v)) \wedge (s = 3 \ \Rightarrow\ Y(1; d; v)) \\
&\quad \wedge (s = 4 \ \Rightarrow\ Y(1; d_1; v)) \\
&\text{init } X(1; d_1);
\end{aligned}
$$