

[9-3] 2. ① r. 可能受左边所有属性影响. s, g, u, t, p

p. 可能受 s, g, u, t 影响.

② r: s g p u t

p: s

③ r s g u

p s g u r t

3. ① $\langle S \rangle \uparrow s_1 \downarrow I_2 \rightarrow \langle A \rangle \uparrow s_2 \langle B \rangle \uparrow s_3 \downarrow I_1 @f_1 \uparrow x, y \downarrow z, w$

$\langle C \rangle \uparrow s_4 \downarrow I_3 @f_2 \uparrow z, w, f \downarrow D, G \langle D \rangle \uparrow s_5 \downarrow I_4$

$x := s_2, y := I_1, z = x * y, w := y^2, I_2 := z, I_3 := w.$

$D := z * w, f := s_2, G = f^2, s_1 := G$

② $\langle S \rangle \uparrow s_1 \downarrow I_1 \rightarrow @f \downarrow A \uparrow B$

$A := I_1, B := \sin(A), s_1 := B$

③ $\langle S \rangle \uparrow s_1, s_2 \rightarrow \langle A \rangle \uparrow s_3 @f_1 \downarrow x \uparrow y \langle B \rangle \downarrow I_1,$

$@f_2 \downarrow z \uparrow D @JOHN \downarrow I_2, I_3 \langle C \rangle \downarrow I_4 @f_3 \downarrow z \uparrow F$

$x := s_3, y := 3 * x, I_1 := y, z := I_1, D := z^2, I_2 := D, I_3 := I_2, I_4 := I_3$

$z := I_4, F := I_4 + 2, s_1 := F.$