$$E = \{(s_1, v_1), (s_2, v_1), (v_1, t_1), (v_2, t_2) \}$$

$$V^U = \{s_1, s_2, (s_1), (v_1, t_1), (v_2, t_2) \}$$

$$V^P = \{t_1, t_2\}$$

$$V^P = \{t_1, t_2\}$$

$$V^P = \{t_2, t_2\}$$