



TV ($\underline{v}, \underline{p}$)

v	p
v_1	$[t_0, t_4]$
v_2	$[t_1, t_5]$
v_3	$[t_0, t_5]$

TE ($\underline{v_1}, \underline{v_2}, \underline{p}$)

v_1	v_2	p
v_1	v_2	$[t_1, t_3]$
v_2	v_3	$[t_4, t_5]$

TA^V ($\underline{v}, \underline{p}, a: (\text{name}, \text{school})$)

v	p	$a: (\text{name}, \text{school})$
v_1	$[t_0, t_4]$	(Alice, Drexel)
v_2	$[t_1, t_2]$	(Bob, UPenn)
v_2	$[t_2, t_5]$	(Bob, CMU)
v_3	$[t_0, t_5]$	(Cathy, Drexel)

TA^E ($\underline{v_1}, \underline{v_2}, \underline{p}, a: (\text{score})$)

v_1	v_2	p	$a: (\text{score})$
v_1	v_2	$[t_1, t_3]$	(3)
v_2	v_3	$[t_4, t_5]$	(4)