



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

| $v$   | $p$           |
|-------|---------------|
| $v_1$ | [1/15, 7/15)  |
| $v_2$ | [2/15, 10/15) |
| $v_3$ | [1/15, 10/15) |

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

| $v_1$ | $v_2$ | $p$           |
|-------|-------|---------------|
| $v_1$ | $v_2$ | [2/15, 6/15)  |
| $v_2$ | $v_3$ | [7/15, 10/15) |

TA<sup>V</sup> ( $\underline{v}$ ,  $\underline{p}$ ,  $a$ : (name, school))

| $v$   | $p$           | $a$             |
|-------|---------------|-----------------|
| $v_1$ | [1/15, 7/15)  | (Alice, Drexel) |
| $v_2$ | [2/15, 5/15)  | (Bob, UPenn)    |
| $v_2$ | [5/15, 10/15) | (Bob, CMU)      |
| $v_3$ | [1/15, 10/15) | (Cathy, Drexel) |

TA<sup>E</sup> ( $\underline{v_1}$ ,  $\underline{v_2}$ ,  $\underline{p}$ ,  $a$ : (score))

| $v_1$ | $v_2$ | $p$           | $a$ |
|-------|-------|---------------|-----|
| $v_1$ | $v_2$ | [2/15, 6/15)  | (3) |
| $v_2$ | $v_3$ | [7/15, 10/15) | (4) |