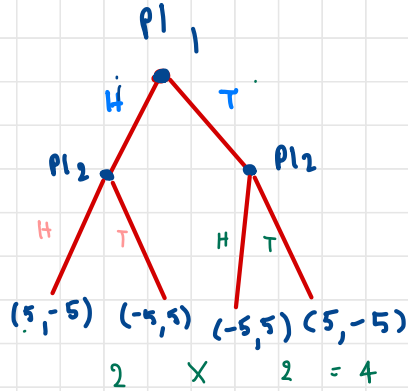


Extensive form game



$$S_1^{P1} = \{H \text{ if } p1 \text{ plays } H, H \text{ if } p1 \text{ plays } T\} = \{H, H\}$$

$$S_2^{P1} = \{H \text{ —————, T —————}\}$$

$$S_3^{P2} = \{T \text{ —————, H —————}\}$$

$$S_4^{P2} = \{T \text{ —————, T —————}\}$$

unmatch the coin
play the opposite of player 1, Player 2 receive 5

Normal form

| | | P1 2 | | | |
|------|---|-------|-------|-------|-------|
| | | s_1 | s_2 | s_3 | s_4 |
| P1 1 | H | -5 | -5 | 5 | 5 |
| | T | 5 | 5 | -5 | -5 |
| | | H | T | H | T |
| | | 5 | -5 | 5 | -5 |
| | | -5 | 5 | -5 | 5 |