Scenario: It is Friday, May 30, 2014 and you are returning for the second day of the World Series of Poker (WSOP) Event #3 $1000 No-Limit Hold’em. There are 186 of 2,224 players remaining and you have 63,500 chips, making you 26th of 186 overall at the start of Day 2. You are entering a new table and have no reads. You are already in the money, but the differences between payoffs are immaterial to you until the final table (so act in a way that maximizes expected chips for that hand).

The table is 8-handed as follows. Blinds are 600/1200 with 200 antes. You are on the button and will be in that position for all questions, although chip amounts will vary slightly as the day progresses.

<table>
<thead>
<tr>
<th>Seat</th>
<th>Name</th>
<th>Chip Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SB</td>
<td>22,800</td>
</tr>
<tr>
<td>2</td>
<td>[Empty]</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>BB</td>
<td>17,900</td>
</tr>
<tr>
<td>4</td>
<td>UTG</td>
<td>32,400</td>
</tr>
<tr>
<td>5</td>
<td>UTG+1</td>
<td>25,800</td>
</tr>
<tr>
<td>6</td>
<td>MP1</td>
<td>10,000</td>
</tr>
<tr>
<td>7</td>
<td>MP2</td>
<td>29,100</td>
</tr>
<tr>
<td>8</td>
<td>CO</td>
<td>77,100</td>
</tr>
<tr>
<td>9</td>
<td>Hero</td>
<td>63,500</td>
</tr>
</tbody>
</table>
Hand 1:  

UTG+1: 25,800 \( M = 7.59 \)

MP1: 10,000 \( M = 2.94 \)

Hero (BTN): 63,500 \( M = 18.68 \)

Pre Flop: (3,400) Hero is BTN with A♣ 9♥  
1 fold, UTG+1 raises to 3,600, 1 fold, MP2 calls 3,600, 1 fold, Hero calls 3,600, 2 folds

Flop: (14,200) 2♣ T♣ K♣ (3 players)  
UTG+1 bets 3,000, MP2 folds, Hero…

Question 1:

Assumptions: UTG+1 will bet again on the turn, except if it’s a club, in which case he will check/fold to any bet.

What hand is the Hero drawing to? (1.1)

How likely is he to hit his draw on the next card, or the next two cards? (1.2)

What percentage of the pot is the Hero contributing to see another card? (1.3)

Should the Hero make this call? Approximately what is the EV of this call? (1.4)
What is the largest bet that the Hero can profitably call? (1.5)

Hand 1 (continued):

UTG+1: 25,800  M = 7.59
MP1: 10,000  M = 2.94
Hero (BTN): 63,500  M = 18.68

Pre Flop: (3,400) Hero is BTN with A♣ 9♥
1 fold, UTG+1 raises to 3,600, 1 fold, MP2 calls 3,600, 1 fold, Hero calls 3,600, 2 folds

Flop: (14,200) 2♣ T♣ K♣ (3 players)
UTG+1 bets 3,000, MP2 folds, Hero calls 3,000

Turn: (20,200) 5♦ (2 players)
UTG+1 bets 9,000, Hero…

Question 2:

Assumptions: UTG+1 will bet/call any size bet on the river, regardless of the board.

How likely is the Hero to hit his draw on the river? (2.1)

What percentage of the pot is the Hero contributing to see another card? (2.2)

How much does the Hero have to make on the river to make this a profitable call? Is this realistic? (2.3)
Later in the day, MP1 has been eliminated and has been replaced by a short stack. Your reads are that UTG+1 and BB are aggressive and loose callers. You have identified SB as weak/tight. Chip stacks are as follows.

<table>
<thead>
<tr>
<th>Seat</th>
<th>Name</th>
<th>Chip Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SB</td>
<td>19,500</td>
</tr>
<tr>
<td>2</td>
<td>MP1</td>
<td>4,200</td>
</tr>
<tr>
<td>3</td>
<td>BB</td>
<td>5,500</td>
</tr>
<tr>
<td>4</td>
<td>UTG</td>
<td>38,600</td>
</tr>
<tr>
<td>5</td>
<td>UTG+1</td>
<td>13,200</td>
</tr>
<tr>
<td>6</td>
<td>[Empty]</td>
<td>N/A</td>
</tr>
<tr>
<td>7</td>
<td>MP2</td>
<td>33,100</td>
</tr>
<tr>
<td>8</td>
<td>CO</td>
<td>90,500</td>
</tr>
<tr>
<td>9</td>
<td>Hero</td>
<td>78,200</td>
</tr>
</tbody>
</table>

Hand 2:

Hero (BTN): 78,200 \(M = 23.00\)
SB: 19,500 \(M = 5.74\)

Pre Flop: (3,400) Hero is BTN with 5♥ 6♦
4 folds, Hero raises to 3,600, SB calls 3,000, 1 fold

Flop: (10,000) 4♣ 7♠ K♥ (3 players)
SB checks, Hero bets 6,000, SB…
Question 3:

**Assumptions:** SB will call with a two pair or better. If he calls, he will check the turn on any card.

What is the Hero’s fold equity if the SB folds 70% of the time? (3.1)

What is the Hero’s EV-if-called after this bet? (3.2)

Is the Hero’s bet +EV? (3.3)

What percentage of the time does SB have to fold to make this bet +EV? (3.4)

---

Hand 2 (continued):

Hero (BTN): 78,200  M = 23.00
SB: 19,500  M = 5.74

Pre Flop: (3,400) Hero is BTN with 5♥ 6♦
4 folds, Hero raises to 3,600, SB calls 3,000, 1 fold

Flop: (10,000) 4♣ 7♠ K♥ (3 players)
SB checks, Hero bets 6,000, SB raises to 15,700 all in, Hero…
Question 4:

What hand is the Hero drawing to? (4.1)

How likely is he to hit his draw on the next two cards? (4.2)

What percentage of the pot is the Hero contributing to see another two cards? (4.3)

Should the Hero make this call? Approximately what is the EV of this call? (4.4)

What is the largest raise that the Hero can profitably call? (4.5)