

# Homework Chapter 9

## 1 The call dilemma

Consider the example from the video, but now with actual ranges and pot sizes attached to them. The game is NLHE, 1\$/2\$ blinds, villain and hero both have 100\$ stacks. Opponent opens from the cutoff (top 25% of hands) to 5\$, BTN and SB fold and you defend the BB with  $Q\heartsuit 9\heartsuit$ .

Flop comes:  $8\heartsuit T\heartsuit 2\clubsuit$

So we have quite a strong draw.

Calculate our equity against his range and name our outs against different ranges that beat us (AJ, TPTK, overpair, 2pair, sets).

It's our turn and there are 11\$ in the pot.

Calculate our expected value if we bet 2 times (3 times) the pot if opponent calls us with sets+ (2 pair+, overpair+, TP+, AJ+). Please calculate each of the possibilities also the ones in parenthesis. At what point is it not profitable to jam 2-3x pot anymore?

Imagine opponent "knows what we're doing", he will now always call us with AJ+. How much of a percentage of value hands, i.e. hands with good equity like 2pair+ would we need to add to counter that counter-exploitation?

## 2 On balance

Watch Chapter 1 of terp's video "On Balance". This is the introduction to the concept of balanced strategies. Be very careful with the definitions, though.

Remember that a balanced strategy doesn't need to be an optimal strategy. Your exercise is to note the difference and the similarities between balanced and optimal (GTO) strategies.