

# L10 – Minimax continued

William Mak

January 05 2015

## 1 Which paths to ignore

1. if search depth is small  
not very good
2. if search depth is large  
slow
3. the problem then comes down to how much time and computing power you have
4.  $\alpha/\beta$  pruning
  - (a) start  $\alpha = -\infty, \beta = \infty$
  - (b) P1 updates  $\alpha$  and P2 updates  $\beta$
  - (c) P1 prunes based on  $\beta$  while P2 prunes based on  $\alpha$
  - (d) from  $b \approx \sqrt{b} \approx 2 * depth$  where  $b$  =branching factor