The Deep Learning Revolution
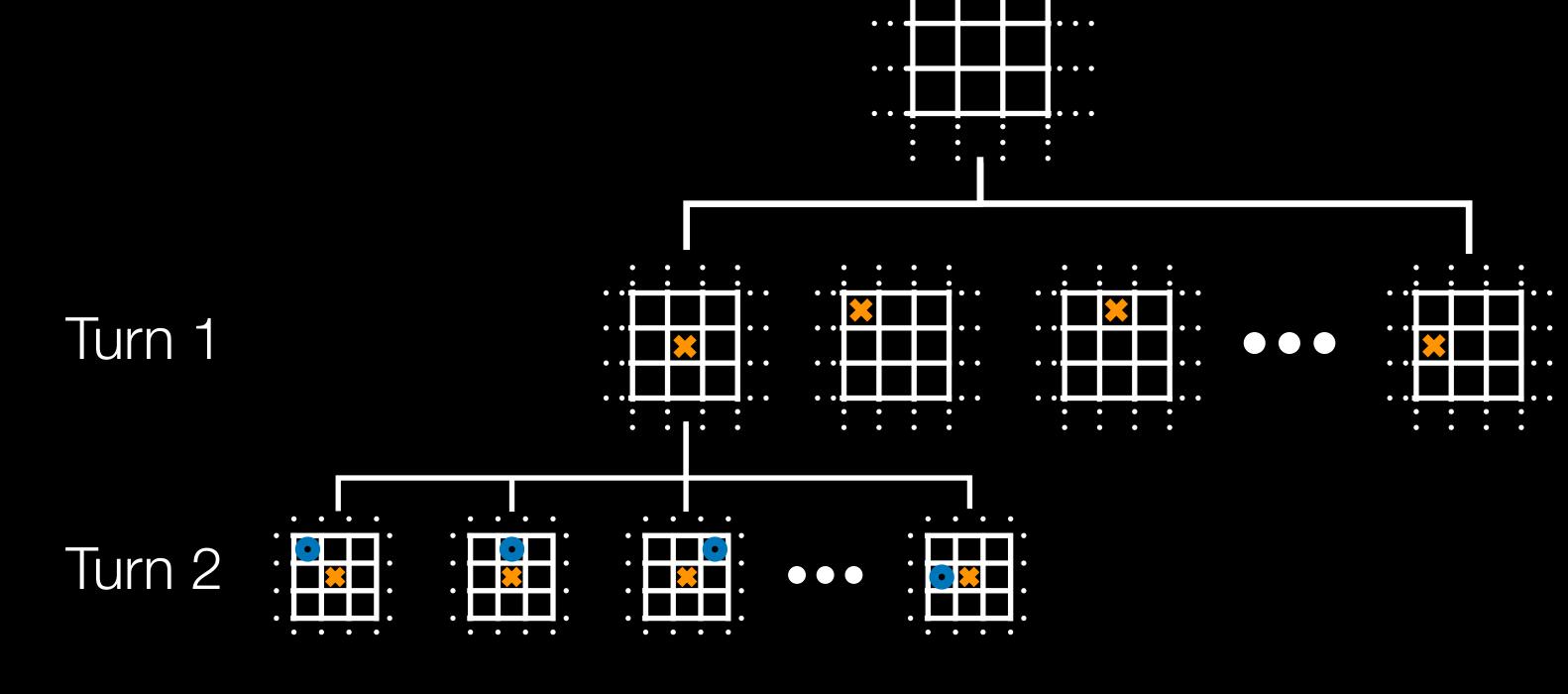
Tic-Tac-Toe

- ca 255,000 legal ways to play this game (i.e. paths through this tree)

- on *average* 4 *legal* moves per turn

- to work out a good strategy expect to work through approximately 4^K sequences of moves

$35^{80} \approx 10^{124}$

$250^{150} \approx 10^{360}$

Turn 1

Turn 2

Turn K