

# Routing Paper

Wyatt Jones

University of Iowa

August 7, 2018

## 1 Introduction

number of elements in go state space is  $2.082 \times 10^{170}$

160x192x128 number of elements for atari console

$\frac{(n-1)!}{2}$  number of possible routes and has continuous state space where each problem is drawn from  $[0, 1]^n$  for tsp 20 there are  $6.08 \times 10^{16}$  possible routes

[Mnih et al. \(2016\)](#)

## References

Mnih, V., Badia, A. P., Mirza, M., Graves, A., Lillicrap, T., Harley, T., ... Kavukcuoglu, K. (2016). Asynchronous methods for deep reinforcement learning. In *International conference on machine learning* (pp. 1928–1937).