To model small to mid-size botnets, we artificially create two more botnets by random sampling Mirai botnets: Mirai-1K and Mirai-5K botnet models have 1K and 5K compromised ASes, respectively.

Path hunting is a well-known problem to BGP, which refers to a phenomenon where the withdrawal of a prefix causes other ASes to keep exploring for a route to reach that prefix until knowing all routes are invalid.

crux n. (难题或问题的)关键，最难点   
longitude n. 纵向的   
discernible adj. 看得清的   
conjecture n. 猜测   
contradictory adj. 相互矛盾的   
notion n. 观念   
trivial adj. 不重要的