# Heavy Hitter Detection

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|h4|

++-+

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+--+ +--+ ++-+ +--+

|h1+------+s1+-----+s3+-----+h3|

+--+ +-++ +--+ +--+

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+-++

|s2|

+-++

|

|

+-++

|h2|

+--+

## Introduction

Uses a counting bloom filter to block flows for which the switch has observed more than a certain number of packets (default 1000).

## How to run

Run the topology:

sudo p4run

or

sudo python network.py

Run the receiver and the sending scripts in h2 and h1 respectively:

mx h2

python receive.py

Send 1500 packets from h1 to h2. Only the first 1000 will be received.

mx h1

python send.py 10.0.2.2 1500