

xc

sg k

x

sg k
R

xc

sg k

xc

	sg k	
	xc	

sg k

sg k

Python
Python

OS

xc

xc

E

Hadoop

HDFS HDFS ;
HDFS
Hive
HQL

Python

HTTP

HTTP

Cookie

urllib3

Requests

HTTP

Chrome

Xpath

Beautiful Soup

JSON

matplotlib pyplot

	sg k	sg k sg k sg k
	xc	xc xc xc E xc xc
		tff tff s RR xtff etf tff xsg

		gss ? k gs
	R	gss ? s ffk e ks s sx gs c
		gss ? s ffk e ks s sx gs c
		gss ? s ffk e ks s sx gs c