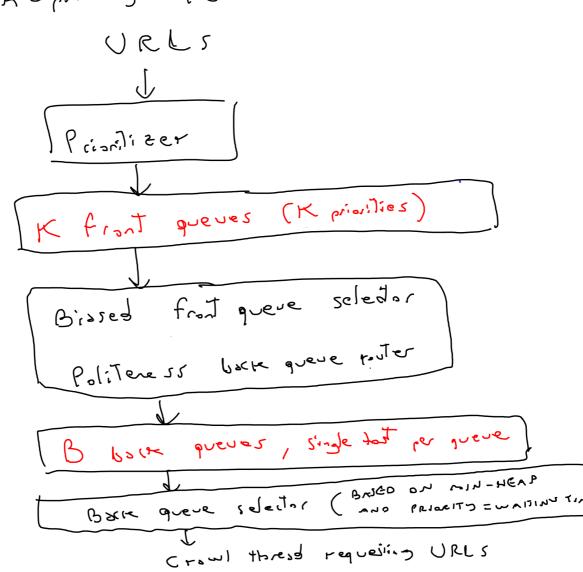
10 [c) 3 M

A scoloble web crowler

(しついきなどうがいら

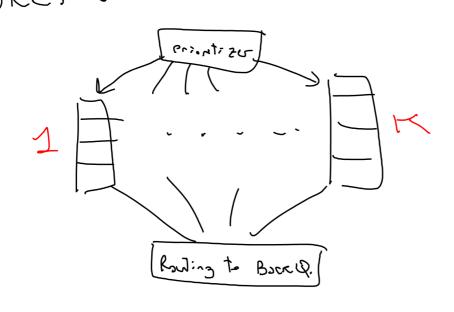
- · Only one connection per host is open at a time
- · Wailing time of a few second between successive requests to the same tost
- · High-priority pages ore crowled preformially



Prioritizer

Assign to on URL & priority between I and to and append it To the relative queue

URLS divided in priorities

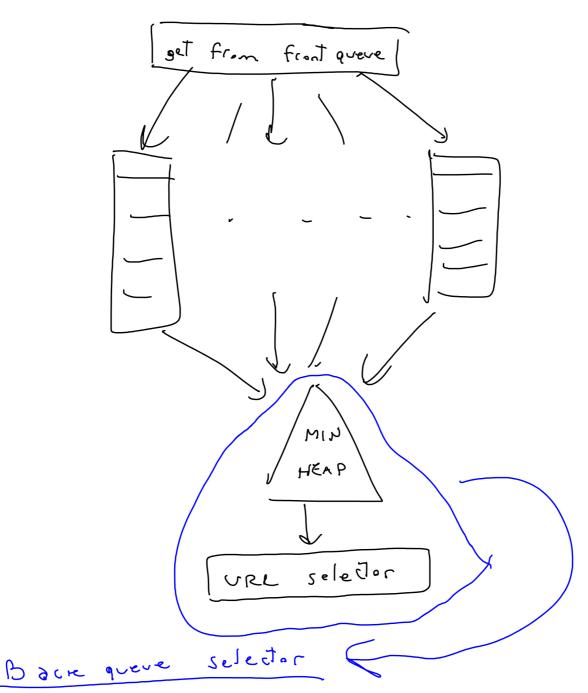


Bissed front queve solector

Extract the trigh priority URLs with high probability and opped to the book queues of its host.

Book Queves

Used to enforce politeress: each queue is kept non-empty and contains only URLs from one host. Usvally B=3K



A min heap contains one entry per back queve. The entries represent the earliest time te ut which the corrisposions host time te ut which the corrisposions host (back queve) can be compled again.

This endrest time is determined from
the last acress of that host or from
buffer herrisic.

Extract the root of the heap/ remove the use from the head of a back queel, woits the time te posses the URL rad sods to the Front queue soin.

NoTE

Since the born quever one Kept non-empty: . ; Et le extraction courer à bara queve to go empty, it pulls & new URL v From

the front queve:

o if there is bloody & law greve for the Host of V, sprend v to it and repest until the empty back queve is non-empty

- a if there is no broke queve for the trist of V, notee The onpty quere the new back queve for that host
- ·; f the back prece is still non-enoty, add's one of ; Is uses to the min-hesp with private = waiting time tree