Propertional Sharing of CAUs
Nugget: suppose you want to run 2x to? ie assign relative priorities that indecate how much each process to run (share of CAC).
each process to run (share of CHC).
Prob of running P1 30 02 P2 P3
I magine tickets distributed amongst processes according to deserred relative access to COV.
P1 30 tix pick from these P2 10 tix pick from these P3 HD tix ticket holder gets 100 tix scheduled next.

Tickets are unitless just relative values.
Programme pick 180 10 Programme pick 180 10 Programme pick 180 10
P ₁ 9 tix peck 1 66 24 P ₃ 12 tix 24
All the above work out the some.
How to implement
liner nethod that encemerates the tiskets is a bad Edea. Not scalable
Sorting on probabilité is a good idea BUT also not realle that

Scalable. More processes means more sorterég.
Perhaps a foncer data
Structure sexpostena fast
insertion & fast fenderég.
Stell not good for performance. Algorithms based on stochastic (vandorn) methods are usually easey to implement. Yay. They suffer from short term problems beet settle to correct performance over teme. Suppose of has 1% chance of running. Over any short interval, or might not run at all (storve) but over Long periods, or will get its "right" Share.

Strick Scheduler

a ticket based scheduler w/no randomness, no fancy data structures.

A 100
B 50
C 200
C 350
Stride $\pm ix$ bignom tix tix tix tix

"pass" in an integer. at stort of alg, all known processes get pass == Ø. 1 pick P with lowest DASS. 2 If tie, pick any. 3 At end of quantum, add stride to pass

4 goto 1

Pass A	Pags B	PassC
Stride 100	Str. 200	dr 40
0	8	0
100	\mathcal{D}	Ø
100	200	Ø
100	200	HO
100	200	80
100	200	120
200	200	120
200	200	l 60
200	200	200

Run

ABUCUAC

Doughal tix

A 100 2x ran 2x

B 50 1x ran 1x

C 250 5x van 5x

CFS completely fair Schedule, (Google)

Hdri it aint completely fair. So they added more.

and more.

and more.

This is typical of Google AFTs. They can take ANYTHING & town it into shit.