## V-WAX (Variable Way)

- -> Some sets accessed heavily while others lightly
- > Conflict mis & Associativity
- -> Reuse suplacement.
- -> Vary the associativity of set irdividually

Traditional set - assor Cachi:

- statil mapping: One-one tog, data map

   Rocal suplacement: If a set is full, a suplacement

  would be done within the

  same set.

Dout Full

- Decoupole tog and data Solution - ax the Lag entries ARP for lag CHRP for data

Hut: → FPTR → Data

There exists an invalidated tag in the same set

- → Use GRP to find a victim in deta

  → Invalidate the conexaming tog of the data

  → White lack if necessary.
- → Fill data and connect the tag & data

Sunviva: There exists no extra invalid tag in the same set.

- -> Use LRP (LRU in this case)
- > Usual stuff

## Global Replacement Policy

## Reuse Replacement.

- i) A new data is added
- 2) A new entry with count D is added to RCT (Rouse Table)
- 3) Every time, this is accessed, +1 happens. Saturating counter, (0,1,2,3+) -> 4 lists
- 4) Victim choosing:
  - -> Go Horough RCT to find a Dandevict.
  - > This is done tenatively. Check the index pointed by PTR. If O, every else -1.
  - -> Keep doing with you get 0.
  - > Inversent the PTR after wicting

-> Victim distance: If a victim is not found within cortain cycle, evict-the the data at the coverent PTR index.



