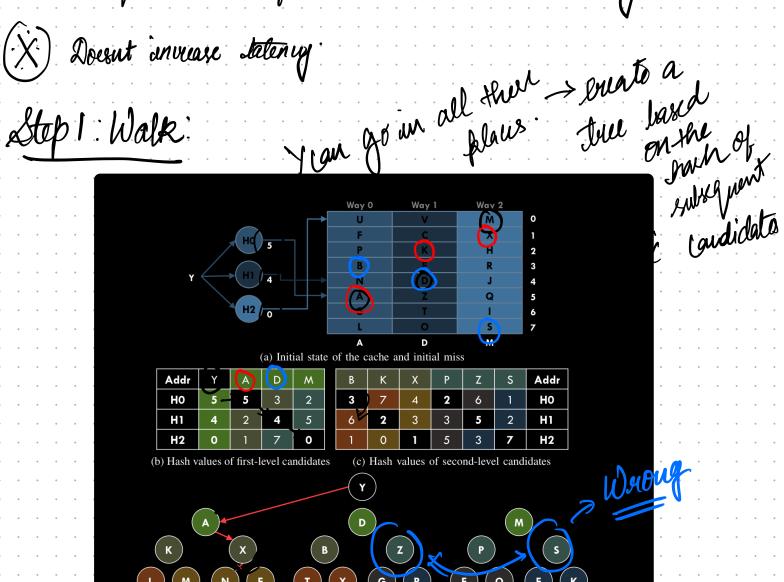
## Z-CACHE

-> Decouples associativity and ways

- Associatively is not # of locations that a block can ruside in It is the number of suplacement candidates on exiction

1) Walks the tag, to identify suplacement candidates
2) Pick candidate by suplacement policy (LRV) Elevit
3) Perform a series of subcation to automodate incoming block



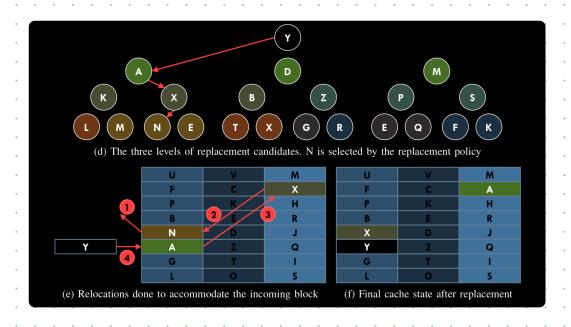
- 1) Use harh generator to give possible replacement caudicates.
- 2) generate hash for those condidates to get even mon candidates.
- 3) you as deep as you want.
- y generated number = set number

  The generator = Way number

Step2: Relocation

1) Once the shock to be suplaced is choosen, selocate the element in that path and evict it.

slide over



Step3: Replacement Policy:
-> Zeache does not have the concept of set, LRV
Cannot de used directly
-> global LRV: +1 for a cers of block
-> Bucketed LRV: +1 once every & access.
Mind mab
Reducing conflict mus) - Invance associativity - Increases ways.
Not always fossible
Solution
(Z-Cache) - Decouple - Associativity is not number of ways
(Z-Cache) -> Decouple -> (Associativity us not number of ways)  and ways  Associativity is number of available candidate  blocks on linetion
blocks on luction
(Step) - [Walk] - (Use bash gen to get way & set numbers)
Possible Caudidates ]
Gen hach basedon 250000

