## MIRAGE

- Shared caches Side channel based allacks
- Achieve full-associativity while Actaining fractical Set-associative lookups (> De coupls placements and replacements

- > Uses pointer to connect lag to data

  > Point + Perole doesn't require a showed memory?

  Doubt:
- -> Mapping inspired by V-Way.
  - -> Set Associative Eviction (SAE):

\* A valid tag from the same set needs to be swicted to accommodate the incoming line.

-> Load-Aware skow selection Policy
Load-Aware hashing
Lo Choose the skew with
the most invalid tog-entries

V-Way	Mwage	
→ 100% entra	75%. extra	
> only 1 stag fren set?	2 tags ker set ?	Am not swu about flui

How to handle if <781 entra tags?

- lucker hashing!

> global eviction to prevent conflict-based attacks >> 2 skewed lag mimic the benefit of fully

associative Cache.	
-> Load balancing policy to make it always later invalid tog -> Cuckoo sulveations if <75%.	Lag
→ O(n²) eviction → CEASER  set discovery	→ O(n). discovery
set du covey	discovery
	Scatter Cache
	CEASER-S.
	Prolabilistic
Scatter Golf:	EvictionSet
	Diescovery
O	(partial)
completely prevent Solute	· · · · • • · · · · · · · · · · · · · ·
Completion For Solution Solutions (SAE)	•

## Luckoo Relocation

- Jf both skews are full, a dine is selected from either of them set & relocated to its alternative location in other skew.

  This create an invalid tog in its original space
- 3 Relocation is good enough!