Quitting -> Which cache line	nstructs belody's optimal for past
Hawkeye — deur deur	n OPT debaviour of past to inform direction
Two problems with OPT)	
Refficient mechanism of such fong history is needed to	compute OPT -> Set duling
key from to opt decise	on depends on the ownlap of secure
at next of 8.	
Invoming line (ac	he-averse > Marked as eviction candidates
	Hawkeyl
OP Tgen.	Howkeye > fixedictor
Simulatis OPT Lepaviour	Eviction decision
Produce influento train	

.

Belady's OPT:

-> Evict the fauthest news blocks

(ache suplacement -> Binary elassifice

Cache replacement

Sinary elassification

foroblem

Cache

Gune

* In fast if a certain load instruct has longest in lines which caused hits, then there is a bright for the same instruction would bring in lines that would be list.

Doubt ! PC 7 -> Perogram counter)

→ Too much store overhand!

Set Deuliz!

Hawkeye -> Huibry -> Sampled Cach

Lo Decision -> Occupancy vector & OPTgen - Training -> PC based foundation Access Sampled > occupancy vector > If tag match Buriary foudiction Based on Hupc Train produtor Assign Miss Value Hut Laclu-aversi Cache-fruendly age dy 1 if all < 6

Oftgen and occupancy weiter:

when a dine is accessed

furt that as O in

orcupancy victor

Cluck all part, uncument

that to this by I. If Inceeds

Cache lize, its a must

Doubt: Phase change boundary?

Evit ache avvise

No foudited Cache averse,

LRV

evicts cache-avouse of new working

Predictor detravied when I cache-friendly lines are evicted

week friendly age other lines Mind map: Look at the history to foredict future Belady OPT -> Empossible need 8x c large history Inst that bought but lines in past is more Hawkeye likely to bring more suit dires. History Train Prodict > Replacement Muss Huct Averse Foreso Tubany 1 & age all

MW3

Hut

No averse Indicates phase Jange LRV disction detrain PC