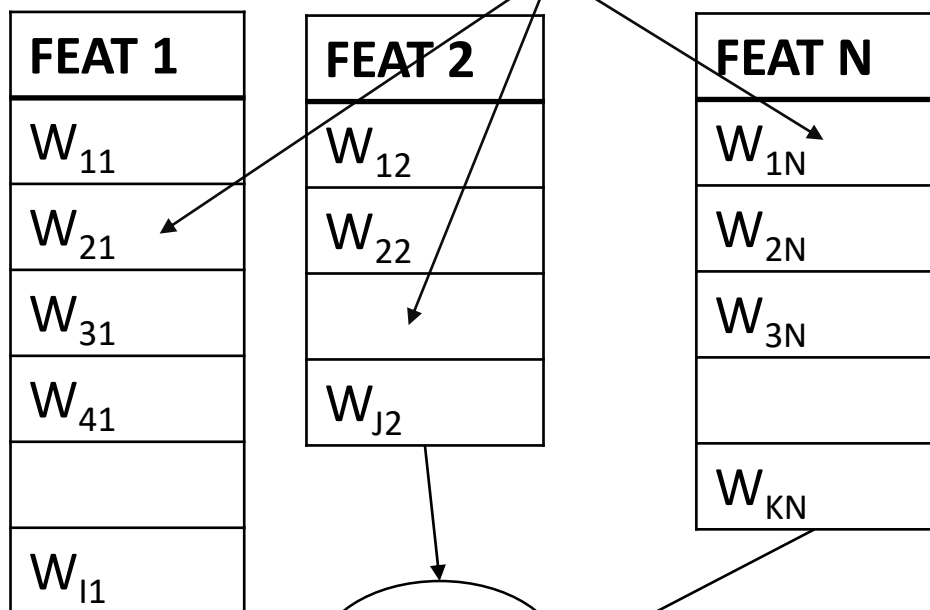


Prefetch cache line suggested  
by the base prefetcher

## 1. Inferencing



Sum

Thresholding

Perceptron Filter

Sent to L2C / LLC for  
Prefetch

## 2. Recording

Reject Table

Prefetch Table

Index 1

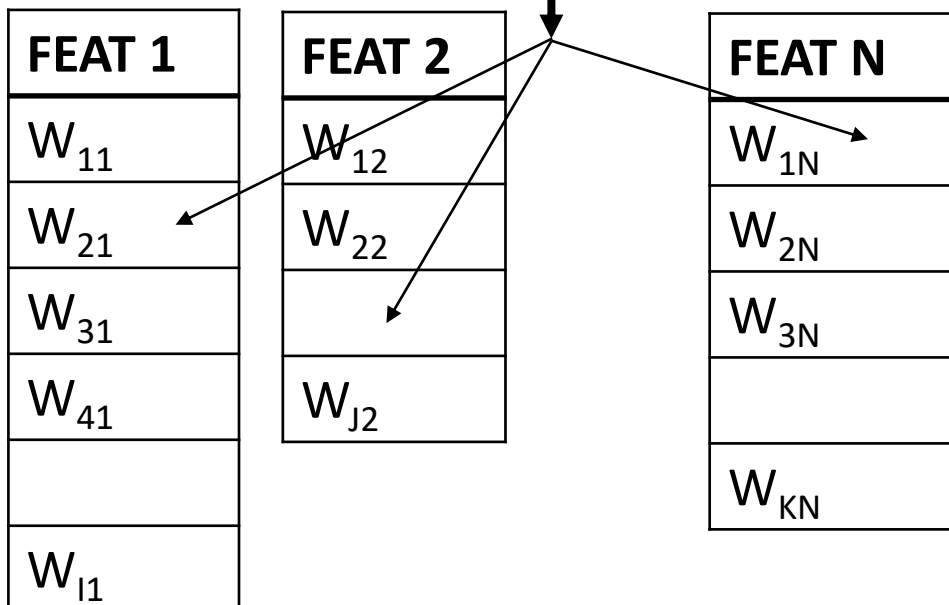
.....

Index N

(a) Prediction

Re-access same weights

## 4. Training



(b) Update

## 3. Retrieving

Demand Hit / Eviction

Previous L2C Prefetch