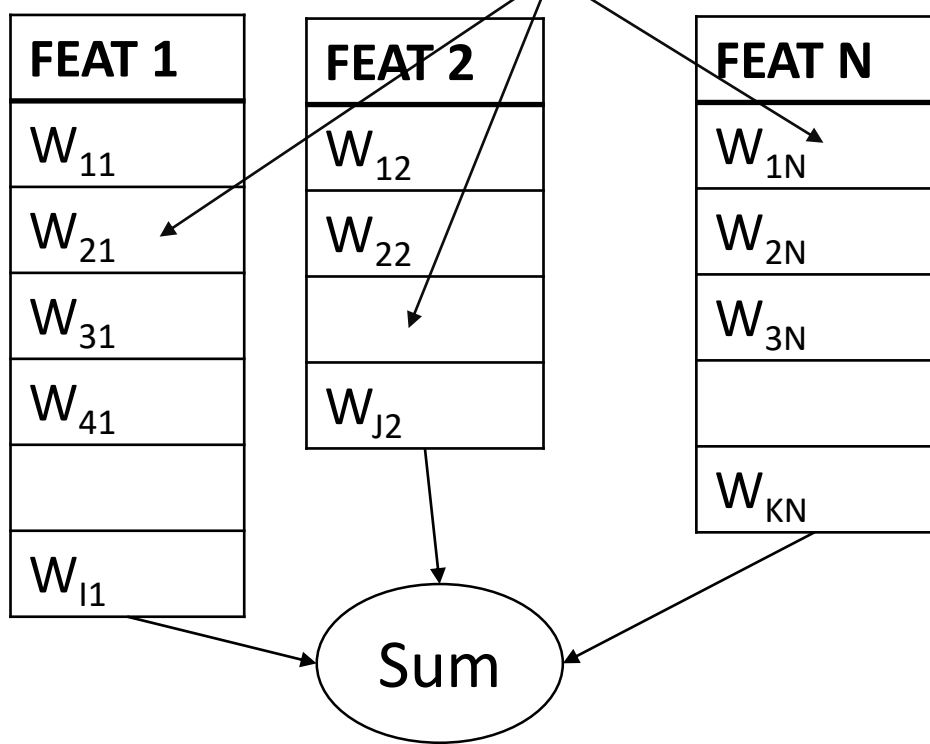


Prefetch cache line suggested
by the base prefetcher

1. Inferencing



Thresholding

2. Recording

Prefetch Table

Index 1	Index N

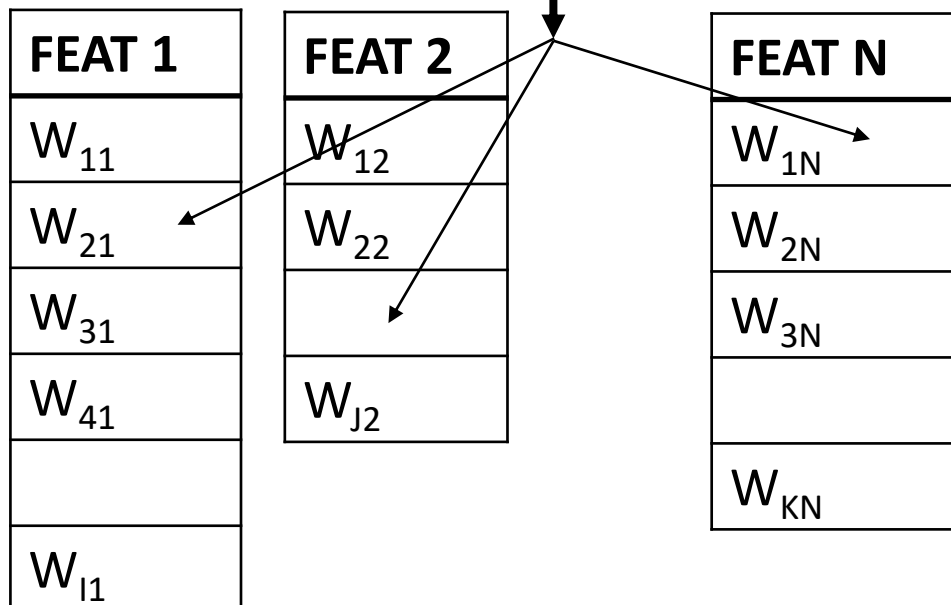
Perceptron Filter

Sent to L2C / LLC for
Prefetch

(a) Prediction

Re-access same weights

4. Training



3. Retrieving

Prefetch Table

Index 1	Index N

Demand Hit / Eviction

Previous L2C Prefetch

(b) Update