

Prefetch cache line suggested by the base prefetcher

Perceptron Filter

1. Inferencing

	FEAT 1	FEAT 2	...	FEAT N
ENTRY 1	W_{11}	W_{12}		W_{1n}
ENTRY 2	W_{21}	W_{22}		W_{2n}
....				
ENTRY K	W_{k1}	W_{k2}		W_{kn}

Sum

Thresholding

2. Recording

Features Recorded in Table

Feat 1 Feat N

Update Weights

4. Training

3. Retrieving

Subsequent Demand Hit / Eviction

Sent for L2C / LLC for Prefetch

