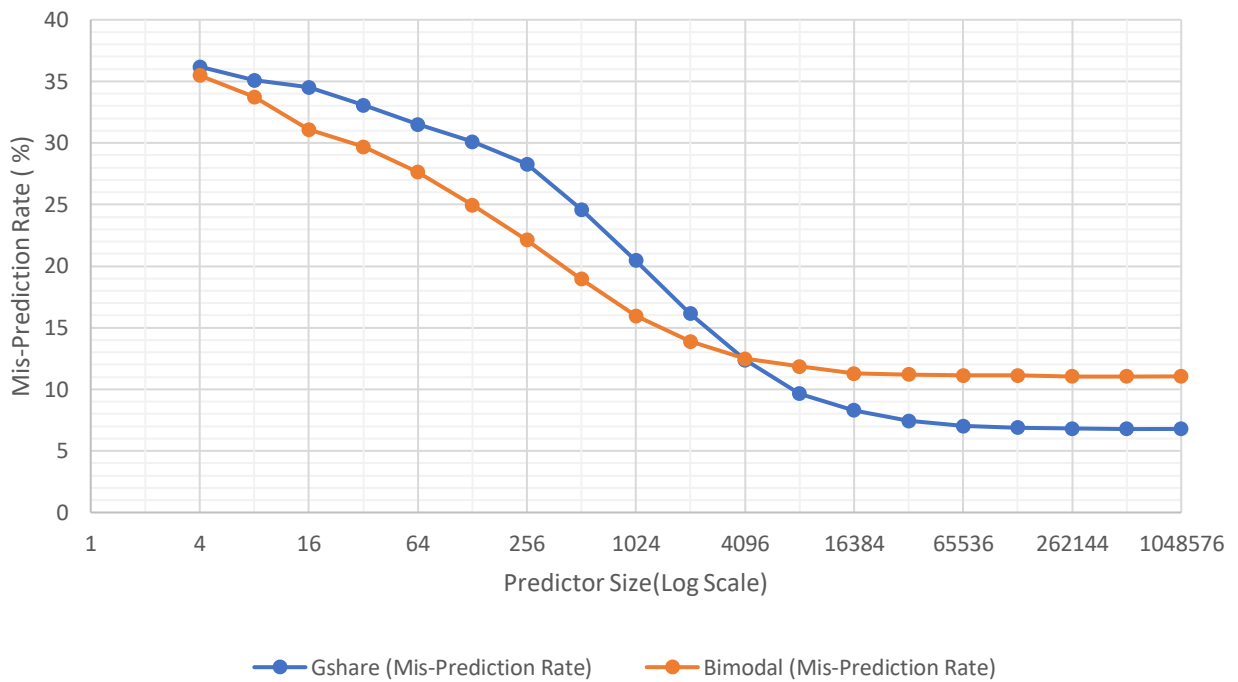
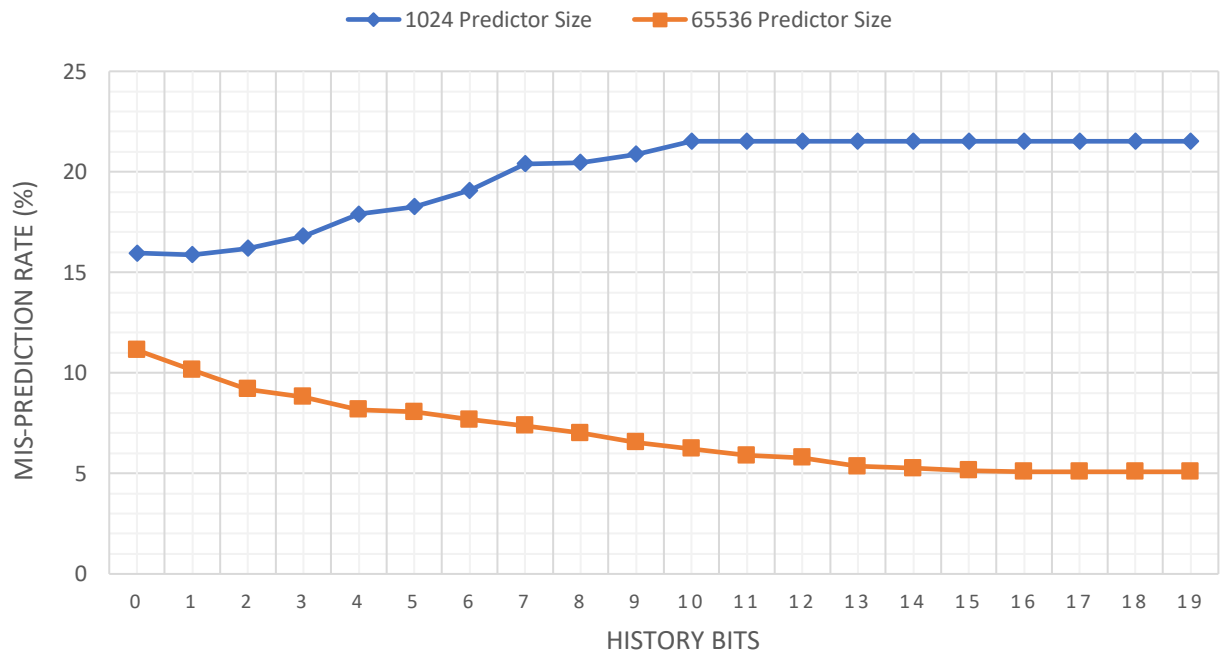


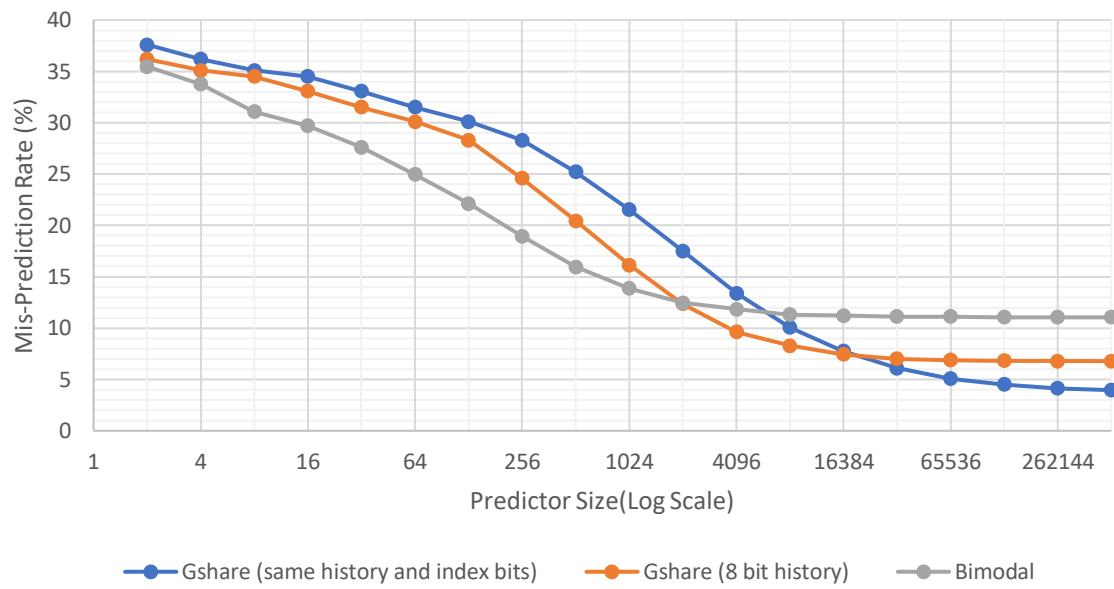
Bimodal Vs Gshare with 8-bit history



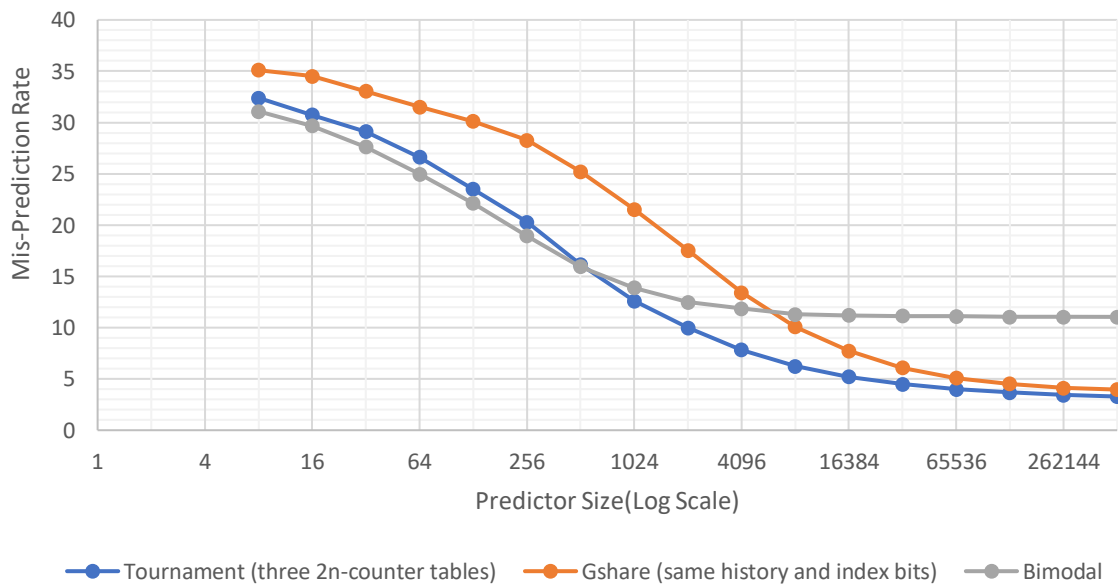
VARYING GSHARE HISTORY BITS WITH TWO PREDICTOR SIZES



### Gshare(index=historybits) Vs Gshare(8-bits) Vs Bimodal



### Tournament (three $2^n$ counters) Vs Gshare Vs Bimodal



## Tournament-Fair Vs Tournament Vs Gshare Vs Bimodal

