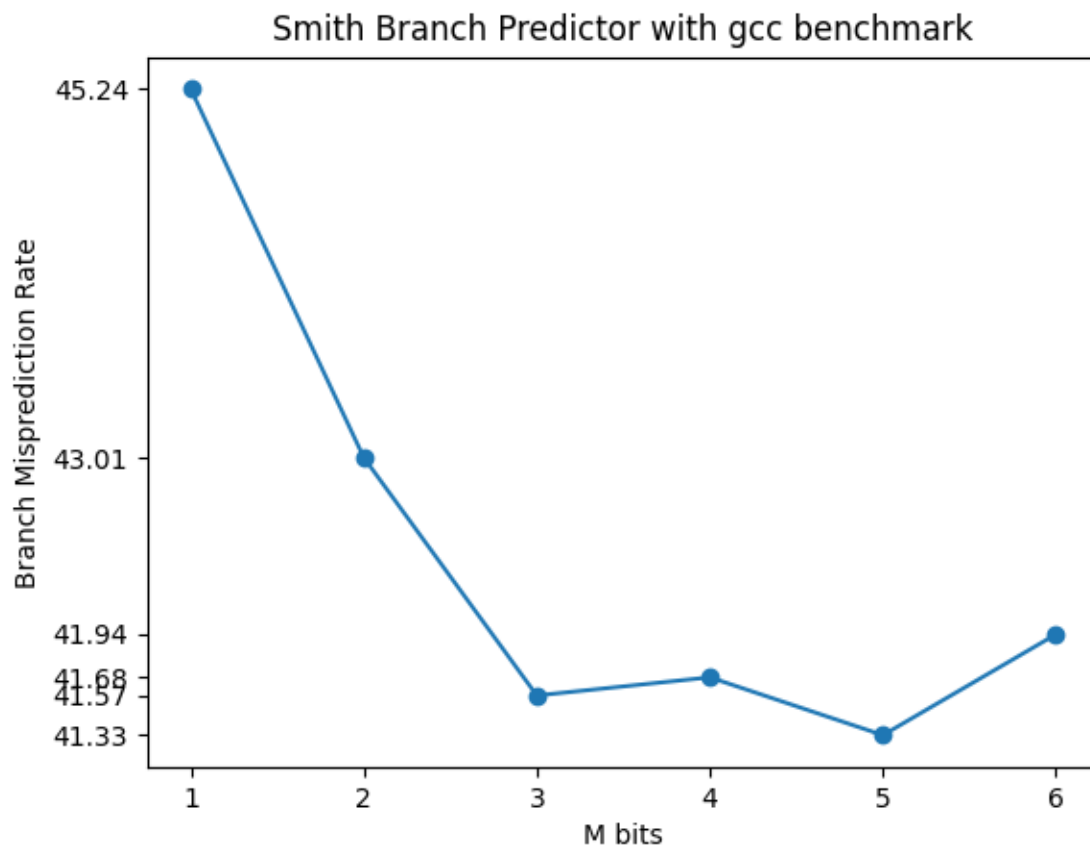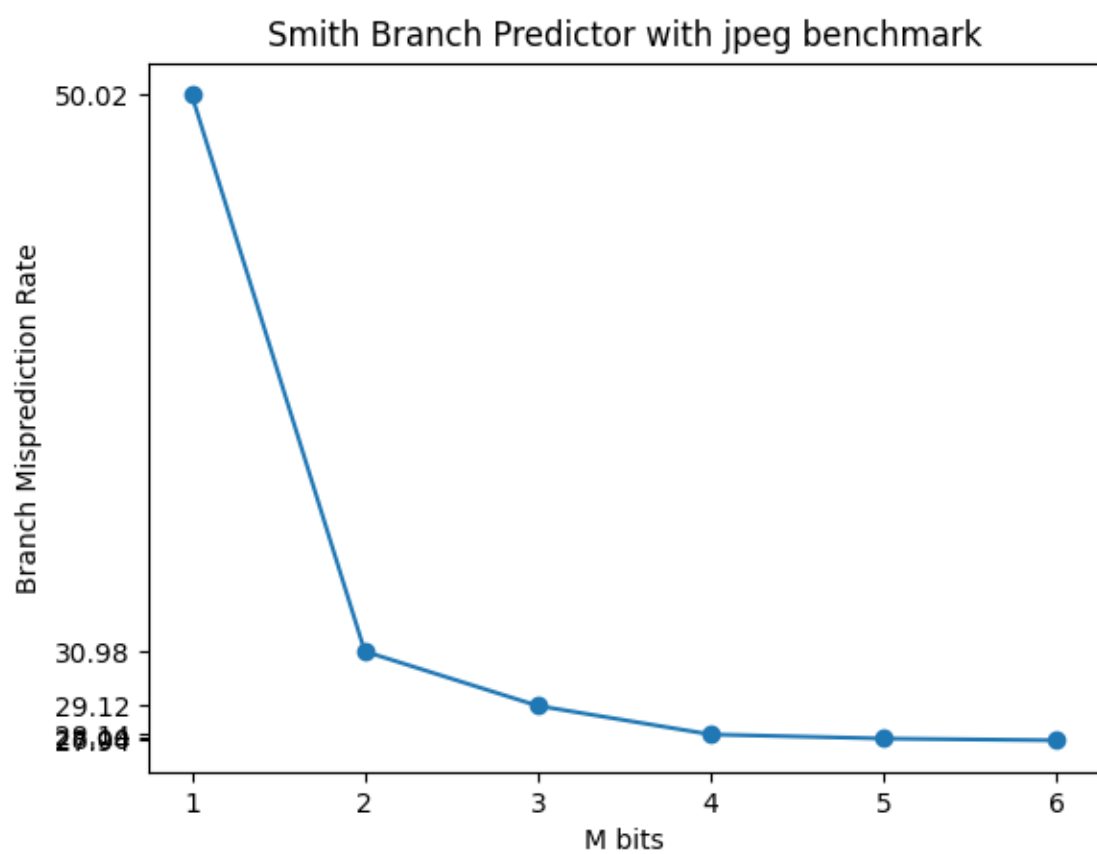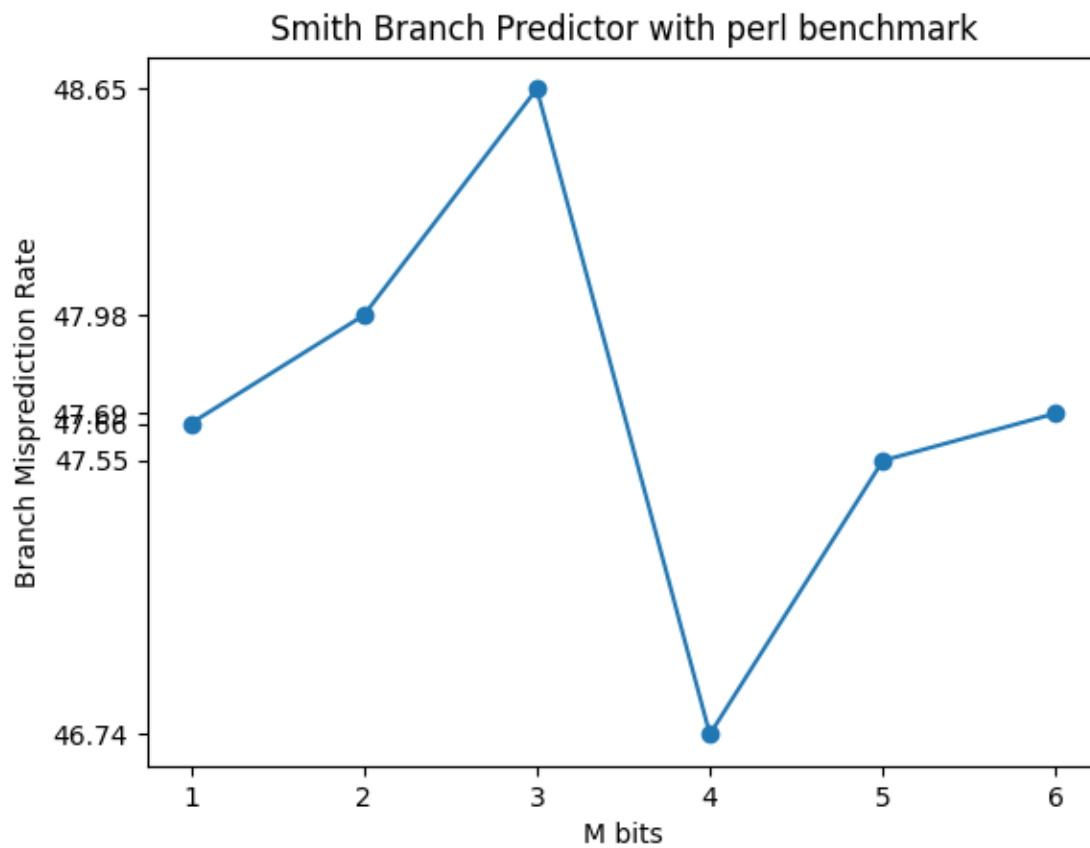# SMITH N-BIT BRANCH PREDICTOR

```
Smith Table:
        0      1      2      3      4      5
0   45.24  43.01  41.57  41.68  41.33  41.94
1   50.02  30.98  29.12  28.14  28.00  27.94
2   47.66  47.98  48.65  46.74  47.55  47.69
```

Smith Branch Predictor with gcc benchmark

Smith Branch Predictor with jpeg benchmark

Smith Branch Predictor with perl benchmark

BIMODAL BRANCH PREDICTOR
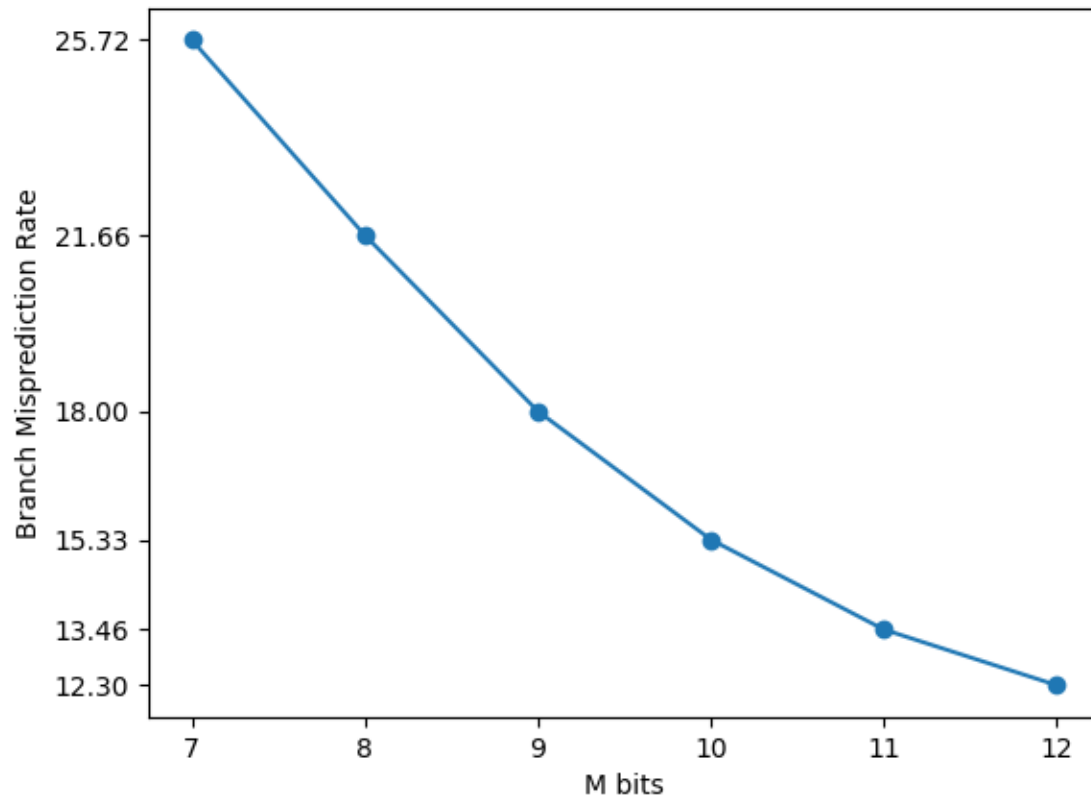


```
Bimodal Table:
          0       1       2       3       4       5
0   25.72   21.66   18.00   15.33   13.46   12.30
1    7.85    7.75    7.69    7.65    7.51    7.49
2   20.60   16.17   13.79   11.62   10.59    8.94
```
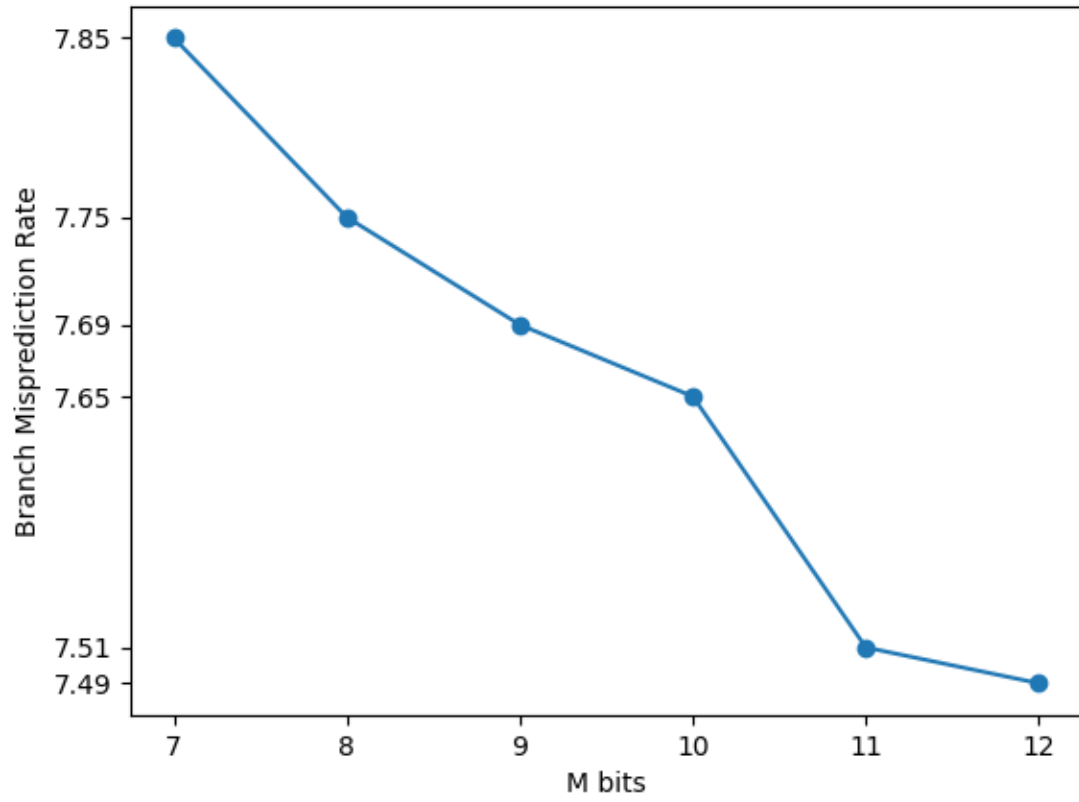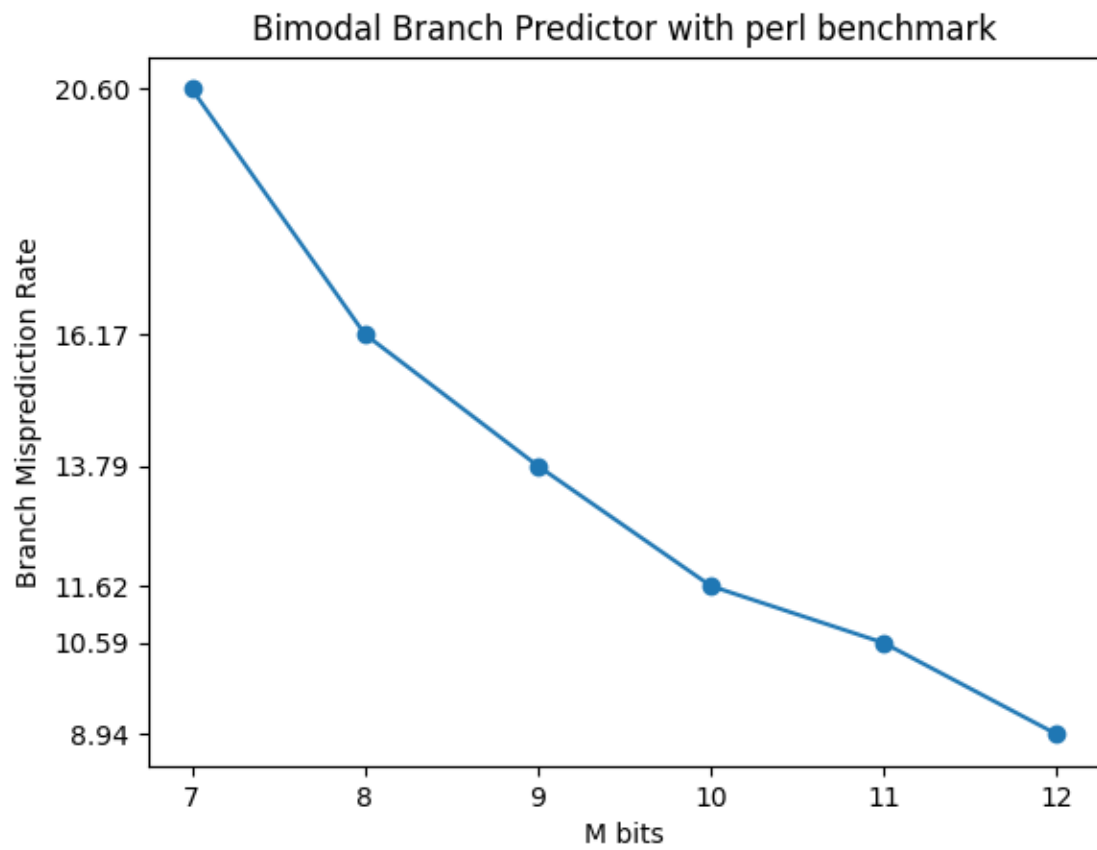
Bimodal Branch Predictor with gcc benchmark

Bimodal Branch Predictor with jpeg benchmark

Bimodal Branch Predictor with perl benchmark

G-SHARE BRANCH PREDICTOR

gcc, gshare

jpeg, gshare

perl, gshare