University of Central Florida

Department of Computer Science

CDA 5106: Fall 2020

Machine Problem 2: Branch Prediction

by

SAI CHARAN REDDY PANNALA

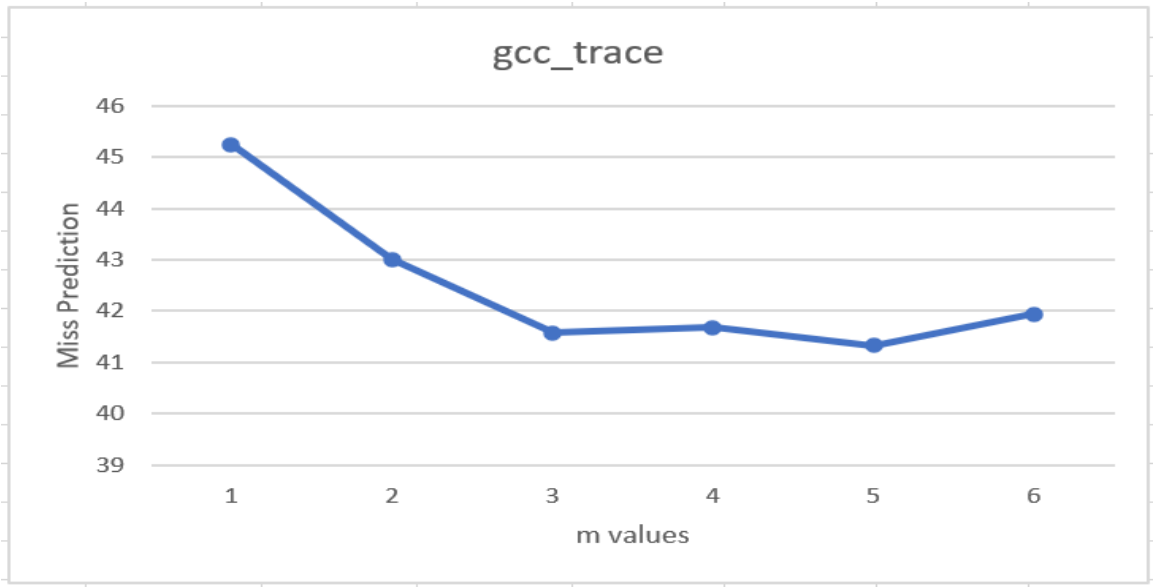
Honor Pledge: "I have neither given nor received unauthorized aid on this test or assignment."

Student's electronic signature: SAI CHARAN REDDY PANNALA
(sign by typing your name)

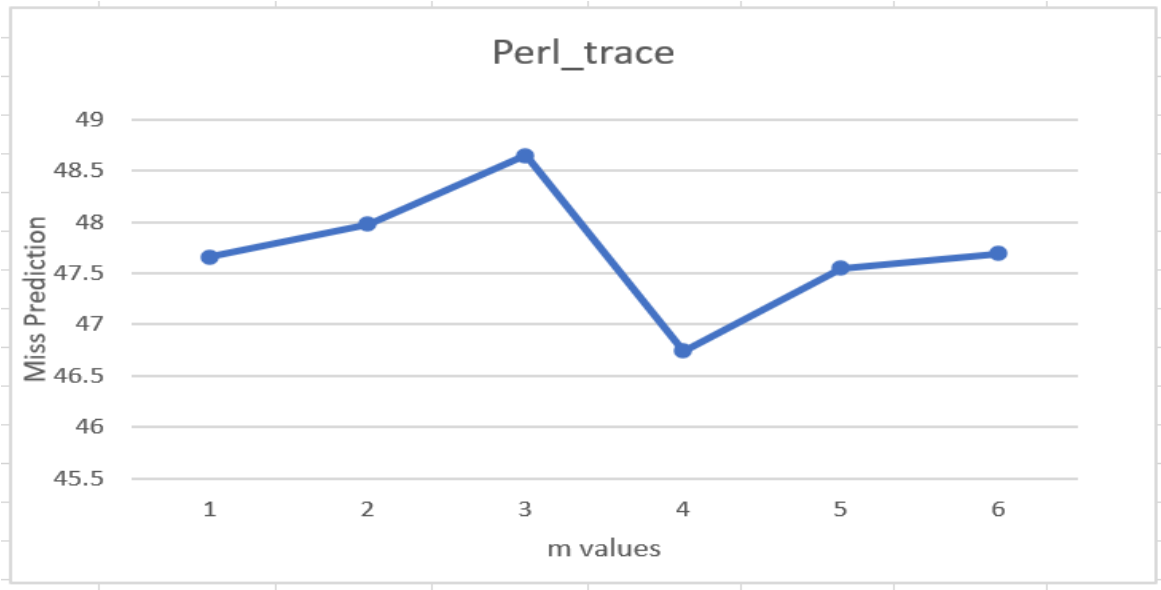
Sample cover page for MP2.

GRAPHS OF SMITH

Graph content of a smith n-bit counter with configurations for 1<=b<=6 for gcc_trace.txt

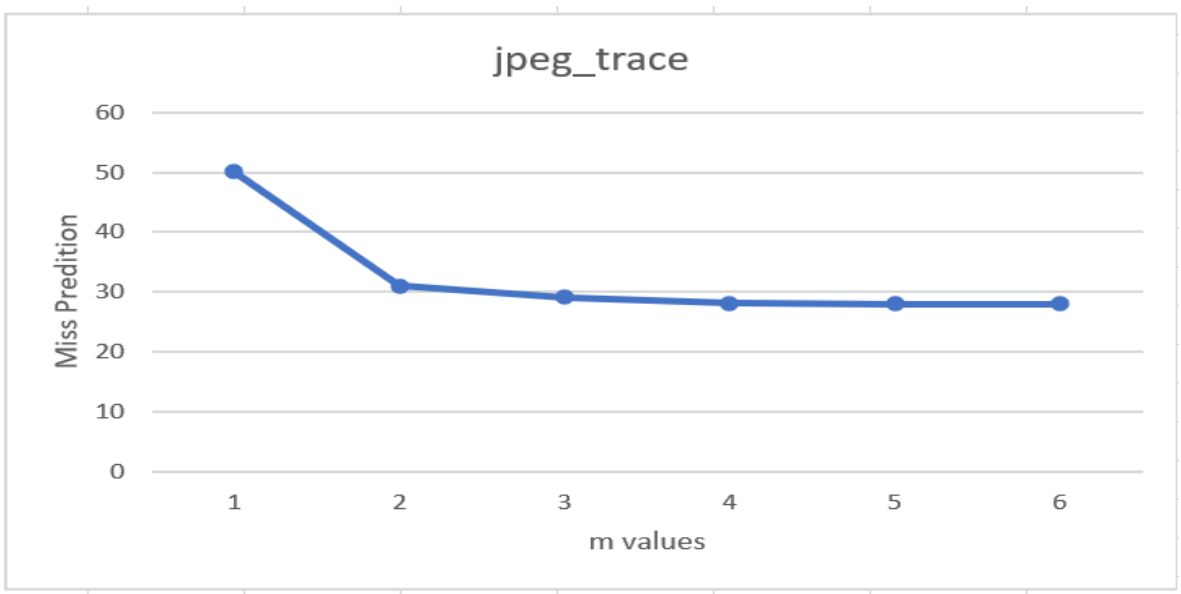


Graph content of a smith n-bit counter with configurations for 1<=b<=6 for perl_trace.txt



Sample cover page for MP2.

Graph content of a smith n-bit counter with configurations for 1<=b<=6 for jpeg_trace.txt



Graph content of a smith n-bit counter with configurations for 1<=b<=6 for all files

	1	2	3	4	5	6
perl_trace	47.66	47.98	48.65	46.74	47.55	47.69
gcc_trace	45.24	43.01	41.57	41.68	41.33	41.94
jpeg_trace	50.05	30.98	29.12	28.14	28	27.94

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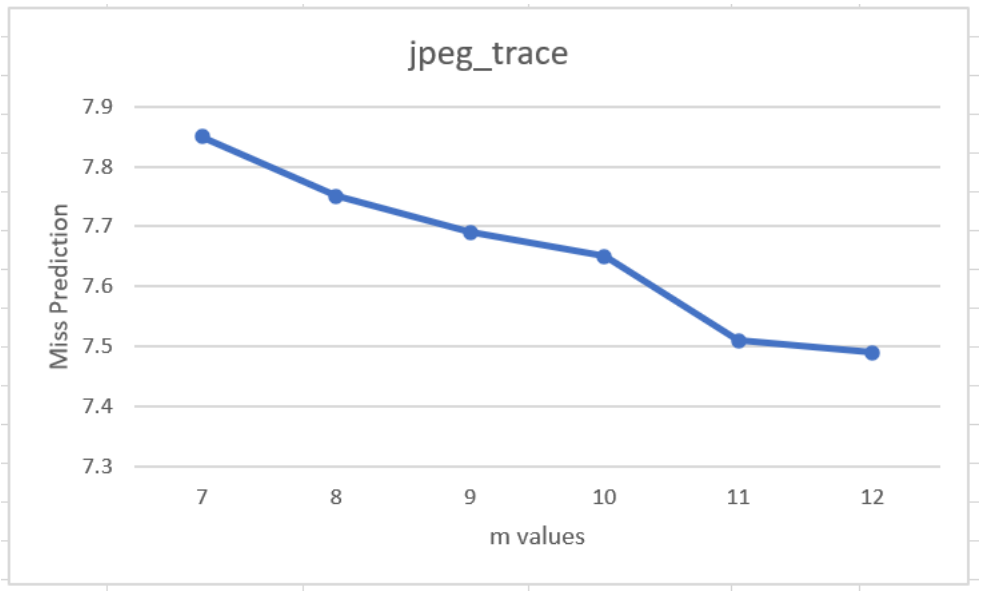
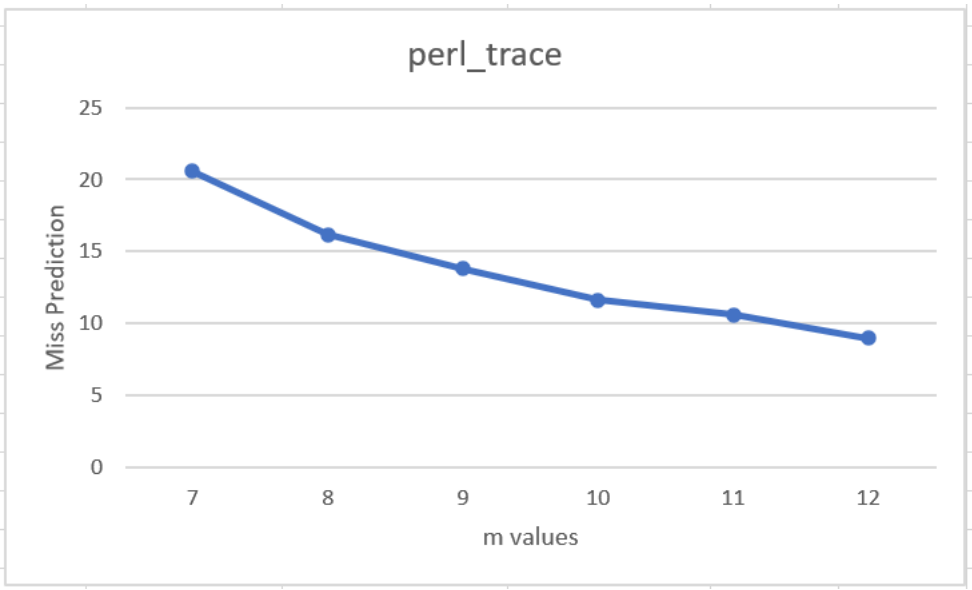
GRAPHS FOR BIMODAL

Graph content of a bimodal n-bit counter with configurations for 7<=m<=12 for jpeg_trace.txt



Graph content of a bimodal n-bit counter with configurations for 7<=m<=12 for perl_trace.txt



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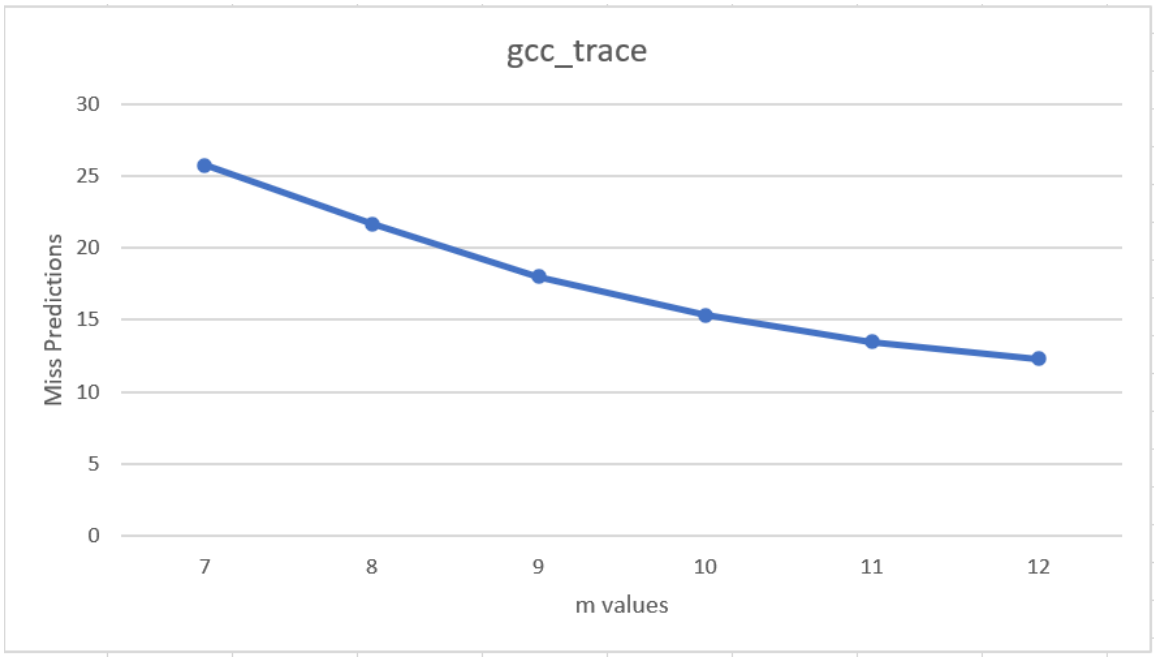
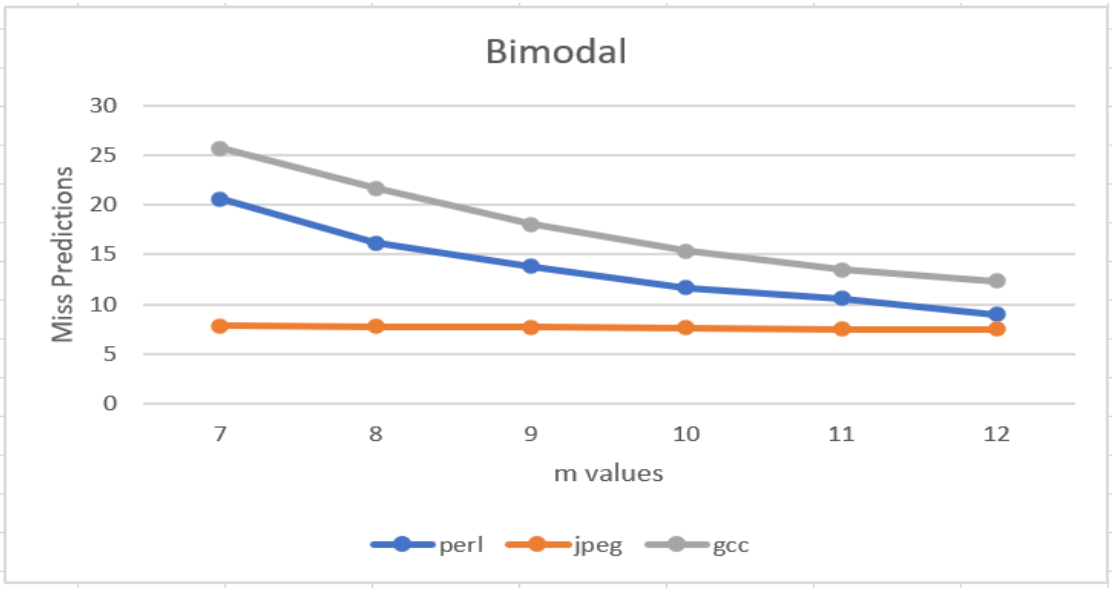
Graph content of a bimodal n-bit counter with configurations for 7<=m<=12 for gcc_trace.txt



Graph content of a bimodal n-bit counter with configurations for 7<=m<=12 for all files



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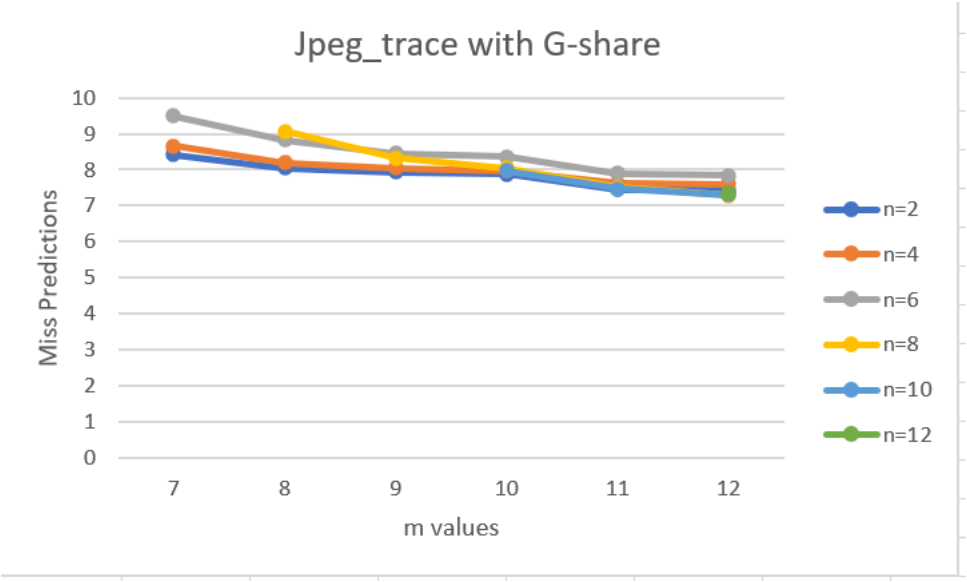
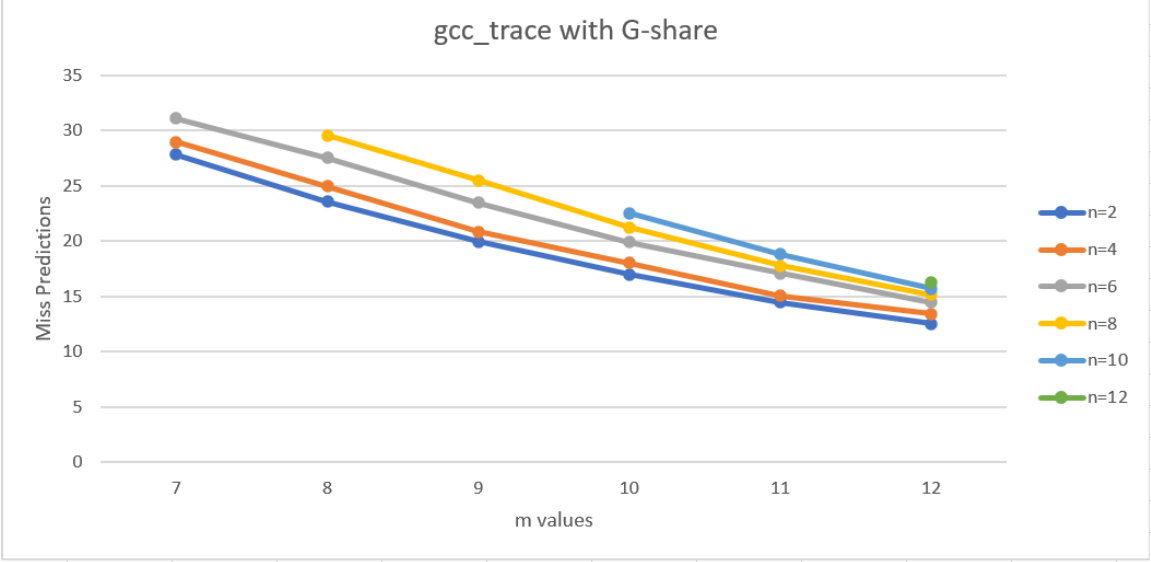
GRAPHS FOR G-SHARE

Graph content of a G-share n-bit counter with configurations for 7<=m<=12 and 2<=n<=m n is even for jpeg_trace.txt



Graph content of a G-share n-bit counter with configurations for 7<=m<=12 and 2<=n<=m n is even for gcc_trace.txt



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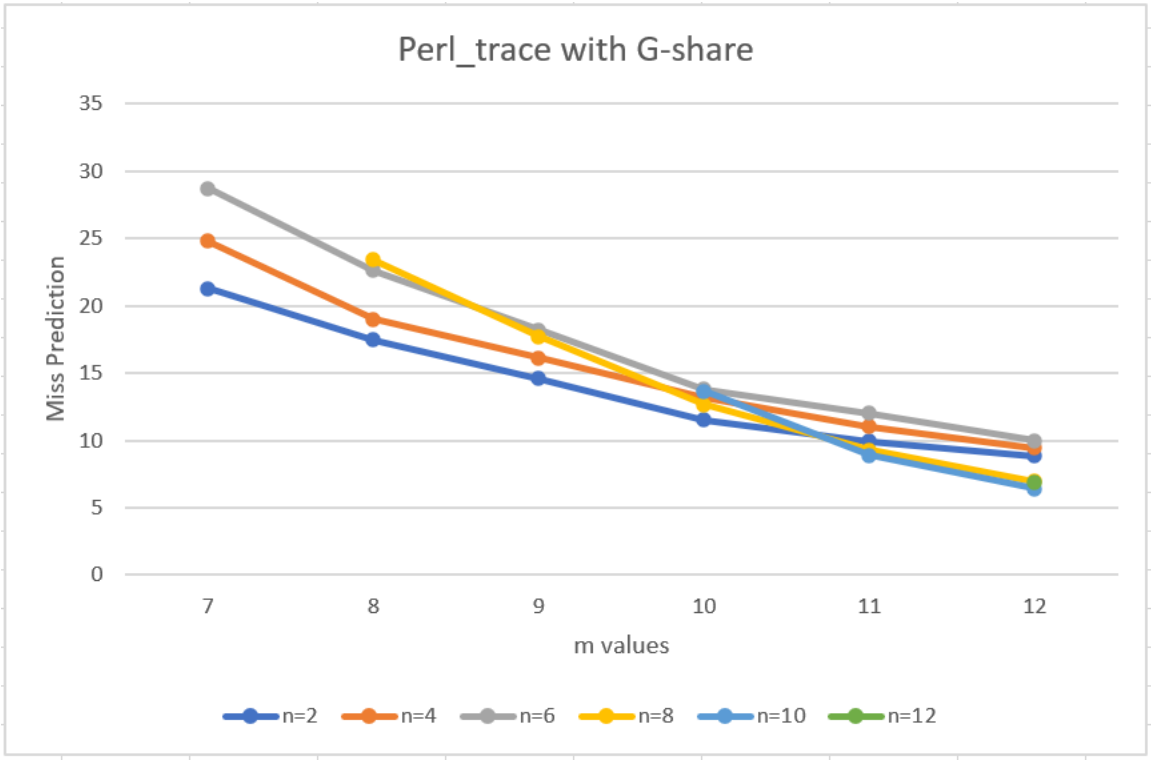
Graph content of a G-share n-bit counter with configurations for 7<=m<=12 and 2<=n<=m n is even for perl_trace.txt



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