Julian Garcia

1. Using 1 Bit Dynamic Branch Predictor

	Branch	Predict
1	N	False
2	N	Correct
3	N	Correct
4	N	Correct
5	N	Correct
…..	……..	……..
18	N	Correct
19	N	Correct
20	T	False

This table repeats one hundred times so:
Number of missed predictions = 2*100 = 200
Number of right predictions = 18*100 = 1,800

Accuracy rate = 1,800 / 2,000 = 90%

2. Using two bit Dynamic Branch Predictor

	Branch	Predict
1	N	False
2	N	False
3	N	Correct
4	N	Correct
5	N	Correct
…..	……..	……..
18	N	Correct
19	N	Correct
20	T	False

After First Round

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	Branch	Predict
1	N	Correct
2	N	Correct
3	N	Correct
4	N	Correct
5	N	Correct
…..	……..	……..
18	N	Correct
19	N	Correct
20	T	False

After Second round

After 100 total repetitions:

Number of missed predictions: 3 + 1*99 = 102
Number of right predictions: 17 + 19*99 = 1,898