

Branch	Outer	Inner	Entry #	State	Pred	Actual	New State	
BNE	0	0	0	00	NT	T	00 --> 01	Outer
			1	0 01	NT	T	01 --> 11	iteration 0
			2	0 11	T	T	11	5 correct
			3	0 11	T	T	11	4 incorrect
			4	0 11	T	T	11	
			5	0 11	T	T	11	
			6	0 11	T	T	11	
			7	0 11	T	NT	11 --> 10	
BEQ		-	3	00	NT	T	00 --> 01	
BNE	1	0	0	10	T	T	10 --> 11	Outer
			1	0 11	T	T	11	iteration 1
			2	0 11	T	T	11	7 correct
			3	0 11	T	T	11	2 incorrect
			4	0 11	T	T	11	
			5	0 11	T	T	11	
			6	0 11	T	T	11	
			7	0 11	T	NT	11 --> 10	
BEQ		-	3	01	NT	T	01 --> 11	
BNE	2	0	0	10	T	T	10 --> 11	Outer
			1	0 11	T	T	11	iteration 2
			2	0 11	T	T	11	8 correct
			3	0 11	T	T	11	1 incorrect
			4	0 11	T	T	11	
			5	0 11	T	T	11	
			6	0 11	T	T	11	
			7	0 11	T	NT	11 --> 10	
BEQ		-	3	11	T	T	11	
BNE	3	0	0	10	T	T	10 --> 11	Outer
			1	0 11	T	T	11	iteration 3
			2	0 11	T	T	11	7 correct
			3	0 11	T	T	11	2 incorrect
			4	0 11	T	T	11	
			5	0 11	T	T	11	
			6	0 11	T	T	11	
			7	0 11	T	NT	11 --> 10	
BEQ		-	3	11	T	NT	11 --> 10	

**SOLUTION TO BHT EXAMPLE
DONE IN CLASS THURSDAY,
2/20/2014**

**TOTAL
27 correct predictions
9 mispredictions**

**Misprediction rate
= 9 / (9+27) = 0.25
--> 25% misprediction rate**