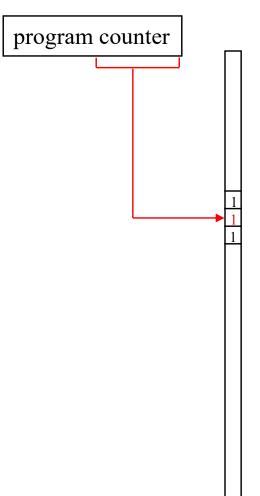


1st iteration Branch Taken (predicted not taken) History -> 1

```
for (i=0;i<10;i++) {
...
...
}

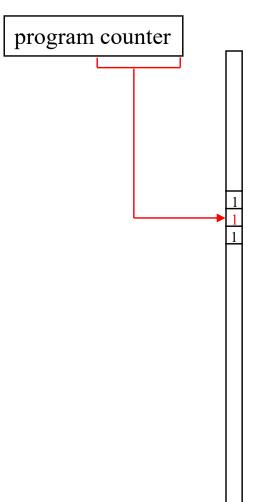
...
add $i, $i, #1
beq $i, #10, loop
```



2nd iteration Branch Taken (predicted taken) History -> 1

```
for (i=0;i<10;i++) {
...
...
}

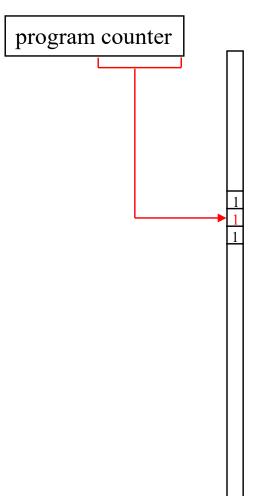
...
add $i, $i, #1
beq $i, #10, loop
```



3rd iteration Branch Taken (predicted taken) History -> 1

```
for (i=0;i<10;i++) {
...
...
}

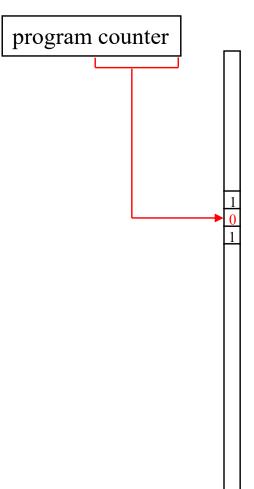
...
add $i, $i, #1
beq $i, #10, loop
```



10th iteration Branch Not Taken (predicted taken) History -> 0

```
for (i=0;i<10;i++) {
...
...
}

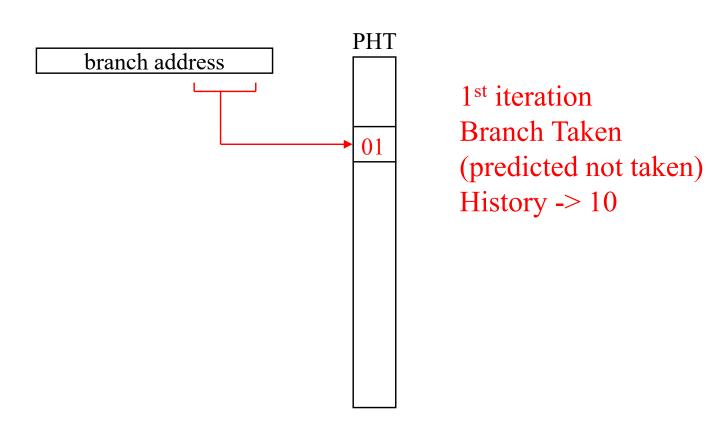
...
add $i, $i, #1
beq $i, #10, loop
```

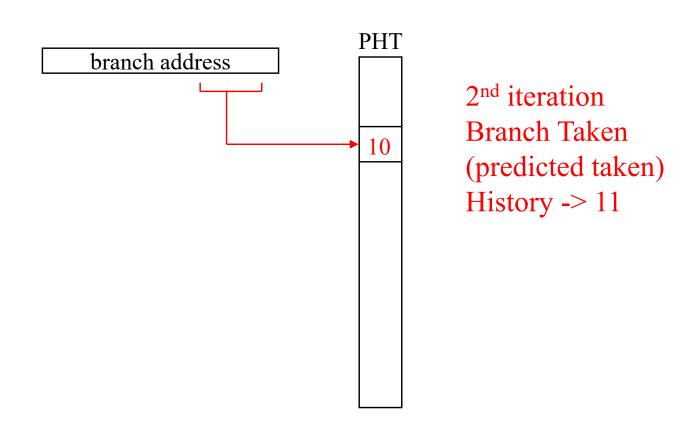


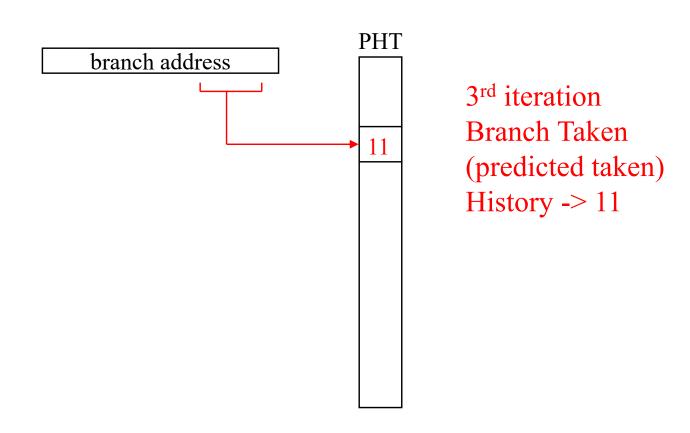
1st iteration again Branch Taken (predicted not taken) History -> 1

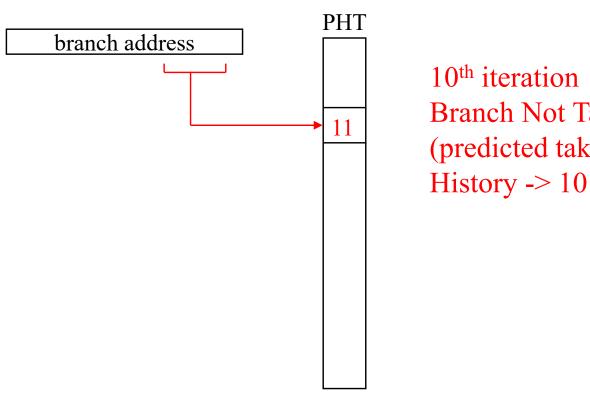
```
for (i=0;i<10;i++) {
...
...
}

...
add $i, $i, #1
beq $i, #10, loop
```

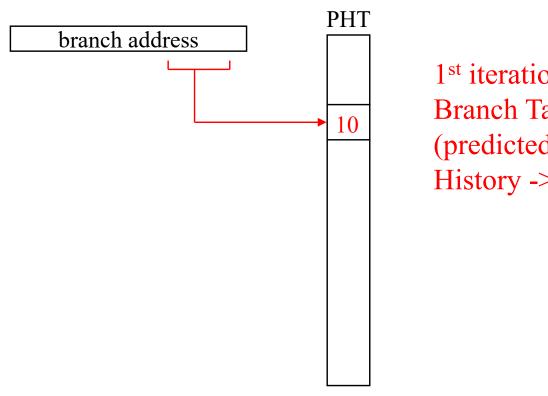








Branch Not Taken (predicted taken)



1st iteration again Branch Taken (predicted taken) History -> 11

