

```
for(...)
  load ...;
  .
  .
  store ...;
  load ...;
  .
  .
end for
```

Original Loop

```
for(...)
```

```
  profile();
  load ...;
  .
  .
  profile();
  store ...;
  profile();
  load ...;
```

```
  .
  .
end for
```

Instrumented Loop

check

log

check

Loop\_id1:<itr\_id1, address1>  
<itr\_id2, address2>  
.....>

Log of *store* addresses