

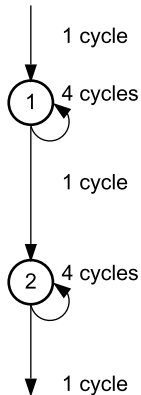
```

void top (a[4],b[4],c[4],d[4]...) {

    ...
    Add: for (i=3;i>=0;i--) { -----
        if (d[i])
            a[i] = b[i] + c[i];
    } -----
    Sub: for (i=3;i>=0;i--) { -----
        if (!d[i])
            a[i] = b[i] - c[i];
    } -----
    ...
}

```

(A) Without Loop Merging



(B) With Loop Merging

