$i = i + 1;$ $i + = 1;$ $i++;$

```
int summate(int n) { // this is a definition
    int acc = 0;
    for (int i=1; i<=n; i+=1) {
        acc = acc + i;
    }
    return acc;
}
```

initializer   condition   update

rsummate
n   3

rsummate
n   4

rsumate
n   5

main

Static allocation

main
a | 0 | 1 | 4 | 9 | 16 |

fWS
i | 0 |
array | • |
size | 5 |

main
a | • | → | 0 | 1 | 4 | 9 | 16 |