

$i \leftarrow 1$

**if** ( $i_1 > 100$ )

$a \leftarrow 2 * B[i]$

$A[i] \leftarrow a$

$i \leftarrow i + 1$

**if** ( $a_2 > 20$ )

return  $a$

```
graph TD; Start([i ← 1]) --> LoopEntry(( )); LoopEntry --> If1{if (i₁ > 100)}; If1 --> BodyBlock; subgraph BodyBlock [ ]; A["a ← 2 * B[i]  
A[i] ← a  
i ← i + 1  
if (a₂ > 20)"]; end; BodyBlock --> LoopEntry; BodyBlock --> End([return a]);
```

$i \leftarrow 1$

**if** ( $i_1 > 100$ )

$a \leftarrow 2 * B[i]$

$A[i] \leftarrow a$

$i \leftarrow i + 1$

**if** ( $a_2 > 20$ )

return  $a$

```
graph TD; Start([i ← 1]) --> LoopEntry(( )); LoopEntry --> If1{if (i₁ > 100)}; If1 --> BodyBlock; subgraph BodyBlock [ ]; A["a ← 2 * B[i]  
A[i] ← a  
i ← i + 1  
if (a₂ > 20)"]; end; BodyBlock --> LoopEntry; BodyBlock --> End([return a]);
```