



$$\int_a^b x^a y^b$$

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**Algorithm 2** An algorithm with caption

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**while**  $N \neq 0$  **do**

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

$N \leftarrow N - 1$

**end while**

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