

Function Machines — Cheat Sheet

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FUNCTION MACHINES

1. Forward: apply operations in order.
2. Backward: inverse operations, reverse order.
3. $+$ $\leftrightarrow$ $-$ and $\times$ $\leftrightarrow$ $\div$.
4. Always check by running forwards.

Example: $\times 3$ then -2 , output 19 $\rightarrow +2$, $\div 3 \rightarrow$ input 7.