The **pseudocode** package

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The **pseudocode** package defines additional languages using listings package for writing algorithms in a natural way (in english or in french).

The following LaTeX code:

```
\begin{pseudo}
Function integer greatestCommonDivisor(integer a, integer b)
begin
    while (a <> b) do
        if a > b
            a := a - b
        else
            b <- b - a
        endif
    endwhile
    return a
end
\end{pseudo}
```

produces:

```
Function integer greatestCommonDivisor(integer a, integer b)
begin
    while (a ≠ b) do
        if a > b
            a ← a − b
        else
            b ← b − a
        endif
    endwhile
    return a
end
```

Same example but written french:

```
Fonction entier plusGrandCommunDiviseur(entier a, entier b )
Début
    tant que ( a ≠ b ) faire
        si ( a > b )
            a ← a − b
        sinon
            b ← b − a
        finsi
    fintantque
    retourner a
Fin
```