

```
let reduceContinuedFraction = fun( elems : int list ) ->
let characteristic : int = List.hd( elems ) in
let mantissa : int list = List.tl( elems ) in
let reducer =
    List.fold_left
        ( fun acc e -> ( fun r -> acc( 1.0 /. ( float( e ) +. r ) ) ) )
        ( fun r -> float( characteristic ) +. r )
        mantissa
in reducer( 0.0 );;
```