

```
ReturnInt(N) := | return round(N) if N = round(N)
                  | return (N factor → ) otherwise
```

```
test(bb,ndig) := | y ← Shi(b)·sinh(b) – cosh(b)·Chi(b) | substitute, b = (ReturnInt(bb))
                  | float, ndig                         → -3.9936486475149222918519397998243679 10-4
                  |
                  y
```

```
testall(N,ndig) := | x ← round(N) if N = round(N)
                      | x ← (N factor → ) otherwise
                      |
                      | y ← Shi(b)·sinh(b) – cosh(b)·Chi(b) | substitute, b = x
                      | float, ndig                         →
                      |
                      y
```

ndig := 80 bb := 50

test(bb,ndig) = $-4.00967812914558 \times 10^{-4}$

test(bb,ndig) → $-4.0096781291455848412919213080722299 10^{-4}$

testall(bb,ndig) = ■

testall(bb,ndig) → $-4.0096781291455848412919213080722299 10^{-4}$

bb := 50.1

test(bb,80) = $-3.99364864751492 \times 10^{-4}$

test(bb,80) → $-3.9936486475149222918519397998243679 10^{-4}$

testall(bb,ndig) = ■

testall(bb,ndig) → $-3.9936486475149222918519397998243679 10^{-4}$