AR

AR Step 1&2

```
def·factor
```

AR Step 3&4

```
def·factorial(
```

AR Step 5&6

```
def·factorial(num):
```

AR Step 7&8

```
def·factorial(num):\n
···
```

PTP (Ours) + Error Correction

PTP Step 1

```
def·factorial(n):\n
····if·n·==·0:\n
········return·1\n
····else:\n
\n
········return·return\n
·return·return\n
```

PTP Step 2

```
def·factorial(num):\n
····if·num·==·0:\n
········return·\n
\n
··::\n
········return:\n
\n
```

PTP Step 3

```
def·factorial(num):\n
····if·num·==·0:\n
········return·1\n
····else:\n
········return·num·*·factorialnum-))\n
\n
def·main():\n
```

PTP Step 4

```
def·factorial(num):\n
····if·num·==·0:\n
········return·1\n
····else:\n
········return·num·*·factorial(num-1)\n
\n
```