

Recursion

Maths $\rightarrow f(x) = x^2$
 $y = x^2$



```
void f(int x)
{
    return x * x;
}
```

* Recursion is similar to Principle of Mathematical Induction.

\hookrightarrow solve small problem



\hookrightarrow Use this to solve bigger problem

* Smallest problem is known as
base case

Recursion



Recursion stops
here

