Example: Mandelbrot Set
Example: Sierpinski Triangle
The Fractal Design Pattern

given:

method X operating on granule Y

Y is component of larger granule Z

solution:

adapt X to solve problems for granule Z
The Fractal Design Pattern

advantages:

same code, same tests

no need to reinvent the wheel

drawbacks:

solution not necessarily perfectly suited to work on multiple granules

The All Levels are Equal Pattern is just a special case of this one!
Example: Nested RAID

RAID 0+1 or RAID 01

RAID 0

RAID 1

SSD

3 = 4

4 x \( R \) x \( W \)
Example: The Data Redundancy Pattern

Data Center Example

1. DC (1) RAID 1
2. DC (2) RAID

Internet

Backup
Credits and Copyrights

© iStock.com:
mtphoto

CC:
Wolfgang Beyer
http://creativecommons.org/licenses/by-sa/3.0/

and
public domain