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

SSD

RAID 1

RAID 0

4 x N
2 x N

3 = 4
Example: The Data Redundancy Pattern

Data Center Example

DC (1) → RAID 1 → DC (2)

RAID
BACKUP

Internet
Credits and Copyrights

© iStock.com:
mtphoto

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

and
public domain