

Divide Pair Conquer 04

In [1]:

```
from fractions import Fraction

value1 = Fraction(1,2)
value2 = Fraction(3,4)

def mediant(nA, dA, nB, dB):
    a = nA + nB
    b = dA + dB
    return Fraction(a,b)

result1 = mediant(value1.numerator, value1.denominator, value2.numerator, value2.denominator)

def mediantTwo(a, b):
    num = a.numerator + b.numerator
    den = a.denominator + b.denominator
    return Fraction(num, den)

result2 = mediantTwo(value1, value2)
print(result1)
print(result2)
```

2/3

2/3

The fraction itself is a relation between its numerator and denominator.