

REFERENCES

[1] Abel Cain. Sets and relations. 2:255, 2012.  
[2] Marie John. The hunting handicap: costly signaling in human foraging strategies. *Behavioral Ecology and Sociobiology*, 50:9–19, 2008.  
[3] Langley Kate. Hobbit: Battle of the five armies. 6:585, 2003.  
[4] Jane Mary. A quick take on today’s world. 7:295, 2015.  
[5] Maite Taboada. Discourse markers as signals (or not) of rhetorical relations. *Journal of Pragmatics*, 38:567–592, 2006.

Pythagoras    Theorem    :     $a^2 + b^2 = c^2$

**Data:** A set  $C = \{c_1, c_2, \dots, c_r\}$  of denominations of coins, where  $c_i > c_2 > \dots > c_r$  and a positive number  $n$

**Result:** A list of coins  $d_1, d_2, \dots, d_k$ , such that  $\sum_{i=1}^k d_i = n$  and  $k$  is minimized

```
C ← ∅;
for i ← 1 to r do
    while n ≥ c_i do
        C ← C ∪ {c_i};
        n ← n - c_i;
    end
end
return C;
```

**Algorithm 1:** CHANGE Makes change using the smallest number of coins

Col1	Col2	Col2	Col3
1	6	87837	787
2	7	78	5415

