



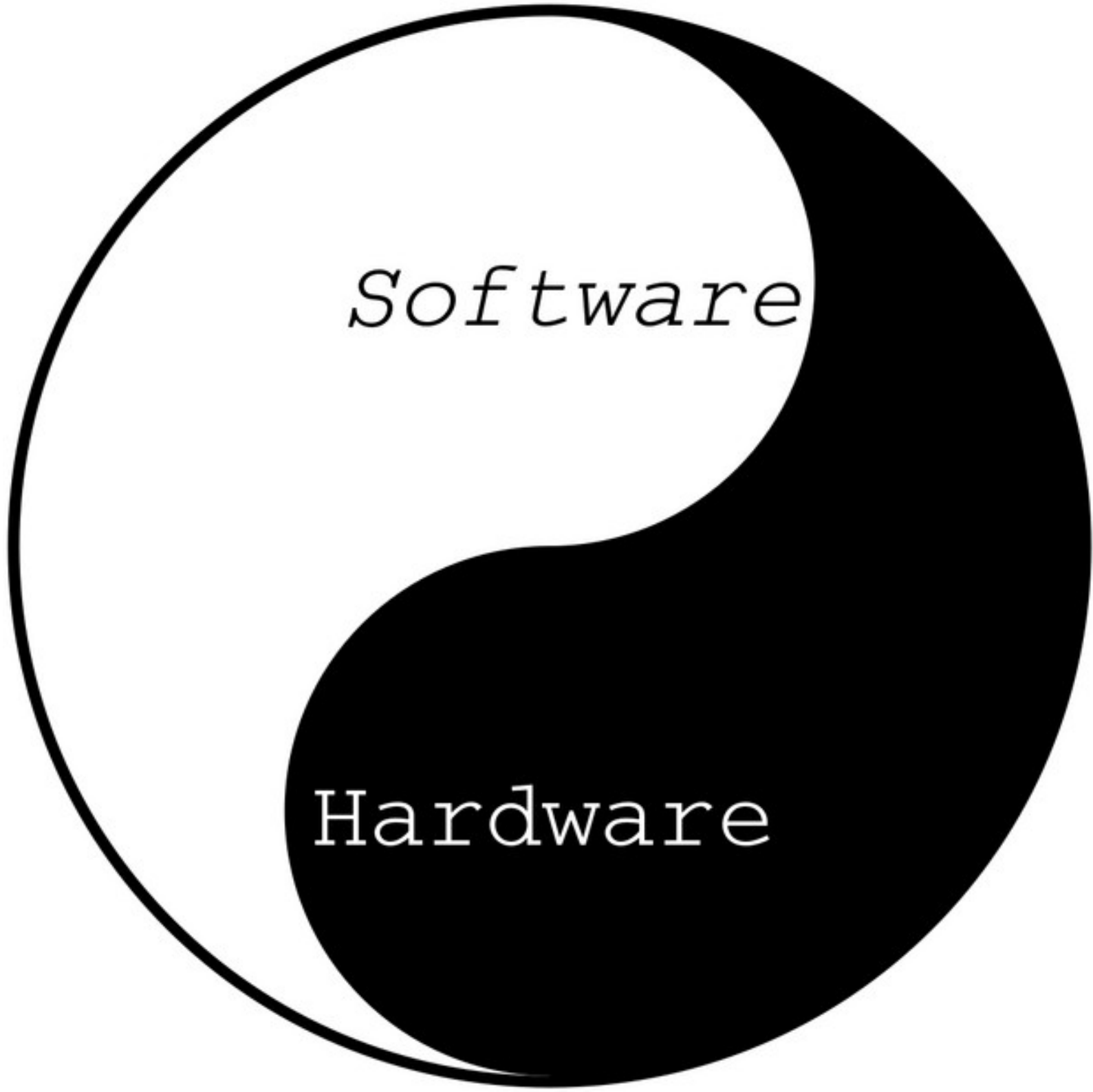
**Cosa non è
l'informatica**







Ceci n'est pas une pipe.



Software

Hardware



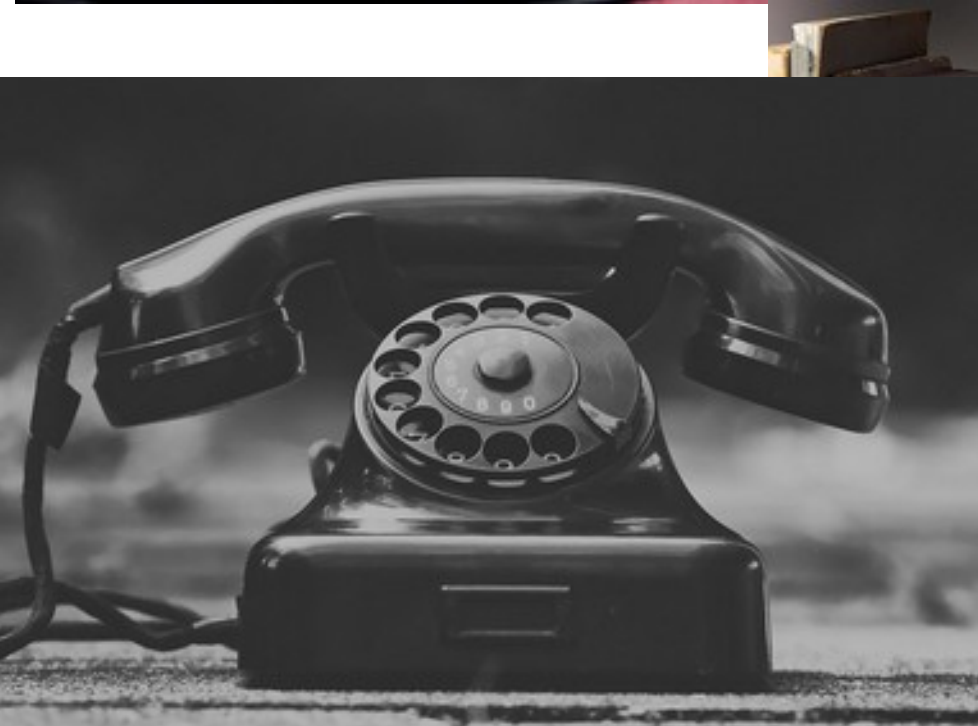
π

i

e



By Önnäländ [CC BY-SA 4.0],
from Wikimedia Commons





```
17 string sinput;  
18 int iLength, iN;  
19 double dbfTemp;  
20 bool again = true;  
21  
22 while (again) {  
23     iN = -1;  
24     again = false;  
25     getline(cin, sinput);  
26     stringstream(sinput) >> dbfTemp;  
27     iLength = sinput.length();  
28     if (iLength < 4) {  
29         again = true;  
30         continue;  
31     } else if (sinput[iLength - 3] != ".") {  
32         again = true;  
33         continue;  
34     } while (++iN < iLength) {  
35         if (isdigit(sinput[iN])) {  
36             continue;  
37         } else if (iN == (iLength - 3)) {  
38             continue;  
39         }  
40     }  
41 }
```


Heathkit EDUCATIONAL ELECTRONIC ANALOG COMPUTER

MODEL EC-1

COEFFICIENT POTENTIOMETERS

1 2 3 4 5

INITIAL CONDITIONS

1 2 3

AMPLIFIER OUTPUTS

1 2 3 4 5 6 7 8 9

AMPLIFIER INPUTS

PRESS TO BALANCE AMPLIFIER

AMPLIFIER BALANCE CONTROLS

1 2 3 4 5 6 7 8 9

AMPLIFIER OUTPUT METER INPUT

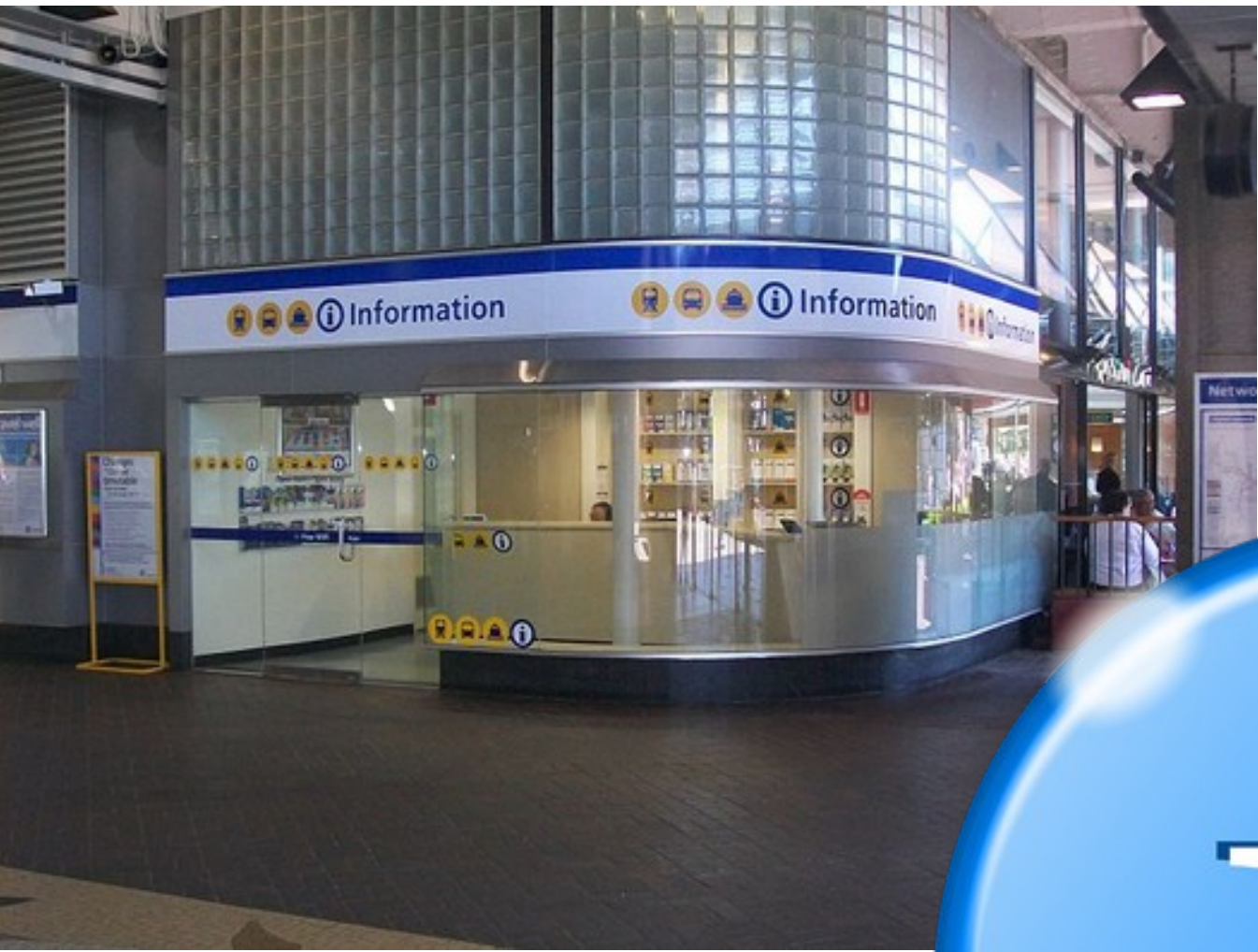
AMPLIFIER BALANCE RANGE SET BY

METER FUNCTION

MANUAL REPEATITIVE

POWER

HEATH ELECTRONIC - A SUBSIDIARY OF SAUNDERS, INC. - BOSTON, MASS., U.S.A.



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10100110001
10110010100
10101000011



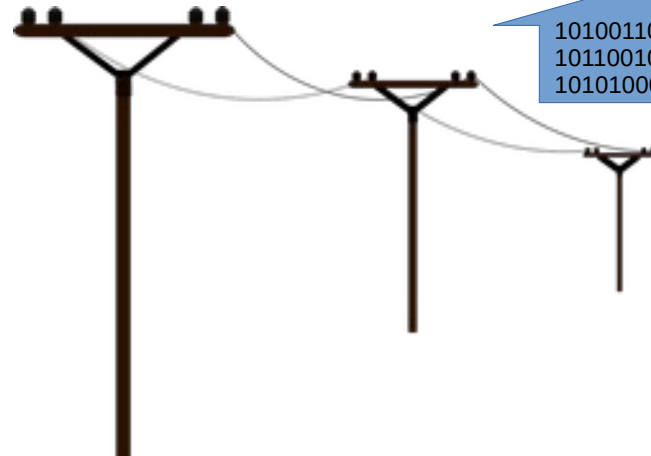
10100110001
10110010100
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10100110001
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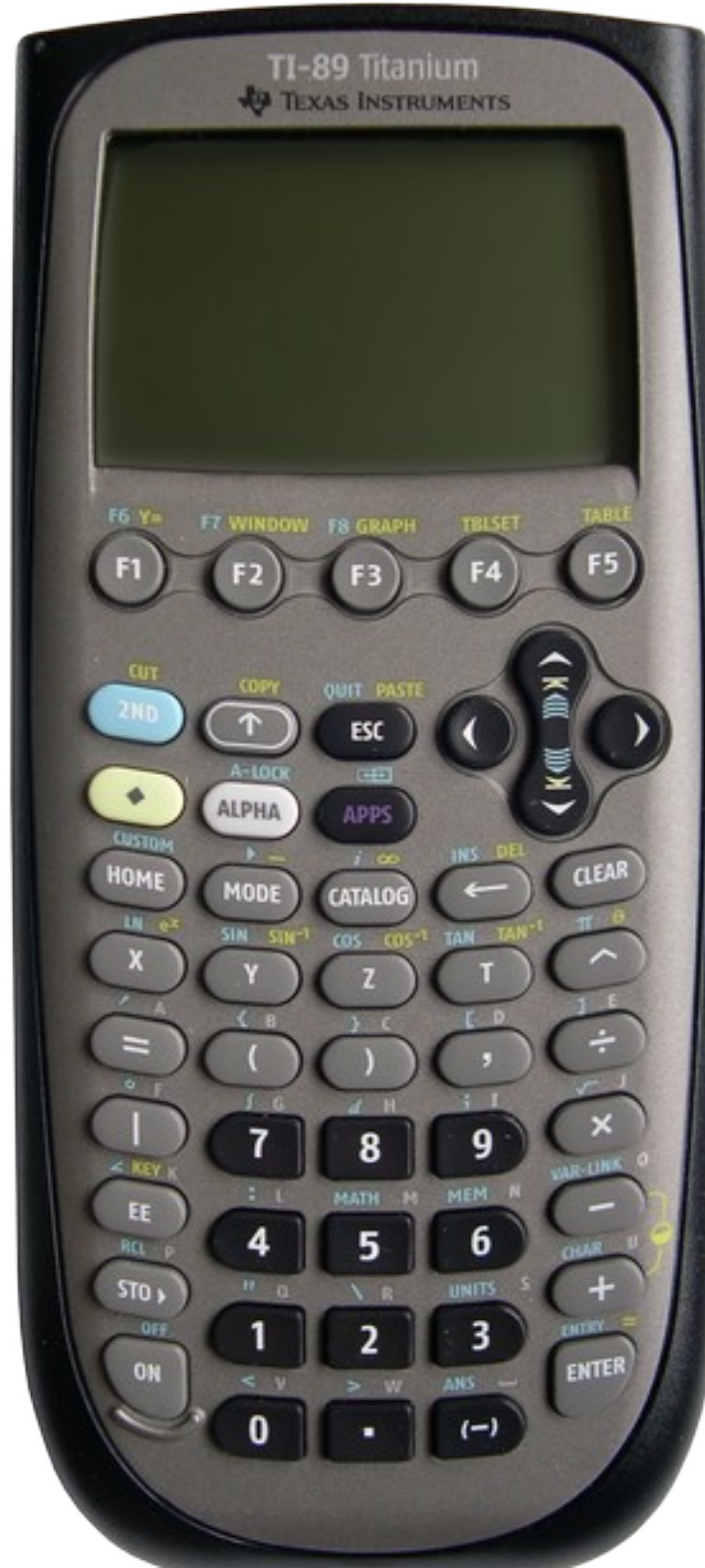
Albert Einstein

$$E = mc^2$$

$$e^{i\pi} + 1 = 0$$

Leonhard
Euler
(Eulero)

Carl Friedrich
Gauß





<http://it.wikipedia.org/wiki/Tachimetro>,<http://commons.wikimedia.org/wiki/File:Termometro.JPG>

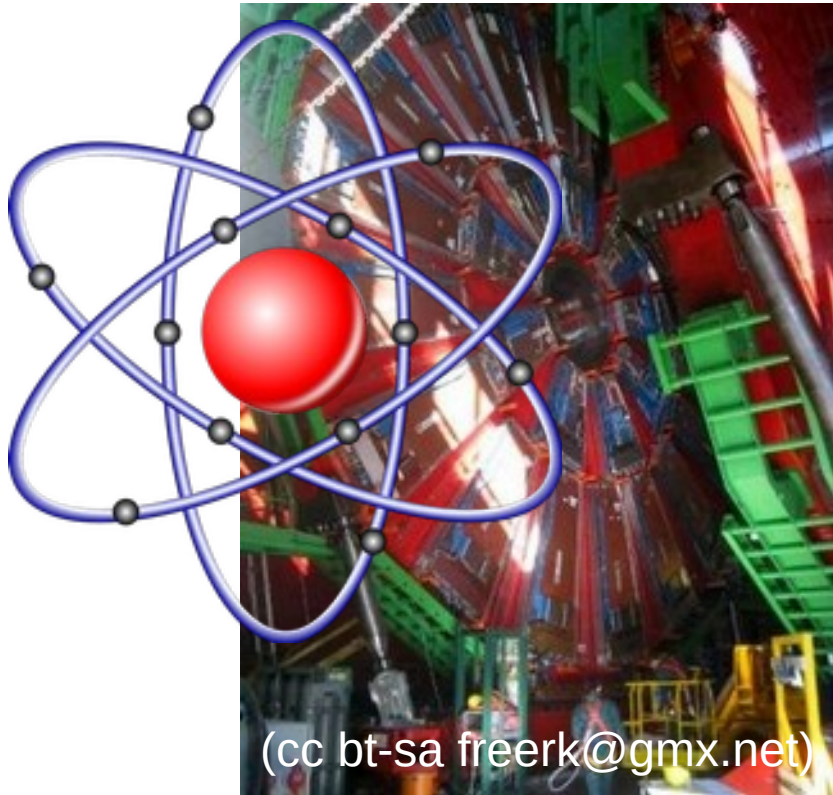
Galileo Galilei



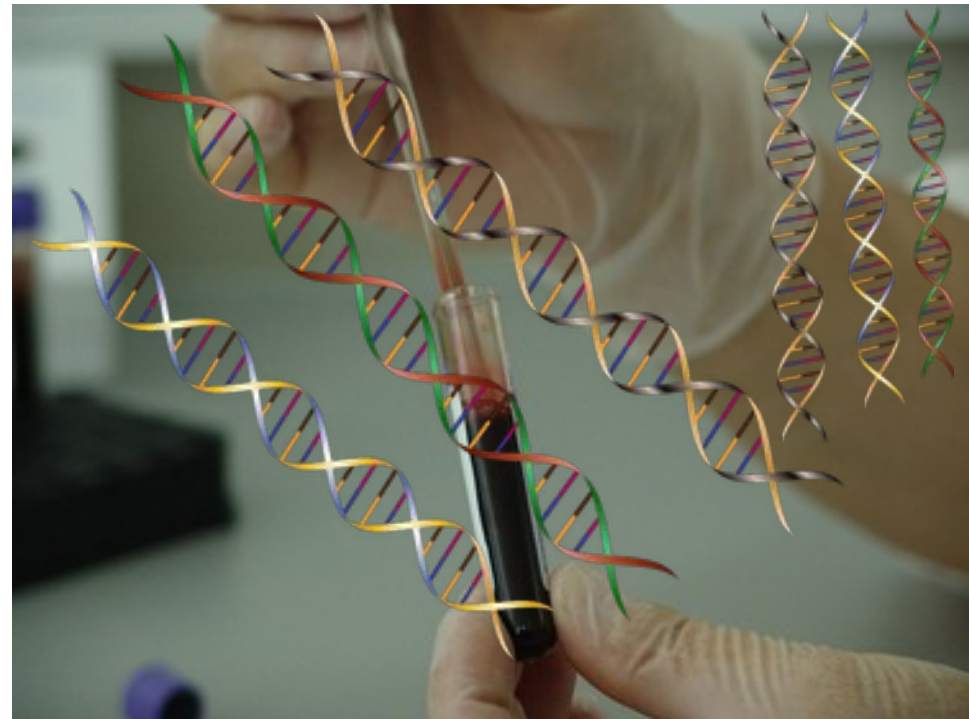
https://commons.wikimedia.org/wiki/File:Telescopio_refractor_Gran_Ecuatorial_Gautier_en_La_Plata.jpg
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(cc bt-sa freerk@gmx.net)



Logicalia



Materialia



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Logicalia

Materialia

Informatica vs. Italiano

- Uso tecnologia
 - Linguaggi
 - Programmazione
 - Algoritmi
 - Cultura
 -
- Lingua parlata
 - Grammatica
 - Lingua scritta
 - Antologia
 - Cultura
 -

Poi occorre avere
qualcosa da dire!



C. COLLODI (C. Lorenzini)

LE AVVENTURE DI PINOCCHIO

Storia di un burattino

illustrata

da

E. Mazzanti

L. 2 50



Lo stesso legato in tela con placca a oro L. 3 50

C'è in questo romanzetto tutto il succo del buon senso italiano innestato al più schietto humor, che non ha più diritto di chiamarsi inglese.











P. Chiodini
FIRENZE



BONCINI



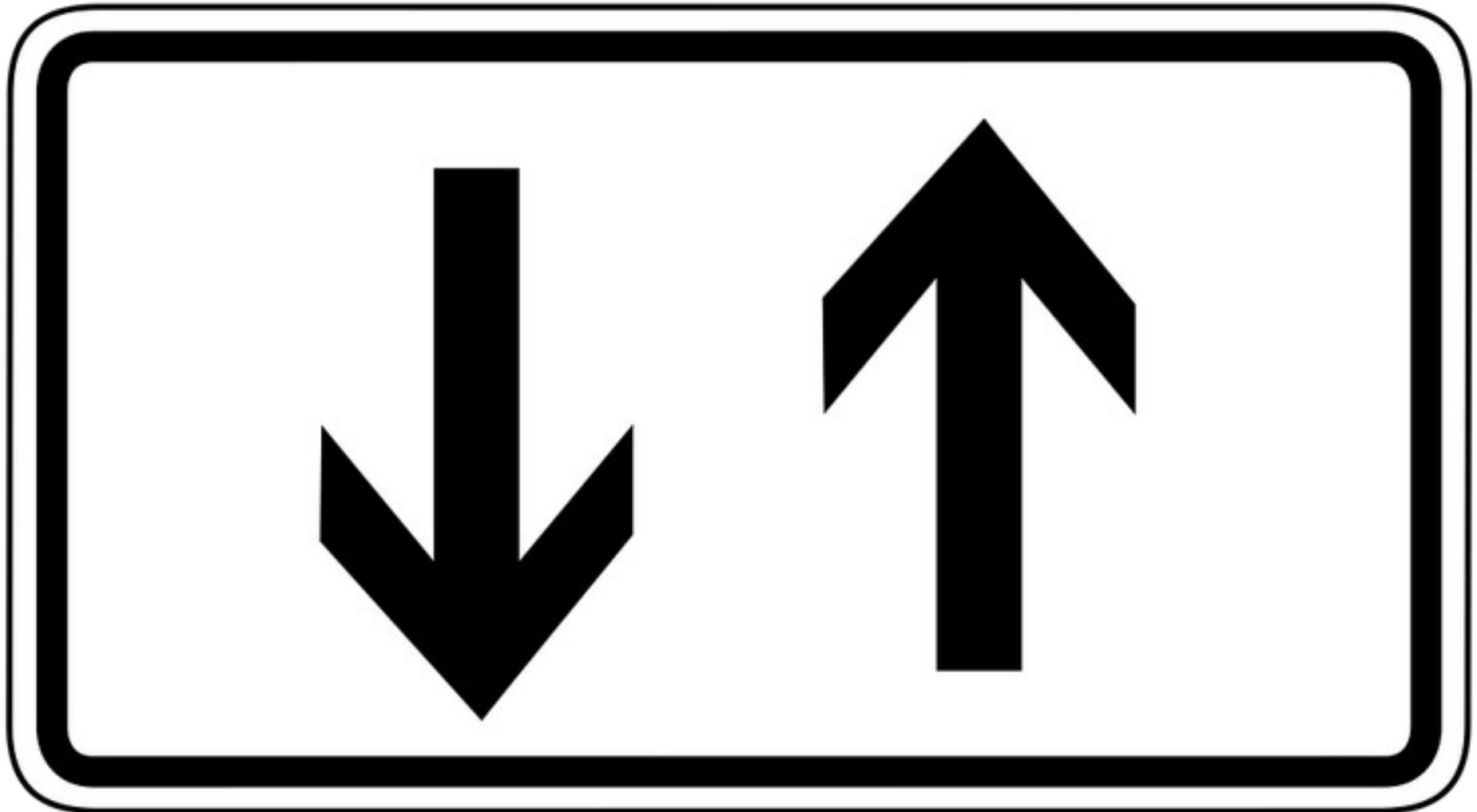


330 ore

Tempi dell'Informatica

- A breve termine:
 - Uso di strumenti
- A medio termine:
 - Es. Linguaggi specifici
- A lungo termine:
 - Algoritmi, modelli, metodi, basi...

Top Down vs. Bottom Up







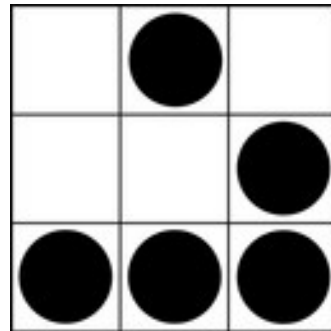
Gli esponenti di i

Può essere un percorso *complesso*, ma non dimentichiamo che:

- i Immaginario
- i^2 Reale ma negativo
- i^3 Immaginario negativo
- i^4 Reale e positivo

We are still creating art and beauty on a
computer:

the art and beauty of revolutionary ideas
translated into (libre) code...



renzo, rd235, iz4dje