

```

(** ANALISI DEGLI ERRORI **)

Clear[a, b, c];
a = 1;
b = 74.23;
c = 1;
sol = Solve[a * x^2 + b * x + c == 0, x]
x1 = N[x /. sol[[1]], 16]
x2 = N[x /. sol[[2]], 16]
{{x -> -74.2165}, {x -> -0.0134741}}

-74.2165

-0.0134741

disc = b^2 - 4. * a * c
Sqrt[b^2 - 4. * a * c]
5506.09

74.2031

disc1 = 0.5506 * 10^4
Sqrt[disc1]
rt1 = 0.7420 * 10^2
5506.

74.2024

74.2

x2trunc = (-b + rt1) / (2 a)
-0.015

Abs[(x2 - x2trunc) / x2]

0.113248

```