Coefficients of the Quadratic Equation

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In this Kata you are expected to find the coefficients of quadratic equation of the given two roots (x1 and x2).

Equation will be the form of $ax^2 + bx + c = 0$

Return type is an Array containing coefficients of the equations in the order (a, b, c).

Since there are infinitely many solutions to this problem, we fix a = 1.

Remember, the roots can be written like (x-x1) * (x-x2) = 0

Example 1

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(x-x1) * (x-x2) = 0
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This means (x-1) * (x-2) = 0; when we do the multiplication this becomes $x^2 - 3x + 2 = 0$

Example 2

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quadratic(0,1) = (1, -1, 0)
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This means (x-0) * (x-1) = 0; when we do the multiplication this becomes $x^2 - x + 0 = 0$

Notes

- · Inputs will be integers.
- When x1 == x2, this means the root has the multiplicity of two