**8 kyu**

**Twice as old**

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C#

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Your function takes two arguments:

1. current father's age (years)
2. current age of his son (years)

Сalculate how many years ago the father was twice as old as his son (or in how many years he will be twice as old).

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

public static int TwiceAsOld(int dadYears, int sonYears)

{

return Math.Abs(dadYears - sonYears \* 2);

}

public static int TwiceAsOld(int dadYears, int sonYears)

{

int ini = dadYears;

// Add you code here.

if (dadYears / 2 < sonYears)

{

while (true)

{

dadYears--;

sonYears--;

if (2 \* sonYears == dadYears)

{

//return dadYears - sonYears;

return ini - dadYears;

}

}

}

else

{

while (true)

{

if (2 \* sonYears == dadYears)

{

// return dadYears - sonYears;

return dadYears - ini;

}

dadYears++;

sonYears++;

}

}

}

static void Main(string[] args)

{

//Assert.AreEqual(16, TwiceAsOldSolution.TwiceAsOld(30, 7));

Console.WriteLine (TwiceAsOld(30, 7));

Console.ReadLine();

}

}

}