Problem. The difference of the squares of two consecutive even natural numbers is 92. Taking x as the smaller of the two numbers from an equation in x and hence find the larger of the two. **Solution.**

The difference between to consecutive even natural numbers is 2. If the smaller of the two numbers equals x, then the larger equals x + 2. From problem statement we have equation

$$(x + 2)2 - x2 = 92,x2 + 4x + 4 - x2 = 92,4x = 88,x = 22.$$

Answer: The lager number equals 24, the smaller number equals 22.