Given the final position and score of a CodeFighter in a tournament, return the number of coins and XP they will get.

Here is how these values can be calculated:

* *coins*: 2000 \* (1 / 2)position, where / is integer division;
* *XP*: 2 \* score if position equals 1 and score otherwise.

**Example**

* For position = 1 and score = 500, the output should be  
  codefightsTournament(position, score) = [2000, 1000].
* For position = 6 and score = 100, the output should be  
  codefightsTournament(position, score) = [62, 100].

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] integer position**

Position the CodeFighter placed in the tournament.

*Constraints:*  
1 ≤ position ≤ 20.

* **[input] integer score**

The final score.

*Constraints:*  
0 ≤ points ≤ 500.

* **[output] array.integer**

Array of length 2, where the first element is the number of coins, and the second element is XP the CodeFighter will get.

<https://codefights.com/challenge/Cggjkhts4TmHLPHQr?utm_source=featuredChallenge&utm_medium=email&utm_campaign=email_notification>

static int[] codefightsTournament(int position, int score)

{

return new int[]

{

(int)( 2000.0 / Math.Pow( 2.0, position-1)),

position == 1 ? 2\*score : score

};

}