

```

`timescale 1ns / 1ps

/*****
*****
*
*  Module: Codebreaker
*
*  Author: Eric Christie
*  Class: ECEN 220, Section 1, Winter 2021
*  Date: 3/30/21
*
*  Description: Instances into a larger RC4
codebreaker module
*
*
*****
*****/

`default_nettype none

module Codebreaker(
    input wire logic clk, reset, start,
    output logic [15:0] key_display,
    output logic stopwatch_run,
draw_plaintext, done_drawing_plaintext,
    output logic [127:0]

```

```
plaintext_to_draw);
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```
    assign key_display = 0;
```

```
    assign stopwatch_run = 1;
```

```
    assign plaintext_to_draw =
```

```
    {"HELLO123"};
```

```
    assign draw_plaintext = start;
```

```
endmodule
```