

## CEN 133 Hw 2

**Problem.** In this problem you are requested to design a traffic light in Dr. Racket. The picture of the traffic light is given below. You may adjust the size of components of traffic light according to your design. Our traffic light should be similar to a real traffic light: at first the red light is on, then the yellow light is on, at last the green light is on. Our traffic light should work endlessly until the programmer presses the Stop button of Dr. Racket. So be careful that your program should work in an endless loop! The detailed procedure of the traffic light is given below. Please obey the program design recipe. To design this program, please study the related lab. work carefully.

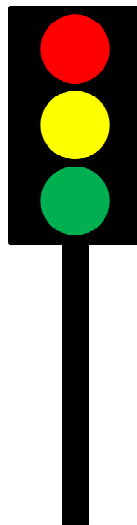
### ***Traffic Light Procedures***

Step 1. The red light should be on, the yellow and green lights should be off for 2 seconds.

Step 2. The yellow light should be on, the red and green light should be off for 2 seconds.

Step 3. The green light should be on, the red and yellow light should be off for 2 seconds.

Step 4. Return to Step 1.



Deadline: 15. December. 2010, 23:59

Submission: Please submit your homework to the grader by e-mail until the deadline.

(Grader: Zuleyha Akusta, e-mail: zuleyha.akusta@izmir.edu.tr).

Homework Policies:

1. Cheating is strongly discouraged.
2. Late homeworks will be graded as 0.
3. File naming for the homework:  
Send your file as: CEN133Hw2\_“YourStudentNo”.rkt  
*example:* CEN133Hw2\_80201022.rkt

4. When sending your homework the subject part of your e-mail should be CEN133Hw2\_YourStudentNo.

Note: Please obey these grading policies, unless your grade will be decreased.

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