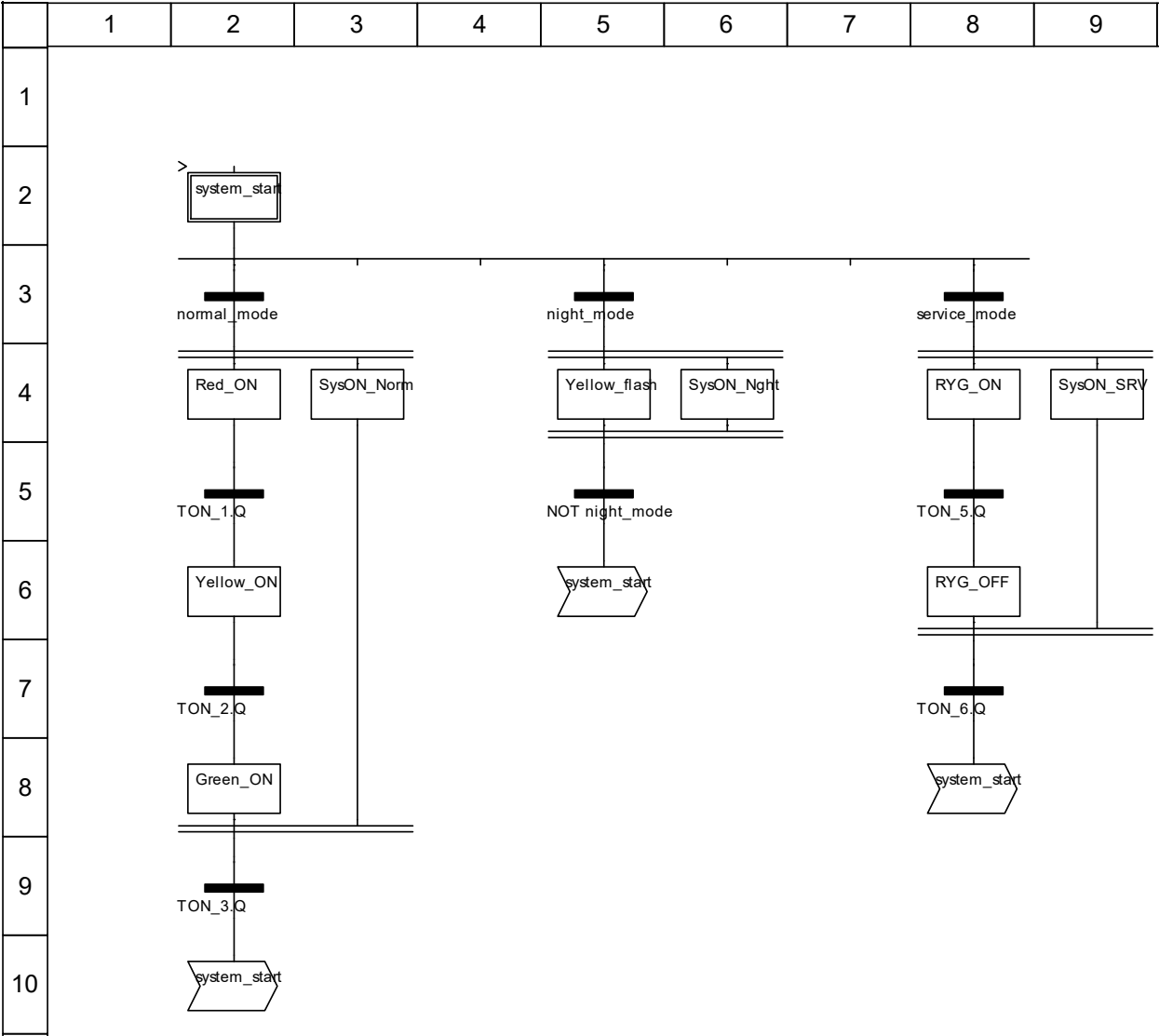
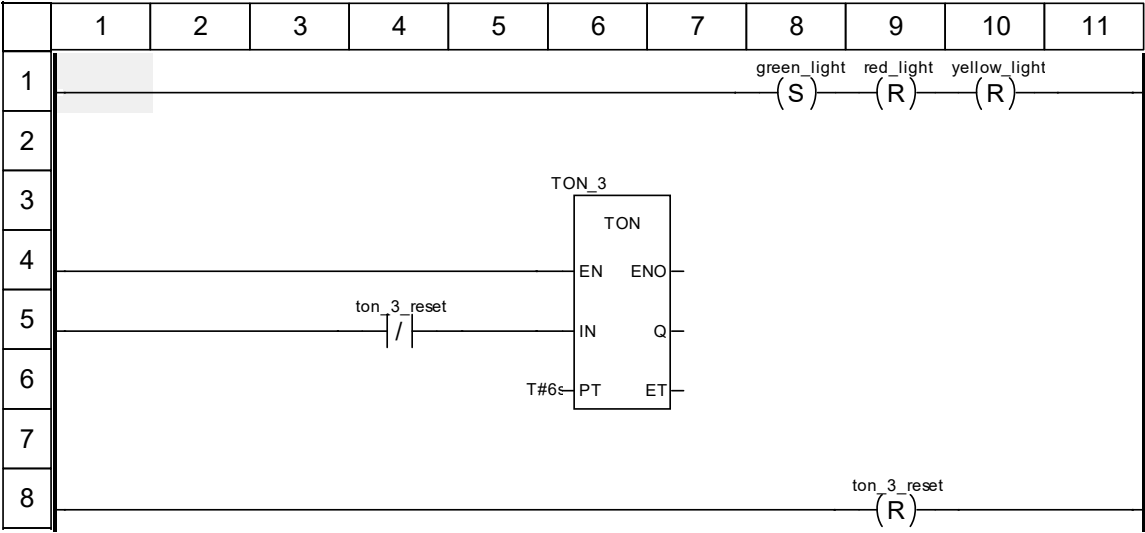


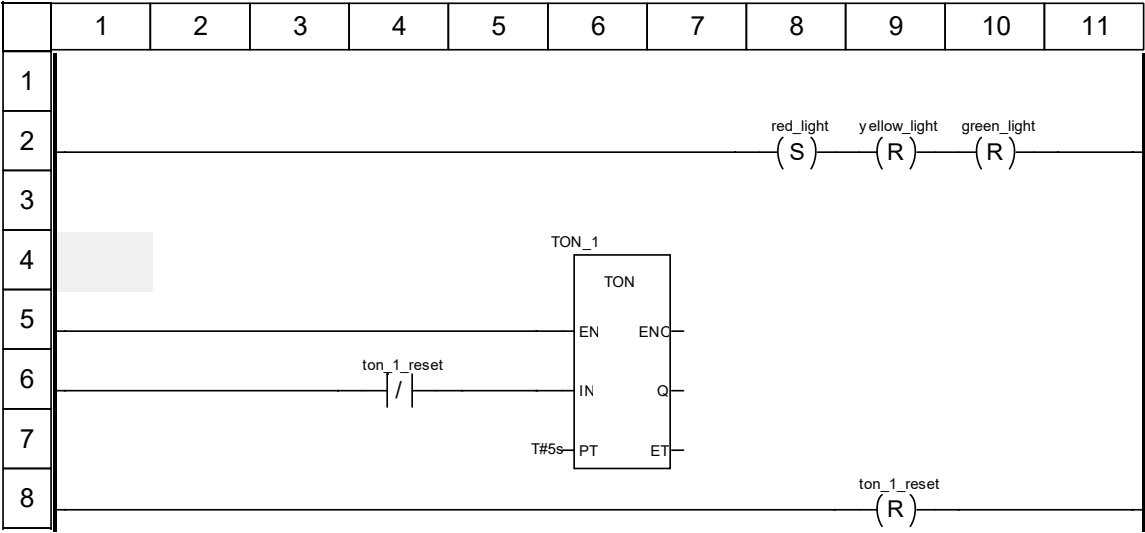
main_program



Green_ON_s3



Red_ON_s1



RYG_OFF_st

```

1|          10|          20|          30|          40|          50|          60|          70|          80|          90|          100|          110|
1  red_light := 0;
2  yellow_light := 0;
3  green_light := 0;
4  TON_6_IN := NOT(ton_6_reset) (*BOOL*),
5          PT := T#3s (*TIME*);
6
7  ton_6_reset := 0;
8
9

```

RYG_ON_st

```

1|      10|      20|      30|      40|      50|      60|      70|      80|      90|     100|     110|
1  red_light := 1;
2  yellow_light := 1;
3  green_light := 1;
4  TON_5 (IN := NOT(ton_5_reset) (*BOOL*),
5        PT := T#3s (*TIME*));
6
7
8  ton_5_reset := 0;

```

system_led_ON

	1	2	3	4	5	6	7	8	9	10	11
1											

traffic_lights_on
()

system_start_lad

	1	2	3	4	5	6	7	8	9	10	11
1						red_light	yellow_light	green_light	traffic_lights_on		
						(R)	(R)	(R)	(R)		
2						ton_1_reset	ton_2_reset	ton_3_reset	ton_5_reset	ton_6_reset	
						(S)	(S)	(S)	(S)	(S)	

yellow_flash_s4

```
1|          10|          20|          30|          40|          50|          60|          70|          80|          90|          100|          110|
1 yellow_light := %S6;
2 red_light   := 0;
3 green_light  := 0;
```


Yellow_ON_s2

