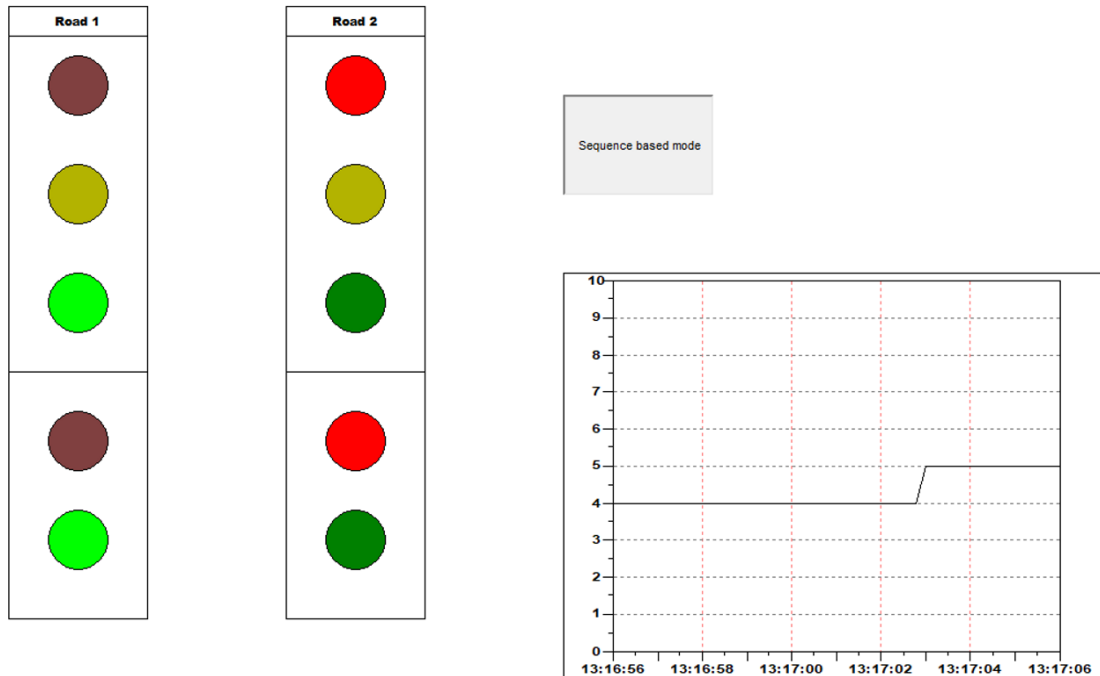# Exercise 12

Task

When the sequence based mode "button" is pressed, the program runs in sequence based mode and when its off the program runs in sensor based mode.

The sampling trace is samling every 1000[ms].

trace 12 - Notepad

File Edit Format View Help

```
432000 0
433000 0
434000 0
435000 0
436000 0
437000 0
438000 1
439000 1
440000 1
441000 1
442000 1
443000 1
444000 1
445000 1
446000 1
447000 1
448000 2
449000 2
450000 2
451000 2
452000 2
453000 2
454000 2
455000 2
456000 2
457000 2
458000 2
459000 2
460000 2
461000 2
462000 2
463000 2
464000 2
465000 2
466000 2
467000 2
468000 2
469000 2
470000 2
471000 2
472000 2
473000 2
474000 2
475000 2
476000 2
477000 0
478000 0
479000 0
```

The alarm goes high if one of the sensors or buttons is active for more than 60s.

```
0005
0006 Alarmsensor(in:=(sensorEast OR sensorWest OR PedButtonNE OR PedButtonNW OR PedButtonSE OR PedButtonSW), PT:=T#60S);
0007
0008
```

	Date	Time	Expression	Value	Message	Priority
0	30-04-2024	01:53:28	PRG.Alarmsen	1	Sensor high for too long	0