Model		
Criterion		**Pts**
1	The model can be correctly simulated - no deadlocks are identified; the model should not terminate.	1
2	Car and pedestrian traffic are generated in independent processes or in independent parts of processes, e.g., in separate infinite loops.	
3	Communication of processes is organized correctly using shared variables or channels. Unnecessary checks are avoided, for example, it is not necessary to check the emptiness of a channel to receive a message from it and it is not necessary to check the fullness of a channel to send a message to it.	2
4	Shared resources (usually, intersection points) are correctly identified and used. In each direction, traffic is processed according to the resources it requires for passing through lane. The standard schema of using the shared resources is clearly implemented: (1) wait for a resource to be free, (2) acquire resources, (3) work with these resources, (4) release resources. Constructs **atomic** and **d_step** are NOT used.	2
	Total	**5**

LTL properties		
Criterion		**Pts**
1	Safety properties are correctly formulated - no two traffic lights can show green in intersecting directions. Safety properties are correctly verified - adequate number of states and transitions is checked (non-zero, it can be seen in the verification reports), no errors found. Verification results are provided in the report.	1
2	Liveness and fairness properties are correctly formulated. **Liveness**: always when there is request in the concrete direction and this traffic light is red, then eventually the traffic light will be green. In some cases, liveness can be expressed as: always if the traffic light red, then eventually it turns green. **Fairness**: no traffic light is green infinitely often, i.e., traffic light controller does not serve cars only in a single direction. Understanding of the fairness notion is demonstrated as well ass of the mechanisms providing fairness in the model. Verification results are provided in the report.	2
	Total	**3**

Report		
Criterion		**Pts**
1	Architecture of a solution is described (processes, channels, communications among processes)	1
2	Verification reports generated by Spin are included and analyzed	1
	Total	**2**
	GRAND TOTAL	**10**