**SCULENI CROSSING POINT**

**1.** **Analysing the subnetworks**

* The number of today subnetworks: **4**
* The number of future subnetworks: **8**
* The biggest today subnetwork has **17 hosts**
* The biggest future subnetwork will have **30 hosts**

**2. Subnetworks**

2.1. Basement: **3 computers and 1 projector**

2.2. Ground floor: **7 computers**

2.3. 1st floor: **7 computers**

2.4. Video cameras: **17 cameras**

**3. Network Address**

**Class C**: 192.74.185.0 /24

**Subnetwork mask**: 255.255.255.0

|  |  |  |  |
| --- | --- | --- | --- |
| **Subnetwork** | **Ip address of subnetwork** | **Domain of hosts** | **Brodcast Adress** |
| 1 | 192.74.185.**0** | 192.74.185.**1** - 192.74.185.**30** | 192.74.185.**31** |
| 2 | 192.74.185.**32** | 192.74.185.**33** - 192.74.185.**62** | 192.74.185.**63** |
| 3 | 192.74.185.**64** | 192.74.185.**65** - 192.74.185.**94** | 192.74.185.**95** |
| 4 | 192.74.185.**96** | 192.74.185.**97** - 192.74.185.**126** | 192.74.185.**127** |
| 5 | 192.74.185.**128** | 192.74.185.**129** - 192.74.185.**158** | 192.74.185.**159** |
| 6 | 192.74.185.**160** | 192.74.185.**161** - 192.74.185.**190** | 192.74.185.**191** |
| 7 | 198.74.185.**192** | 192.74.185.**193** - 192.74.185.**222** | 192.74.185.**223** |
| 8 | 198.74.185.**224** | 192.74.185.**225** - 192.74.185.**254** | 192.74.185.**255** |