

```
Semaphore f1=1, f2=0,v1=1,v2=1 ;
```

```
Changement(){
```

```
    Int feu=1;
```

```
    While(true){
```

```
        Sleep(duree_du feu);
```

```
        If(feu==1){
```

```
            P(f1);
```

```
            V(f2);
```

```
        }else{
```

```
            P(f2);
```

```
            V(f1);
```

```
        }
```

```
    }
```

```
}
```

```
Traversee1(){
```

```
    P(v1);
```

```
    P(f1);
```

```
    Circuler();
```

```
    V(f1);
```

```
    V(v1):
```

```
}
```

```
Traversee2(){
```

```
    P(v2);
```

```
    P(f2);
```

```
    Circuler();
```

```
    V(f2);
```

```
    V(v2):
```

}