

Before analyzing

```
// courses = GE 1E, PFL 1E, CMEP 5A, MML 5A1, CGIP 7C, CGIPL 7C2, NNFL 7C,  
NNFLL 7C2, CS 7C, CSL 7C2, NCS 7C, TC 7C, TWP 7C
```

```
// Total(courses) = 13
```

```
// Overlapped(courses) = cgip, mml, cs, cmep, ncs, nnfl, ge, pfl, twp
```

```
// Total(Overlapped_Courses) = 9
```

```
// Actual(Courses) = 13 - 9 = 4 : '(
```

After analyzing

From 1st model,

```
// courses = GE 1D, MML 5A2, CGIP 7C, CGIPL 7C2, NNFL 7C, NNFLL 7C2,  
CS 7C, CSL 7C2, NCS 7C, TC 7C, TWP 7C
```

```
// missing(courses) = PFL, CMEP
```

```
// Total(courses) = 11
```

From 2nd model,

```
// courses = GE 1E, PFL 1E, CMEP 5A, MML 5A1, CGIP 7A, CGIPL 7C2,  
NNFLL 7C2, CSL 7C2, NCS 7C, TC 7C, TWP 7C
```

```
// missing(courses) = NNFL, CS
```

```
// Total(courses) = 11
```