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4. Chapter Four: Passage to the Other World

Congratulations, you became AER in the second year of Epitech Lille! your first job optimizing rooms and the activities of the different student classes.

Here are the timetables for the 3 promotions :
tek1 (the first years ...)
tek2 (the secondyears …)
tek3 (we'll let you guess ...)

for this Monday morning, the promotions cannot be in the same time in the same room, and the goal is:

• Minimize the number of room changes
• Move students to the rooms closest to their previous ones

>>> How will you position the rooms on the activities to minimize room changes students ? Explain to us how you proceeded?

Monday Tek1:
9h00: KickOff Pool C (100 students) (duration 1h)
10h: individual point with the pedago (1 student every 10 minutes) (duration 2h)
11am: Graphic Bootstrap (40 students) (duration 1h)

Monday Tek2:
9h00: Kickoff Zia (50 students) (duration 2h)
11h: individual point with the pedago (1 student every 10 minutes) (duration 2h)
11:30 am: Kickoff Arcade (35 students) (duration 1 hour)

Monday Tek3:
9h00: Kickoff Cyrptography Project (40 students) (duration 1h)
10h: individual point with the pedago (1 student every 10 minutes) (duration 2h)
11 a.m .: Update on the year with the pedago (100 students) (duration 1 hour

Solution: we need to reschedule the class time for the students then it can be apply for the full week not only for Monday as follows:

Time Batch	**9h–10 h**	**10h-11h**	**11h -12**	**12h - 13h**	**11h -12h**	**12h -13h**	**13 h 15 h**
Tek1	Graphic Bootstrap (40 students	KickOff Pool C (100 students	individual point with the pedago (1 student every 10 minutes) (duration 2h)				

	) (duration 1h) **room 1**	) **room 1**	**room 2**				
Tek2					Kickoff Arcade (35 students) (duration 1 hour) **Room -2**	Kickoff Zia (50 students) (duration 2h) **room 2**	individual point with the pedago (1 student every 10 minutes) (duration 2h) **Room 2** Free room for PC pool, when they don't have presentation they can wait here this pc pool can be for 100 students capacity **Room 3**
Tek3			Kickoff Cyrptography Project (40 students) **Room-1**	Update on the year with the pedago (100 students) (duration 1 hour. **Room 1**	individual point with the pedago (1 student every 10 minutes) (duration 2h) **room 1** Free room for PC pool, when they don't have presentation they can wait here this pc pool can be for 100 students capacity **room 3**		

This problem can be also done by programming C+ +.
That will be shown in next upload.