Planning the rooms and the nurses for patients. (Haspital management) mandahry date date

Optional earliest date List of patients: Optional out of the Surgery of these patients

time horizon: 1 .------ 28 (up to 4 weeks schedule horizon)

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			Capacity:	max	# 4	parens	host
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			yon	count L differ	host unt g	2 peop ender.	10
			H	and co	nstrair	rs	

Soft constraints: participate to the objective to each room workload Allocate one nurse Shill level of the nurses n1: 1+1+2:4 3 Ny: 2+3;5 Ns: 1+1+2:4 n.: 3 Ny: 1 (penalty of 2 Pt Pg

for room

notin Pt

Phys

P Here penalty of (1+2+1)=4 for being above the workload hurses have days in which they work

Additional soft constraints: # of different nurses Continuity of care: a patient sees contributes to the obj. each patient has an age Age mix: group. If there is a mix of ages in a room: penalty the later after the earliest date, the more the penalty. Un scheduled gatint Adminion delay:

Groups of 2: - Mixed-binary (or integer) formulation (not a problem if it does not finish on large instances) ( present next week) (it should run for at most < Heuristic rely partly on the Mip formul. that can 10 minutes) or not to propose the fest possible solution.

1/3 of the final mank wnitenin julia +2 points at the end 1 st group in the contest: 2nd group the point (unless there are too few groups) May 5: Submit the code May 7: oral presentation of the codes

Amit the members of your group by March 19