تکلیف شماره هشت - موعد تحویل: شنبه ۱۷/ آبان /۹۲ - نحوه ارایه جواب: تحویل به دستیار آموزشی در ابتدای کلاس حل تمرین

۱- تخصیص

The activities of a project and related information of them is given in following table. Two renewable resources (R1, R2) and a nonrenewable one (R3) are needed for these activities. The available level of R1 and R2 are 8 and 4 respectively. The inventory level of resource R3 is zero at the beginning of planning horizon and it is increased by 50 units every period.

Schedule these activities to reach a practical scheduling which satisfy all resource constrained.

Act. Name	Act. Time	predecessor	R1 Req.	R2 Req.	R3 Req.
A	2	-	0	2	50
B	2	-	4	1	50
C	3	-	4	3	100
D	4	A	2	2	50
E	3	B	3	1	150
F	3	B	0	2	100
G	7	C	5	0	50
H	2	D	3	2	100
I	4	E	0	2	200
J	5	F,G	6	0	50
K	3	H,I	0	3	100

۲- تسطیح

Using the Burgess Method to find the best schedule for the project whose activities are listed in the following table. Note that there is no any resource constraint and the two resources R1 and R2 are equivalent.

Activity	Resources		D	ES	LS
	R1	R2			
1-2	2	2	6	0	0
2-5	1	4	24	6	6
2-6	3	-	12	6	18
2-3	2	1	3	6	24
1-5	3	2	3	0	27
5-6	-	-	-	30	30
3-6	2	1	3	9	27
3-4	1	2	3	9	27
4-6	-	-	-	12	30

دنیا، سکوهای افتخار و بهترین صفحات تاریخ را برای کسانی نگه می دارد که از همه بیشتر توانایی تحمل سختی‌ها و مشکلات را داشته باشند.

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