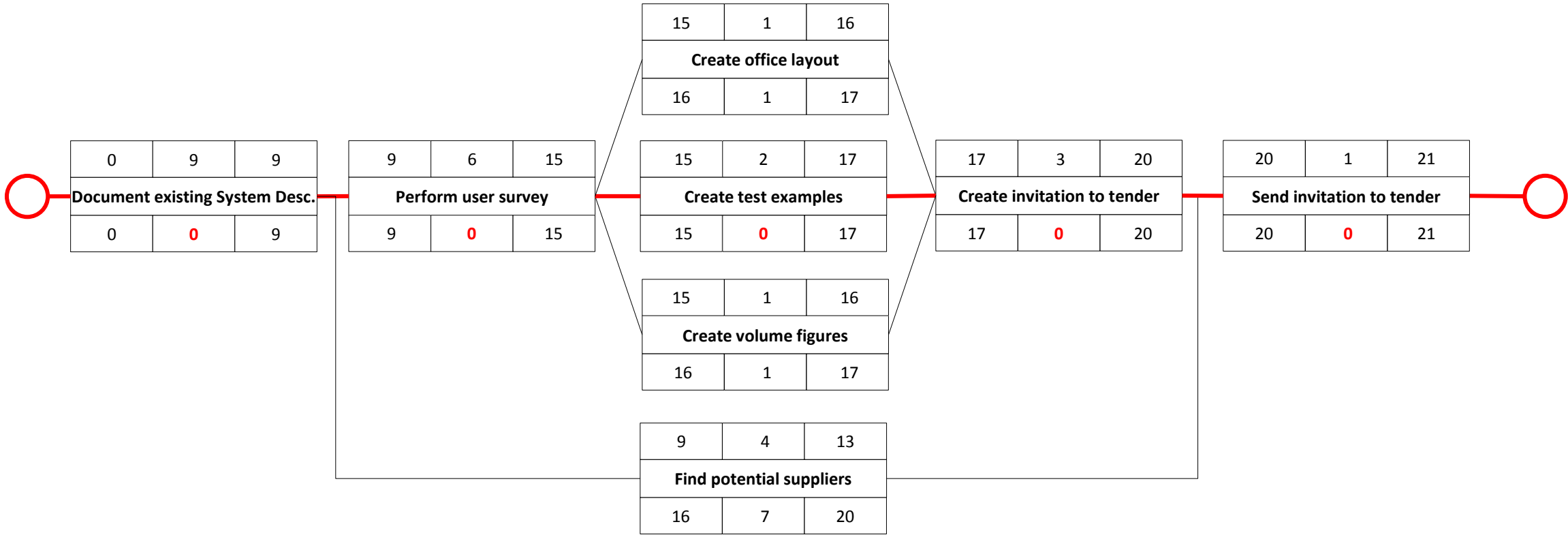


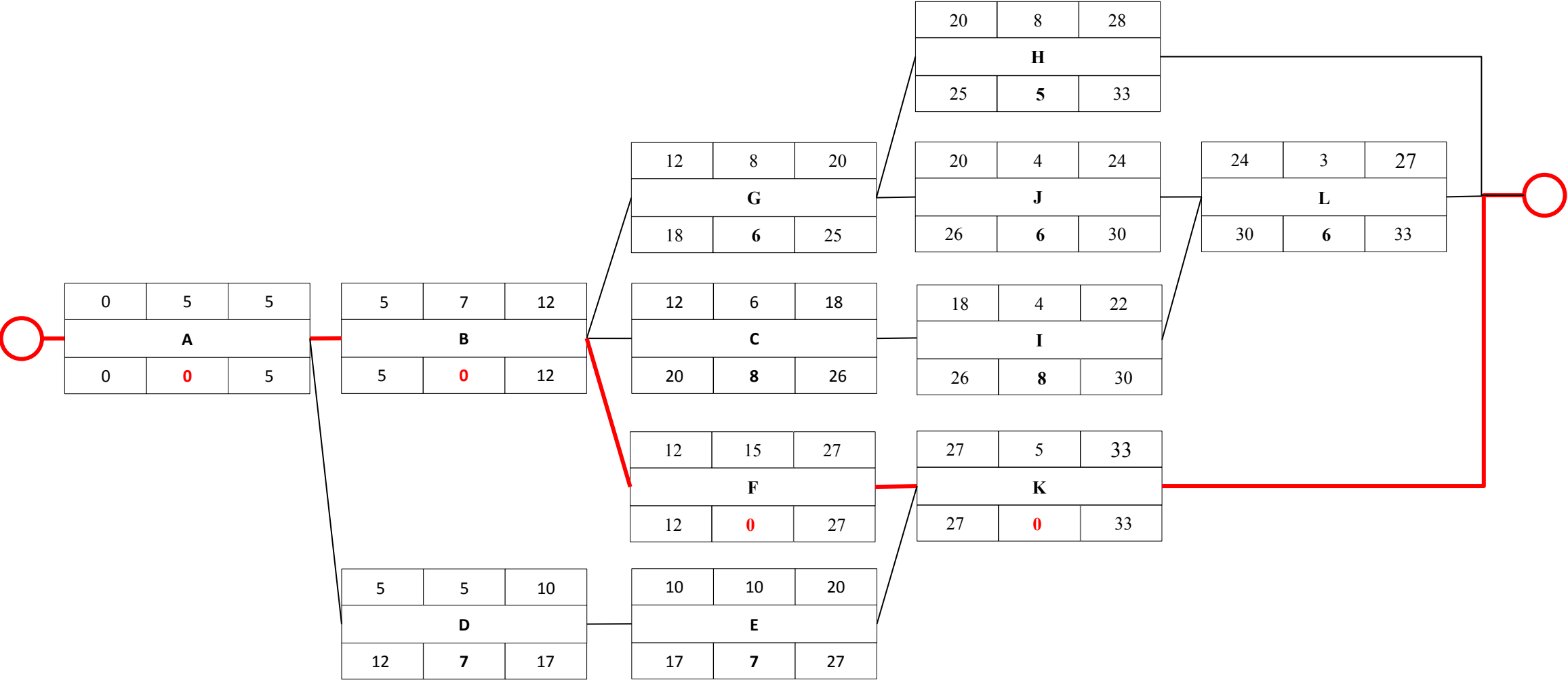
Task 1



The **critical path** is marked in bold red – document existing system description -> perform user survey -> create test examples -> create invitation to tender -> send invitation to tender. Within this path all possible delays (floats) are **0**.

The earliest possible finish date is after **21 days**.

Task 2



The **critical path** is marked in bold red – A -> B -> F -> K. The earliest possible finish date is after **33 days**.

Task 3: Selection of Requirements Management/Engineering tool(s)

- Organize and perform surveys
- Organize and lead group meetings
- Review product or requirement specifications
- Create work / expert groups within project
- Resource selection (e.g. create job specifications)
- Time planning and resource scheduling
- Create budget plan, calculate a product's impacts
- Analyze and evaluate risks and feasibility
- ...

Task 4

Effort modifier (em)	Estimates	Multiplier
FCIL	Low	1.10
RCPX	Very Low	0.60
RUSE	Nominal	1.00
PDIF	Very High	1.81
SCED	Very Low	1.43
PERS	Extra Low	2.12
PREX	Low	1.12

$effort = estimated\ effort \cdot \prod_{i=1}^n em_i = 110pm \cdot 1.10 \cdot 0.60 \cdot 1.00 \cdot 1.81 \cdot 1.43 \cdot 2.12 \cdot 1.12 \approx 446.18pm$

The chosen modifiers enlarge the overall project to **446.18 person-months**.

Task 5