There are three audits that must be performed and three auditors available at the current time. Each has his/her own area of expertise and, consequently, the times involved vary from one job to the next. The anticipated time required for each auditor on each job is given in the table below. Use the Hungarian method to determine which auditor should be assigned to which job. You wish to minimize the total time required. What is the minimum total time? Briefly describe how you get it.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Job | | |
|  |  | 1 | 2 | 3 |
| Auditor | A | 10 | 16 | 32 |
|  | B | 14 | 22 | 40 |
|  | C | 22 | 24 | 34 |