**Original networks**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All activities** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **Total** |
| Duration | 13 | 6 | 6 | 6 | 10 | 20 | 5 | \*\*\* |
| Original critical path | 13 | 6 | 6 |  |  | 20 | 5 | 50 |
| Alternative path 1 | 13 |  |  |  | 10 | 20 | 5 | 48 |
| Alternative path 2 | 13 | 6 | 6 | 6 |  |  | 5 | 36 |

**After crashing G 2 weeks**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All activities** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **Total** |
| Duration | 13 | 6 | 6 | 6 | 10 | 20 | 3 | \*\*\* |
| Original critical path | 13 | 6 | 6 |  |  | 20 | 3 | 48 |
| Alternative path 1 | 13 |  |  |  | 10 | 20 | 3 | 46 |
| Alternative path 2 | 13 | 6 | 6 | 6 |  |  | 3 | 34 |

**After crashing B 2 weeks**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All activities** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **Total** |
| Duration | 13 | 4 | 6 | 6 | 10 | 20 | 3 | \*\*\* |
| Original critical path | 13 | 4 | 6 |  |  | 20 | 3 | 46 |
| Alternative path 1 – add’l critical path | 13 |  |  |  | 10 | 20 | 3 | 46 |
| Alternative path 2 | 13 | 4 | 6 | 6 |  |  | 3 | 32 |

**After crashing F 7 weeks**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All activities** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **Total** |
| Duration | 13 | 4 | 6 | 6 | 10 | 13 | 3 | \*\*\* |
| Original critical path | 13 | 4 | 6 |  |  | 13 | 3 | 39 |
| Alternative path 1 - add’l critical path | 13 |  |  |  | 10 | 13 | 3 | 39 |
| Alternative path 2 | 13 | 4 | 6 | 6 |  |  | 3 | 32 |

**After crashing C 1 week**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All activities** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **Total** |
| Duration | 13 | 4 | 5 | 6 | 10 | 13 | 3 | \*\*\* |
| Original critical path | 13 | 4 | 5 |  |  | 13 | 3 | 38 |
| Alternative path 1 – New critical path | 13 |  |  |  | 10 | 13 | 3 | 39 |
| Alternative path 2 | 13 | 4 | 5 | 6 |  |  | 3 | 31 |

**After crashing A 3 weeks**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **All activities** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **Total** |
| Duration | 10 | 4 | 5 | 6 | 10 | 13 | 3 | \*\*\* |
| Original critical path | 10 | 4 | 5 |  |  | 13 | 3 | 35 |
| Alternative path 1 – New critical path | 10 |  |  |  | 10 | 13 | 3 | 36 |
| Alternative path 2 | 10 | 4 | 5 | 6 |  |  | 3 | 28 |