71117432奉捷

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(1)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 活动 | a1 | a2 | a3 | a4 | a5 | a6 | a7 | a8 | a9 | a10 | a11 | a12 | a13 | a14 |
| e(i) | 0 | 0 | 5 | 6 | 6 | 12 | 12 | 12 | 15 | 15 | 16 | 16 | 19 | 21 |
| l(i) | 4 | 0 | 9 | 6 | 12 | 15 | 12 | 12 | 15 | 15 | 19 | 16 | 19 | 21 |

(2)最早23完成

(3)e(i)=l(i)即为关键活动，可以看到有a2、a4、a7、a8、a9、a10、a12、a13、a14

(4)关键路径有：

a2、a4、a8、a10、a13、a14 = 23;

a2、a4、a7、a12、a14 = 23;

因为2、4、14出现在所有的关键路径中，故加快这三个活动的执行可以加快整个工程的执行