先计算里程碑的最早开始时间与最晚开始时间：

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 里程碑 | A | B | C | D | E | F | G | H | I |
| ve | 0 | 1 | 7 | 10 | 2 | 4 | 16 | 15 | 19 |
| vl | 0 | 17 | 20 | 10 | 9 | 8 | 22 | 15 | 28 |
| 里程碑 | J | K | L | M | N | O | P | Q |  |
| ve | 25 | 30 | 24 | 18 | 28 | 38 | 47 | 32 |  |
| vl | 31 | 36 | 24 | 21 | 28 | 38 | 47 | 45 |  |

活动的最早开始时间、最晚开始时间与时差：

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 活动 | AB | AC | AD | AE | AF | BG | CG | DG | DH |
| 权 | 1 | 7 | 10 | 2 | 4 | 5 | 2 | 4 | 5 |
| ve | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 10 | 10 |
| vl | 16 | 13 | 0 | 7 | 4 | 17 | 20 | 18 | 10 |
| 时差 | 16 | 13 | 0 | 7 | 4 | 16 | 13 | 8 | 0 |
| 活动 | EH | FH | GI | GJ | HG | HL | HM | IO | JK |
| 权 | 6 | 7 | 3 | 9 | 1 | 9 | 3 | 10 | 5 |
| ve | 2 | 4 | 16 | 16 | 15 | 15 | 15 | 19 | 25 |
| vl | 9 | 8 | 25 | 22 | 21 | 15 | 18 | 28 | 31 |
| 时差 | 7 | 4 | 9 | 6 | 6 | 0 | 3 | 9 | 6 |
| 活动 | KO | LN | MN | NO | NQ | OP | QP |  |  |
| 权 | 2 | 4 | 7 | 10 | 4 | 9 | 2 |  |  |
| ve | 30 | 24 | 18 | 28 | 28 | 38 | 32 |  |  |
| vl | 36 | 24 | 21 | 28 | 41 | 38 | 45 |  |  |
| 时差 | 6 | 0 | 3 | 0 | 13 | 0 | 13 |  |  |

关键路径为ADHLNOP：10+5+9+4+10+9=47