实验5活动图习题

各里程碑的最早开始时间ve与最晚开始时间vl：

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 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 |
|  | 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 |  |

各活动的最早开始时间ve、最晚开始时间vl与时差：

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | AB | AC | **AD** | AE | AF | BG | CG | DG | **DH** |
| 耗时 | 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** |
|  | EH | FH | GI | GJ | HG | **HL** | HM | IO | JK |
| 耗时 | 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 |
|  | KO | **LN** | MN | **NO** | NQ | **OP** | QP |  |  |
| 耗时 | 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，总长度为10+5+9+4+10+9=47。