**Data Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Problem** | **Solver** | **VAH** | **#Node** | **#BT** | **Time (ms)** |
| d-10-01 | BT | VAH1 | 128 | 70 | 17 |
| BT | VAH2 | \* | \* | \* |
| **BT** | **VAH3** | **58** | **0** | **12** |
| BT | VAH4 | 332 | 274 | 23 |
| BT | VAH5 | 5546625 | 5546567 | 4787 |
| **FC** | **VAH1** | **67** | **9** | **7** |
| FC | VAH2 | 657944 | 657886 | 3669 |
| FC | VAH3 | 255 | 197 | 11 |
| FC | VAH4 | 301 | 243 | 17 |
| FC | VAH5 | 10448 | 10390 | 91 |
| d-10-06 | BT | VAH1 | 67 | 9 | 14 |
| BT | VAH2 | \* | \* | \* |
| **BT** | **VAH3** | **58** | **0** | **6** |
| BT | VAH4 | 58 | 0 | 29 |
| BT | VAH5 | 125712002 | 125711944 | 108198 |
| FC | VAH1 | 60 | 2 | 12 |
| FC | VAH2 | 355513 | 355455 | 2158 |
| **FC** | **VAH3** | **58** | **0** | **8** |
| FC | VAH4 | 58 | 0 | 10 |
| FC | VAH5 | 376395 | 376337 | 669 |
| d-10-07 | **BT** | **VAH1** | **95** | **37** | **5** |
| BT | VAH2 | \* | \* | \* |
| BT | VAH3 | 80 | 22 | 6 |
| BT | VAH4 | 58 | 0 | 8 |
| BT | VAH5 | 3562257 | 3562199 | 3518 |
| **FC** | **VAH1** | **91** | **33** | **5** |
| FC | VAH2 | 269387 | 269329 | 1685 |
| **FC** | **VAH3** | **58** | **0** | **4** |
| FC | VAH4 | 61 | 3 | 12 |
| FC | VAH5 | 24095 | 24037 | 130 |
| d-10-08 | BT | VAH1 | 58 | 0 | 48 |
| BT | VAH2 | \* | \* | \* |
| BT | VAH3 | 701 | 643 | 32 |
| **BT** | **VAH4** | **188** | **130** | **23** |
| BT | VAH5 | 3871379 | 3871321 | 4423 |
| **FC** | **VAH1** | **58** | **0** | **6** |
| FC | VAH2 | 882225 | 882167 | 6157 |
| FC | VAH3 | 205 | 147 | 17 |
| FC | VAH4 | 90 | 32 | 17 |
| FC | VAH5 | 6453 | 6395 | 85 |
| d-10-09 | **BT** | **VAH1** | **61** | **3** | **8** |
| BT | VAH2 | \* | \* | \* |
| BT | VAH3 | 58 | 0 | 13 |
| BT | VAH4 | 63 | 5 | 12 |
| BT | VAH5 | \* | \* | \* |
| **FC** | **VAH1** | **60** | **2** | **9** |
| FC | VAH2 | \* | \* | \* |
| FC | VAH3 | 58 | 0 | 12 |
| FC | VAH4 | 130 | 72 | 26 |
| FC | VAH5 | 132376 | 132318 | 549 |
| d-15-01 | **BT** | **VAH1** | **299884** | **299777** | **1542** |
| BT | VAH2 | \* | \* | \* |
| BT | VAH3 | 378538 | 378431 | 2705 |
| BT | VAH4 | 549177 | 549070 | 11152 |
| BT | VAH5 | \* | \* | \* |
| **FC** | **VAH1** | **77945** | **77838** | **588** |
| FC | VAH2 | \* | \* | \* |
| FC | VAH3 | 245066 | 244959 | 2096 |
| FC | VAH4 | 732620 | 732513 | 16892 |
| FC | VAH5 | \* | \* | \* |