a)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **θi** | **di** | **ai** | **αi** |
| **1** | -60 + q1 | 0 | 0 | -90 |
| **2** | 0 | l1 + l2 + q2 | 0 | 0 |

b)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **θi** | **di** | **ai** | **αi** |
| **1** | q1 + 20 | 0 | l1 | 0 |
| **2** | q2 + 40 | 0 | l2 | 0 |

c)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **θi** | **di** | **ai** | **αi** |
| **1** | q1 | l1 | 0 | 90 |
| **2** | 45 + q2 | 0 | l2 | 0 |