1 D

|  |  |  |
| --- | --- | --- |
|  | R | Q |
| 1 | 1 | 10 |
| 2 | 10000 | 0.00001 |
| 3 | 10 | 1 |
| 4 | 10^10 | 10^-10 |

2 D

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trial 1 | | | | |
|  | Sigma1^2 | Sigma12 | Sigma12 | Sigma2^2 |
| R | 1 | 0.1 | 0.1 | 1 |
| Q | 10 | 0.1 | 0.1 | 10 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trial 2 | | | | |
|  | Sigma1^2 | Sigma12 | Sigma12 | Sigma2^2 |
| R | 1000 | 0.1 | 0.1 | 1000 |
| Q | 0.0001 | 0.001 | 0.001 | 0.0001 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trial 3 | | | | |
|  | Sigma1^2 | Sigma12 | Sigma12 | Sigma2^2 |
| R | 10^10 | 0.1 | 0.1 | 10^10 |
| Q | 10^-10 | 0.01 | 0.01 | 10^-10 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trial 4 | | | | |
|  | Sigma1^2 | Sigma12 | Sigma12 | Sigma2^2 |
| R | 10 | 0.1 | 0.1 | 10 |
| Q | 1 | 0.1 | 0.1 | 1 |